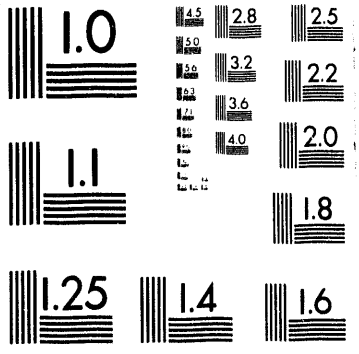
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ETDE/PUB--2(Rev.1)

(DE94002590)

INTERNATIONAL ENERGY

Subject Thesaurus

1993

I E ENERGY TECHNOLOGY DATA

INTERNATIONAL ENERGY AGENCY
2, rue André-Pascal, 75775 Paris Cedex 16, France

The International Energy Agency (IEA) was established in 1974 within the framework of the Organisation for Economic Co-operation and Development (OECD) to implement an international energy programme. A basic aim of the IEA is to foster cooperation among the 23 Participating Countries to increase energy security through energy conservation, development of alternative energy sources, and energy research, development and demonstration (RD&D). This is achieved in part through a programme of collaborative RD&D consisting of 35 Implementing Agreements, which contain over 65 separate energy RD&D projects. The Energy Technology Data Exchange (ETDE) forms one element of this programme.

AVAILABILITY

ETDE Members:	ETDE Operating Agent P.O. Box 1000 Oak Ridge, TN 37831 USA Telefax 615-576-2865
	Fachinformationszentrum Karlsruhe Gesellschaft für wissenschaftlich-technische Information mbH Postfach 24 65 76012 Karlsruhe Germany Telefax 0 72 47 808-666
U.S. DOE and Contractors:	Office of Scientific and Technical Information P.O. Box 62 Oak Ridge, TN 37831
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	Bibliographic Service Tel. 0 72 47 808-333
Public Availability: (Order as DE94002590)	U.S. Department of Commerce Technology Administration National Technical Information Service Springfield, Virginia 22161 Tel. 703-487-4650 Telefax 703-321-8547
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INTERNATIONAL ENERGY: Subject Thesaurus

ABOUT ETDE . . .

THE ENERGY TECHNOLOGY DATA EXCHANGE (ETDE) is a consortium of member countries around the globe that share their energy-related scientific and technical information through the ETDE Energy Database. The Exchange was established in 1987 under the auspices of the International Energy Agency (IEA) and serves all ETDE member countries and IEA Working Parties involved in energy research tasks.

The following countries are currently members of the Exchange: Canada, Denmark, Finland, France, Germany, Italy, Japan, The Netherlands, Norway, the Republic of Korea, Spain, Sweden, Switzerland, the United Kingdom, and the United States.

The Energy Database is intended to cover subjects of greatest interest to the IEA and ETDE's international audience of database users. The information in the database not only permits scientists, engineers, and policy planners to keep abreast of current energy research and development (R&D) activities, it also assists in avoiding wasteful duplication of effort.

The Energy Database covers such important topics as environmental aspects of energy production, consumption and use; energy efficiency and conservation; energy policy; renewable energy sources; end-use technology; fusion, fossil, and nuclear energy; and advanced energy systems. Coverage also includes the basic sciences that support energy R&D, such as aspects of chemistry, engineering, environmental sciences (with emphasis on global climate change), physics, biomedical sciences, materials, computer science, mathematics, and instrumentation related to energy technology.

The U.S. Department of Energy's (DOE's) Office of Scientific and Technical Information (OSTI) has served as ETDE's Operating Agent since ETDE began in 1987. For information about the Exchange or how to contact member country representatives, please contact the ETDE Operating Agent Representative, P.O. Box 1000, Oak Ridge, Tennessee 37831, U.S.A.; phone: (615) 576-1272.

ABOUT THIS PUBLICATION . . .

The *International Energy Agency: Subject Thesaurus* (ETDE/PUB--2(Rev.1)) contains the standard vocabulary of indexing terms (descriptors) developed and structured to build and maintain energy information databases. Involved in this cooperative task are (1) the technical staff of the U.S. DOE Office of Scientific and Technical Information (OSTI) in cooperation with the member countries of the International Energy Agency's Energy Technology Data Exchange (ETDE) and (2) the International Atomic Energy Agency's International Nuclear Information System (INIS) staff representing the more than 100 countries and organizations that record and index information for the international nuclear information community.

ETDE member countries are also members of INIS. Nuclear information prepared for INIS by ETDE member countries is included in the ETDE Energy Database, which contains the online equivalent of the printed *INIS Atomindex*. Indexing terminology is therefore cooperatively standardized for use in both information systems. This structured vocabulary reflects the scope of international energy research, development, and technological programs.

The terminology of this thesaurus aids in subject searching on commercial systems, such as "Energy Science & Technology" by DIALOG Information Services, "Energy" by STN International and the "ETDE Energy Database" by SilverPlatter. It is also the thesaurus for the Integrated Technical Information System (ITIS) online databases of the U.S. Department of Energy.

Descriptors are added to the thesaurus as needed (i.e., when a document contains a concept for which there is no adequate term or terms in the thesaurus). More than 27,000 entries appear in this document, which replaces the U.S. DOE publication *Energy Data Base: Subject Thesaurus* (DOE/TIC-7000-R7).

Comments, questions, or suggestions relating to the structure or terminology used in this thesaurus are welcome. Please address inquiries to the Thesaurus Specialist, Office of Scientific and Technical Information, U.S. Department of Energy, P.O. Box 62, Oak Ridge, Tennessee 37831, U.S.A.

Editor: Mona H. Raridon
Associate Editor: Kelly Dwyer Dunlap

STRUCTURE OF THE INTERNATIONAL ENERGY: SUBJECT THESAURUS

The purpose of a thesaurus is to enhance the efficiency of information retrieval by controlling the indexing vocabulary; therefore, valid vocabulary terms (descriptors) are provided. For many concepts there may be several words or phrases that convey the same meaning. In the thesaurus one word or phrase is chosen as the accepted subject descriptor for these synonyms. Thus, retrieval is facilitated for the searcher by using one descriptor rather than all synonymous terms for the concept.

There are 21,715 valid descriptors and 6,263 forbidden terms in this edition of the thesaurus. To differentiate clearly between valid descriptors and forbidden terms at a glance, valid descriptors are entered in all uppercase bold letters. Forbidden terms are in upper/lowercase italics. Those terms with a preferential relationship (that is, preferred to the forbidden term) are identified by USE or SEE; the reciprocals UF and SF, for Used For and Seen For, are indicated under the valid descriptor.

The descriptors in the *Subject Thesaurus* are listed alphabetically. With each alphabetic entry, a "word block" containing all the descriptors associated with that particular entry is displayed. In the word block, descriptors which have a hierarchical relationship to the entry are identified by the letters BT for Broader Term and NT for Narrower Term; those with an affinitive relationship are identified by RT, Related Term. These relationships are fully reciprocal.

The narrower terms in the word block are emphasized by printing the letters "NT" in boldface type. An asterisk appearing next to an "NT" term within a word block indicates that more specific narrower terms are listed in that word block. They are listed, however, in the word block of the descriptor accompanied by the asterisk.

Those descriptors common to the ETDE and INIS thesauri have the code [01] following the descriptor.

Those descriptors added in this edition are indicated by an arrow preceding the term. Exceptions to this are alloys and steels added from the INIS thesaurus. The arrow is missing from these because they were already present in the online thesaurus. These alloys and steels will also be missing from the list of terms added in the front of this thesaurus.

When searching for entries in the alphabetic listing, users should take note of the sort order, as follows:

Space or hyphen or asterisk
Arabic numerals
Roman alphabet

Initial numbers are invisible to the sorting process.

Descriptors added since December 1974 have the entry date.

Descriptors can also have a *Scope Note* and/or *Definition*.

The *Scope Note* often indicates the way in which a descriptor may be used or restricts its use. For example:

INTERNATIONAL RELATIONS
(Use only when the terms INTERNATIONAL AGREEMENTS or INTERNATIONAL CO-OPERATION cannot be used.)

Descriptor → **DISTRICT HEATING [01]** ← Indicates valid INIS descriptor

DA January 1975 ← Date entered into thesaurus

Broader Term → BT1 Heating

Narrower Term → **NT1** Geothermal District Heating

Related Term →
RT Central Heating Plants
RT Co-Generation
RT DEUS
RT Dual-Purpose Power Plants
RT Geothermal Heating Systems
RT Heat Distribution Systems
RT Hot Water
RT Thermal Transmission ICES

DISTRICT HEATING [01]
(For energy distribution use ENERGY SPECTRA.) ← Scope Note

USED FOR indicating multiple USE references →
UF+ ***Inclusive Distribution***
NT1 Angular Distribution
NT1 Spatial Distribution
NT1 Tissue Distribution
RT Allocations
RT Asymmetry
RT Boltzmann Statistics
RT Gauss Function
RT Gaussian Processes
RT Isotropy
RT Particle Kinematics
RT Symmetry

Forbidden Term with multiple USE references →
Inclusive Distribution (Note italics)
USE Distribution
AND Inclusive Interactions

HELIOS FACILITY [01]
DA July 1979
RT Carbon Dioxide Lasers
RT Laser Fusion Reactors

Definition → DEF A 10 kJ, 8-beam, CO_2 laser facility at Los Alamos for laser fusion experiments

ACTINIDE COMPOUNDS [01]

See NT1 descriptor for narrower terms →
***NT1** Actinium Compounds
***NT1** Americium Compounds
***NT1** Berkelium Compounds
***NT1** Californium Compounds
***NT1** Curium Compounds
***NT1** Einsteinium Compounds
***NT1** Fermium Compounds
***NT1** Lawrencium Compounds
***NT1** Mendelevium Compounds
***NT1** Neptunium Compounds
***NT1** Nobelium Compounds
***NT1** Plutonium Compounds
***NT1** Protactinium Compounds
***NT1** Thorium Compounds
***NT1** Uranium Compounds

Deleted Descriptors

ABSOLUTE ZERO TEMPERATURE
USE Temperature Zero K

ACCOUNTABILITY
SEE Liabilities
OR Nuclear Materials Management
OR Personnel Management

AFFIRMATIVE ACTION
USE US Affirmative Action Program

ACTINIUM ADDITIONS
USE Alloys

ADL PROCESS
USE Coal Liquefaction

AFLATOXIN
USE Aflatoxins

ALASKA RIVER
USE Alaska and Rivers

ALDOLASE
USE Aldolases

AMERICIUM PHOSPHIDES
USE Americium Compounds
AND Phosphides

APPALACHIA
USE Appalachian Mountains

APPRAISAL
USE Cost Estimation

ASTATINE ADDITIONS
USE Alloys

AVG PROCESS
USE Coal Gasification

BERKELIUM ADDITIONS
USE Alloys

BISMUTH URANATES
USE Bismuth Compounds
AND Uranates

BOLTZMANN EVENT
USE Atmospheric Explosions
AND Plumbbob Project

BUBIAG-DIDIER PROCESS
USE Coal Gasification

BUREAU OF RECLAMATION
USE Coal Gasification

CALIFORNIUM ADDITIONS
USE Alloys

CARBON DIOXIDE ACCEPTOR PROCESS
USE Coal Gasification and SNG Processes

CDF
USE Fermilab Collider Detector

CEPFR-1 REACTOR
USE Zero Power Reactors

CHALK RIVER CYCLOTRON
USE CRNL Superconducting Cyclotron

CHARGE STATE
USE Battery Charge State

CHEMICAL HEAT PIPES
USE Heat Pipes

CHEVRON COAL LIQUEFACTION PROCESS
USE Coal Liquefaction

CONOCO GASIFICATION PROCESS
USE Coal Gasification

CORPS OF ENGINEERS
USE US Corps of Engineers

CS-SR PROCESS
SEE Coal Gasification or Coal Liquefaction

DEPLETION ALLOWANCES
USE US Depletion Allowances

DESONOX PROCESS
USE Combined SOxNOx Processes

EAST COAST
USE US East Coast

ECONOMIC GROWTH
USE Economic Development

ECONOMIC RECOVERY TAX ACT
USE US Economic Recovery Tax Act

EINSTEINIUM ADDITIONS
USE Alloys

EINSTEINIUM ALLOYS
USE Alloys

EMERGENCY PREPAREDNESS ACT
USE US Emergency Preparedness Act

ENERGY EXTENSION SERVICE
USE US Energy Extension Service

ENERGY INFORMATION ADMINISTRATION
USE US Energy Information Administration

ENERGY POLICY AND CONSERVATION ACT
USE US Energy Policy and Conservation Act

ENERGY SECURITY ACT
USE US Energy Security Act

ENERGY TAX ACT
USE US Energy Tax Act

ENERGY TRANSPORT
SEE Natural Gas Distribution Systems
OR Pipelines
OR Power Distribution
OR Power Transmission

ENGINEERING PERSONNEL
USE Engineers

F MESONS
USE D S Mesons

FCEL REACTOR
SEE Fast Reactors
OR Zero Power Reactors

FEDERAL ASSISTANCE PROGRAMS
USE US Federal Assistance Programs

FEDERAL BUILDINGS
USE Government Buildings

FEDERAL POWER COMMISSION
USE US Federal Power Commission

FEDERAL REGION I
USE USA

FEDERAL REGION II
USE USA

FEDERAL REGION III
USE USA

FEDERAL REGION IV
USE USA

FEDERAL REGION V
USE USA

FEDERAL REGION VI
USE USA

FEDERAL REGION VII
USE USA

FEDERAL REGION VIII
USE USA

FEDERAL REGION IX
USE USA

FEDERAL REGION X
USE USA

FRIAMBIENT PROCESS
USE Coal Liquefaction

FUEL ECONOMY
USE Fuel Consumption

FULHAM-SIMON-CARVES PROCESS
USE Desulfurization

GERMAN DEMOCRATIC REPUBLIC
USE Federal Republic of Germany

GERMAN DR ORGANIZATIONS
USE German FR Organizations

GERMANY
USE Federal Republic of Germany

GLOBIN
USE Globins

GRAPHS
SEE Diagrams

GRASS
USE Gramineae

GREAT PLAINS
USE USA

GROM DEVICES
USE Pinch Devices

GULF COAST
USE US Gulf Coast

HARMONICA DEVICES
SEE Harmonica-2 Device

HELAC
USE Linear Accelerators

HIGH TEMPERATURE
USE Temperature Range 0400-1000 K

HIPURE PROCESS
USE Desulfurization

HITREX-2 REACTOR
USE Zero Power Reactors

HOFFMAN PROCESS
USE Coal Gasification

HOT-WATER SYSTEMS
USE Geothermal Hot-Water Systems

HUSHED ECHO EVENT
USE Bedrock Project

HYFLEX PROCESS
USE Coal Gasification

ICES
USE ICES Program

INTRUSION
SEE Biointrusion
OR Human Intrusion
OR Plutonic Rocks
OR Water Influx

JECCO PROCESS
USE Desulfurization
AND Lime-Limestone Wet Scrubbing Processes

KININOGENIN
USE Kallikrein

L-1 STELLARATOR
SEE L-2 Stellarator

LCRE REACTOR
USE Experimental Reactors
AND Lithium Cooled Reactors

LEAD MINERALS
USE Minerals

LEAR
USE CERN LEAR

LINOTRONS
USE Cyclic Accelerators

LOW TEMPERATURE
USE Temperature Range 0065-0273 K

MCDOWELL-WELLMAN PROCESS
USE Coal Gasification

MEDIUM TEMPERATURE
USE Temperature Range 0273-0400 K

MFX DEVICE
USE Magnetic Mirrors

MICHIGAN STATE TRIGA-MK-1 REACTOR
USE TRIGA-1-Michigan Reactor

MINERAL OIL(S)
SEE Lubricants
OR Petroleum

MISSISSIPPIAN PERIOD
USE Carboniferous Period

MTSE DEVICES
USE Magnetic Mirrors

MUNICH CYCLOTRON
USE Munich Compact Cyclotron

NAPAP
USE US NAPAP

NATIONAL ENERGY CONSERVATION POLICY ACT
USE US National Energy Conservation Policy Act

NATIONAL ENERGY PLAN
USE US National Energy Plan

NATIONAL ENVIRONMENTAL POLICY ACT
USE US National Environmental Policy Act

NATIONAL PROGRAM PLANS
USE US National Program Plans

NATURAL GAS POLICY ACT
USE US Natural Gas Policy Act

NAVAL OIL SHALE RESERVES
USE US Naval Oil Shale Reserves

NAVAL PETROLEUM RESERVE
USE US Naval Petroleum Reserves

NECKAR REACTOR
SEE Neckar-1 Reactor
OR Neckar-2 Reactor

NEMATA
USE Nematodes

NEPOTISM
SEE Personnel Management

NIOSH
USE US NIOSH

NIPER
USE US NIPER

OCCUPATIONAL SAFETY AND HEALTH ACT
USE US Occupational Safety and Health Act

ORGANOIDS
USE Golgi Complexes

ORGANOPHOSPHINIC ACIDS
USE Phosphinic Acids

PACKED BED
USE Packed Beds

PALLADIUM NITRATES
USE Nitrates
AND Palladium Compounds

PANINDCO PROCESS
USE Coal Gasification

PENNSYLVANIAN PERIOD
USE Carboniferous Period

PEOPLES DEMOCRATIC REPUBLIC OF YEMEN
USE Yemen

POWER PLANT AND INDUSTRIAL FUEL USE ACT
USE US Power Plant and Industrial Fuel Use Act

POWER RANGE MILLI W
USE Milliwatt Power Range

PRESSURE EFFECTS
USE Pressure Dependence

PRESSURIZING
USE Pressurization

PUBLIC UTILITY REGULATORY POLICIES ACT
USE US Public Utility Regulatory Policies Act

PULSATOR STELLARATOR
USE Stellarators

PUNCHED CARDS
USE Memory Device

PYROTEK PROCESS
USE Low BTU Gas
AND Waste Processing

QINSHAN-1 REACTOR
SEE Chinshan-1 Reactor
OR Quinshan Reactor

RADIUM ADDITIONS
USE Alloys

RADIUM SILICATES
USE Radium Compounds
AND Silicates

RAHYD PROCESS
USE Reprocessing

710 REACTOR
SEE Enriched Uranium Reactors
OR Fast Reactors
OR Gas Cooled Reactors
OR Mobile Reactors
OR Propulsion Reactors

RECOVERY
SEE Biological Recovery
OR Energy Recovery
OR Enhanced Recovery
OR Materials Recovery
OR Primary Recovery
OR Seed Recovery
OR Tritium Recovery

REXCO PROCESS
SEE Coal

RHODIUM NITRIDES
USE Nitrides
AND Rhodium Compounds

RM PROCESS
USE SGN Processes

ROMBACH PROCESS
USE Coal Gasification

SAAS
USE Bundesamt Fuer Strahlenschutz

SCHMALFELDT-WINTERSHALL PROCESS
USE Coal Gasification

SELOX PROCESS
USE Coal Gasification

SHUTDOWNS
USE Shutdown

SITE SURVEYS
USE Site Characterization

SLC DETECTORS
USE Stanford Linear Collider Detector

SODIUM PHOSPHIDES
USE Phosphides
AND Sodium Compounds

SOUTH WEST AFRICA
USE Namibia

SPUR REACTOR
USE Space Power Reactors

SR-0F REACTOR
USE Zero Power Reactor

SUBSURFACE ENVIRONMENTS
SEE Underground

SUPERFUND
USE US Superfund

TABLES
SEE Data

TECHNETIUM TELLURIDES
USE Technetium Compounds
AND Tellurides

TECHNICAL WRITING
SEE Document Types
OR Information

TEMPERATURE EFFECTS
USE Temperature Dependence

THYSSEN-GALOCSY PROCESS
USE Coal Gasification

TITANIUM ARSENIDES
USE Arsenides
AND Titanium Compounds

TOWERS
SEE Cooling Towers
OR Mechanical Structures
OR Power Transmission Towers

UHDE-PFIRRMANN PROCESS
USE Coal Liquefaction

ULTRAHIGH TEMPERATURE
USE Temperature Range Over 4000 K

ULTRALOW TEMPERATURE
USE Temperature Range 0000-0013 K

UNICRACKING/HDS PROCESS
USE Desulfurization

US ANTITRUST LAWS
USE Antitrust Laws

US CLEAN AIR ACT
USE Clean Air Acts

US CLEAN WATER ACT
USE Clean Water Acts

US DOE PROGRAM MANAGEMENT
USE Program Management

US NATIONAL ENERGY ACT
USE National Energy Acts

US RESOURCE RECOVERY ACTS
USE Resource Recovery Acts

VALUES
SEE Cost
OR Data
OR Economics
OR Socio-Economic Factors

VERY HIGH TEMPERATURE
USE Temperature Range 1000-4000 K

VERY LOW TEMPERATURE
USE Temperature Range 0013-0065 K

WEST COAST
USE US West Coast

YEMEN ARAB REPUBLIC
USE Yemen

ZHURAVLEV PROCESS
USE Coal Gasification

List of Terms

(Added Since April 1, 1990)

ACCIDENT INSURANCE [01]
Accountability (Legal)
Accountability (Nuclear Materials)
Accountability (Personnel)
ADITYA TOKAMAK [01]
ADVANCED LIGHT SOURCE [01]
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Agricultural Cooperatives
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Aircraft Surveys
ALLIUM SATIVUM [01]
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APS Storage Ring
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Compact Helical System Torsatron
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NEPTUNIUM 226 [01]
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TJ-1 TOKAMAK [01]
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US ENERGY TAX ACT [01]
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US NAPAP [01]
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US NATIONAL ENERGY CONSERVATION POLICY ACT
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US NATIONAL PROGRAM PLANS [01]
US NATURAL GAS POLICY ACT [01]
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US POWER PLANT AND INDUSTRIAL FUEL USE ACT
US PUBLIC UTILITY REGULATORY POLICIES ACT [01]
US Resource Recovery Acts
US SUPERFUND [01]
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Subject Thesaurus

A-1 Reactor (Bohunice)
DA December 1, 1974
USE Bohunice A-1 Reactor

A-1 Reactor (Calder Hall)
DA December 1, 1974
USE Calder Hall A-1 Reactor

A-2 Reactor (Bohunice)
DA December 1, 1974
USE Bohunice A-2 Reactor

A-2 Reactor (Calder Hall)
DA December 1, 1974
USE Calder Hall A-2 Reactor

A0-980 MESONS [01]
(Prior to January 1988 this concept was indexed by Delta-966 Resonances.)
DA January 25, 1988
UF *Delta-966 Resonances*
BT1 Scalar Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

A1-1070 Resonances
(Prior to January 1988 this was a valid descriptor.)
DA December 1, 1974
USE A1-1270 Mesons

A1-1270 MESONS [01]
(Prior to January 1988 this concept was indexed by A1-1070 RESONANCES.)
DA January 29, 1988
UF *A1-1070 Resonances*
BT1 Axial Vector Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

A-15 Compounds
DA May 2, 1979
USE Beta-W Lattices

A2-1310 Resonances
(Prior to January 1988 this was a valid descriptor.)
DA December 1, 1974
USE A2-1320 Mesons

A2-1320 MESONS [01]
(Prior to January 1988 this concept was indexed by A2-1310 RESONANCES.)
DA January 29, 1988
UF *A2-1310 Resonances*
BT1 Tensor Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

A2H-1320 Resonances
(Prior to March 1988 this was a valid descriptor.)
DA December 1, 1974
USE Mesons

A2L-1280 Resonances
(Prior to March 1988 this was a valid descriptor.)
DA December 1, 1974
USE Mesons

A3-2050 MESONS [01]
DA February 1, 1988
BT1 Tensor Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

A3 Resonances
DA December 1, 1974
USE Pi2-1680 Mesons

A4-1960 Resonances
(Prior to February 1988 this was a valid descriptor.)
DA March 26, 1975
USE A4-2040 Mesons

A4-2040 MESONS [01]
(Prior to February 1988 this concept was indexed by A4-1960 RESONANCES.)
DA February 1, 1988
UF *A4-1960 Resonances*
BT1 Tensor Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

A6-2450 MESONS [01]
DA February 1, 1988
BT1 Tensor Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

A 285 Steel
DA December 20, 1978
USE Steel-ASTM-A285

A-BOMB SURVIVORS [01]
DA December 1, 1974
BT1 Human Populations
BT2 Populations
RT Delayed Radiation Effects
RT Epidemiology
RT Hiroshima
RT Little Boy
RT Nagasaki

A CENTERS [01]
DA February 6, 1975
BT1 Color Centers
BT2 Vacancies
BT3 Point Defects
BT4 Crystal Defects
BT5 Crystal Structure

A CODES [01]
DA December 1, 1974
BT1 Computer Codes

A Resonances
(Prior to March 1988 this was a valid descriptor. For A3 resonances use PI2-1680 MESONS.)
DA December 1, 1974
USE Mesons

AABO CYCLOTRON [01]
DA December 1, 1974
UF *Turku Cyclotron*
BT1 Isochronous Cyclotrons
BT2 Cyclotrons
BT3 Cyclic Accelerators
BT4 Accelerators

AAEC [01]
(Australian Atomic Energy Commission, abolished on 27 April 1987 and replaced by ANSTO.)
DA April 28, 1978
UF *Australian Atomic Energy Commission*
BT1 ANSTO
BT2 Australian Organizations
BT3 National Organizations

AAF
DA September 23, 1985
USE Acetylaminofluorenes

AAPS
DA May 2, 1979
UF *Advanced Automotive Propulsion Systems*
RT Automotive Industry
RT Electric-Powered Vehicles
RT Gas Turbine Engines
RT Internal Combustion Engines
RT Stirling Engines

AARR REACTOR [01]
DA December 1, 1974
UF *Argonne Tank Research and Test Reactor AARR*
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors

ABANDONED SHAFTS [01]
DA December 22, 1977
UF *Disused Mineshafts*
BT1 Mine Shafts
BT2 Shaft Excavations
RT Coal Mines
RT Mines

ABANDONED SITES [01]
DA October 23, 1978
RT Land Reclamation
RT Remedial Action

ABANDONED WELLS [01]
DA August 24, 1977
BT1 Wells
RT Natural Gas Wells
RT Oil Wells
DEF An oil or gas well abandoned because its yield has fallen below that necessary for profitable production.

Abashian-Booth-Crowe Effect
DA November 9, 1977
USE ABC Effect

ABC EFFECT [01]
DA November 10, 1977
UF *Abashian-Booth-Crowe Effect*
RT Interactions
RT Missing-Mass Spectra
RT Pions

ABDOMEN [01]
DA December 1, 1974
BT1 Body Areas
BT2 Body
RT Diaphragm
RT Gastrointestinal Tract
RT Liver
RT Peritoneum
RT Spleen

Aberdeen Maryland Reactor
DA December 1, 1974
USE APRF Reactor

Aberration Yield
DA December 1, 1974
USE Mutation Frequency

ABFST EQUATION [01]
(Amati-Bertocchi-Fabini-Strangellini-Tonin Equation.)
DA December 1, 1974
BT1 Equations
RT Multiperipheral Model
RT Regge Poles
RT Scattering Amplitudes

Abies
DA December 11, 1985
USE Firs

ABIOGENIC GAS
DA May 12, 1982
BT1 Natural Gas
BT2 Fossil Fuels
BT3 Energy Sources
BT3 Fuels
BT2 Fuel Gas
BT3 Gas Fuels
BT4 Fuels
BT3 Gases
BT4 Fluids
DEF Methane deposits at great depths within the earth due to nonbiogenic processes.

ABLATION [01]
(For the medical concept use SURGERY or RADIOTHERAPY.)
DA December 1, 1974
RT Erosion
RT Heat Transfer
RT Reentry
RT Refractories
RT Sublimation Heat

Abnormalities (Chromosomal)
DA December 1, 1974
USE Chromosomal Aberrations

Abnormalities (Developmental)
DA December 1, 1974
USE Malformations

ABORTION [01]
DA December 1, 1974
RT Pregnancy
RT Reproductive Disorders

Abragam Model
DA December 1, 1974
USE Abragam-Pound Theory

ABRAGAM-POUND THEORY [01]
DA December 1, 1974
UF *Abragam Model*
RT Angular Correlation
RT Angular Distribution

ABRASION [01]
DA December 1, 1974
RT Abrasives
RT Erosion
RT Wear

ABRASIVES [01]
DA December 1, 1974
RT Abrasion
RT Pumice

ABRIKOSOV THEORY [01]
DA December 1, 1974
RT Magnetic Properties
RT Superconductivity
RT Superconductors

ABS [01]
DA December 1, 1974
UF *Alkyl Benzenesulfonates*
BT1 Sulfonic Acid Esters
BT2 Esters
BT3 Organic Compounds
BT2 Organic Sulfur Compounds
BT3 Organic Compounds

ABSCESSES [01]
DA December 1, 1974
BT1 Pathological Changes

ABSCISIC ACID
DA May 7, 1985
BT1 Auxins
BT2 Plant Growth Regulators
BT1 Monocarboxylic Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
RT Hormones
DEF A plant hormone, chemical composition $C_{16}H_{20}O_4$, that promotes abscission and plant dormancy.

ABSCOPAL RADIATION EFFECTS [01]
DA December 1, 1974
BT1 Biological Radiation Effects
BT2 Biological Effects
BT2 Radiation Effects
RT Local Irradiation
RT Partial Body Irradiation
RT Radiotoxins

ABSOLUTE COUNTING [01]
DA December 1, 1974
BT1 Counting Techniques
RT Calibration

ABSOLUTE INSTABILITIES [01]
DA December 1, 1974
BT1 Plasma Instability
BT2 Instability
RT Briggs Criterion
RT Convective Instabilities
DEF A class of plasma instabilities growing exponentially with time at any point in space in contrast to CONVECTIVE INSTABILITIES.

Absolute Zero Temperature
(Prior to February 1992 this was a valid descriptor.)
DA December 1, 1974
USE Temperature Zero K

Absorbed Doses
DA December 1, 1974
USE Radiation Doses

Absorbed Fraction (Internal Irradiation)
DA December 1, 1974
USE Internal Irradiation
AND Spatial Dose Distributions

Absorbers (Solar)
DA October 19, 1977
USE Solar Absorbers

ABSORPTION [01]
DA December 1, 1974
UF *Stopping*
BT1 Sorption
NT1 Energy Absorption
NT1 Intestinal Absorption
NT1 K Absorption
NT1 Polar-Cap Absorption
NT1 Resonance Absorption
NT1 Root Absorption
NT1 Self-Absorption
NT1 Skin Absorption
RT Absorption Spectra
RT Absorptivity
RT Half-Thickness
RT Heterogeneous Effects
RT Radiations
RT Range
RT Self-Shielding
RT Shielding
RT Sinks
RT Slowing-Down
RT Stopping Power
RT Transmission

Absorption (Intestinal)
DA December 1, 1974
USE Intestinal Absorption

Absorption (Leaves)
DA January 9, 1981
USE Foliar Uptake

Absorption (Root)
DA January 9, 1981
USE Root Absorption

Absorption (Skin)
DA December 1, 1974
USE Skin Absorption

ABSORPTION HEAT [01]
DA December 1, 1974
UF *Heat of Absorption*
BT1 Enthalpy
BT2 Thermodynamic Properties
BT3 Physical Properties
BT1 Heat
BT2 Energy
RT Wetting Heat

Absorption Model
DA January 28, 1975
USE Linear Absorption Models

ABSORPTION REFRIGERATION CYCLE
DA May 3, 1978
RT Air Conditioners
RT Cooling Systems
RT Refrigerating Machinery
RT Refrigeration
RT Refrigerators

ABSORPTION SPECTRA [01]
DA December 1, 1974
UF *Spectra (Absorption)*
BT1 Spectra
RT Absorption
RT Absorption Spectroscopy
RT Optical Depth Curve
RT Spectroscopic Curve of Growth

ABSORPTION SPECTROSCOPY [01]
DA December 1, 1974
UF *Atomic Absorption Spectroscopy*
UF *Colorimetry*
SF *Spectrochemistry*
BT1 Spectroscopy
RT Absorption Spectra
RT Double Resonance Methods
RT Extreme Ultraviolet Spectra
RT Infrared Spectra
RT Laser Spectroscopy
RT Photoacoustic Spectrometers
RT Structural Chemical Analysis
RT Ultraviolet Spectra

ABSORPTIVITY
DA September 30, 1975
BT1 Optical Properties
BT2 Physical Properties
RT Absorption
RT Spectral Reflectance
RT Surfaces

Absorptivity (Optical)
DA December 1, 1974
USE Opacity

ABSTRACTS [01]
(Use only for items about abstracts, not for items which are abstracts or collections of abstracts.)
DA December 1, 1974
BT1 Document Types
NT1 Leading Abstract

Abu Dhabi
DA August 5, 1976
USE United Arab Emirates

ABUNDANCE [01]
DA February 5, 1975
UF *Concentration (Analytical)*
UF *Concentration Dependence*
SF *Concentration*
NT1 Element Abundance
RT Chemical Composition
RT Concentration Ratio
RT Isotope Ratio
RT Ore Composition

AC AMPLIFIERS [01]
DA December 1, 1974
BT1 Amplifiers
BT2 Electronic Equipment
BT3 Equipment

AC LOSSES [01]
DA June 12, 1975
BT1 Energy Losses
BT2 Losses
RT Superconductivity

AC SYSTEMS [01]
DA May 17, 1976
BT1 Power Systems
BT2 Energy Systems
NT1 EHV AC Systems
NT1 HVAC Systems
NT1 UHV AC Systems

ACCELERATION [01]
DA December 1, 1974
UF *Deceleration*
NT1 Plasma Acceleration
RT Accelerators
RT Gravimetry
RT Heavy Ion Accelerators
RT Velocity
RT Wakefield Accelerators

ACCELERATOR BREEDERS [01]
DA January 23, 1978
RT Accelerators
RT Breeder Reactors
RT Breeding
RT Fissionable Materials
RT Nuclear Fuels
DEF Accelerators used in the production of fissionable materials.

ACCELERATOR FACILITIES [01]
DA December 1, 1974
UF *Experimental Facilities (Accelerator)*
UF *Facilities (Accelerator)*
NT1 PIGMI Facilities
NT1 Stanford Linear Collider
NT1 Target Chambers
RT Accelerators
RT Advanced Light Source
RT Advanced Photon Source
RT Beam Dumps
RT Beam Monitors
RT Laboratory Equipment
RT Reaction Product Transport Systems

Accelerator Pulsed Fast Assembly
DA December 1, 1974
USE APFA-3 Reactor

ACCELERATORS [01]
DA December 1, 1974
NT1 Coherent Accelerators
NT1 Collective Accelerators
NT2 Electron-Ring Accelerators
NT2 Ionization Front Accelerators
NT2 Plasma Betatrons
* **NT1** Cyclic Accelerators
* **NT1** Electrostatic Accelerators
* **NT1** Heavy Ion Accelerators
* **NT1** Linear Accelerators
NT1 Meson Factories
NT2 LAMPF II Synchrotron
NT2 LAMPF Linac
NT2 PIGMI Facilities
NT1 Particle Beam Fusion Accelerator
NT2 Electron Beam Fusion Accelerator
NT1 Railgun Accelerators
RT Acceleration
RT Accelerator Breeders
RT Accelerator Facilities
RT Beam Dumps
RT Beam Dynamics
RT Beam Separators
RT Impact Fusion Drivers
RT Isotope Production
RT Particle Boosters
RT Storage Rings
RT Target Chambers
RT Vacuum Systems

ACCELEROMETERS [01]
DA December 1, 1974
BT1 Measuring Instruments
RT Velocimeters

Acceptance (Beam)
DA December 1, 1974
USE Beam Acceptance

Access Denial Systems
DA August 20, 1984
USE Entry Control Systems

→**ACCIDENT INSURANCE [01]**
DA October 3, 1990
BT1 Insurance
RT Accidents

Accidental Intake
DA December 1, 1974
USE Accidents
AND Single Intake

Accidental Irradiation
DA December 1, 1974
USE Irradiation
AND Radiation Accidents

ACCIDENTS [01]
DA December 1, 1974
UF *Aircraft Accidents*
UF *Emergencies*
UF *Incidents*
UF *Marine Vehicle Accidents*
UF *Nuclear Accidents*
UF+ *Accidental Intake*
NT1 Blowouts
NT1 Gas Spills
NT1 Industrial Accidents
NT1 Motor Vehicle Accidents
NT1 Radiation Accidents
NT1 Reactor Accidents
NT2 ATWS
NT2 Design Basis Accidents
NT3 Maximum Credible Accident
NT2 Excursions
NT2 Fuel Element Failure
NT2 Loss of Coolant
NT2 Loss of Flow
NT2 Meltdown
NT2 Power-Cooling-Mismatch Accidents
NT2 Reactor Core Disruption
NT2 Rod Drop Accidents
NT2 Rod Ejection Accidents
NT2 Transient Overpower Accidents
RT Accident Insurance
RT Aerial Monitoring
RT Environment
RT Evacuation
RT Explosions
RT Failures
RT Fallout
RT Fires
RT First Aid
RT Fission Products
RT Hazards
RT Human Factors
RT Human Factors Engineering
RT Industrial Medicine
RT Injuries
RT Insurance
RT Liabilities
RT Mine Rescue
RT Nuclear Damage
RT Outages
RT Population Relocation
RT Preventive Medicine
RT Public Anxiety
RT Radiation Protection
RT Radioactive Clouds
RT Reactor Safety
RT Safety
RT Single Intake
RT Site Selection
RT Victims Compensation
RT Workmens Compensation

Acclimation
DA October 28, 1975
USE Biological Adaptation

Accountability
(Prior to April 1992 this was a valid descriptor.)
DA March 23, 1983
SEE Liabilities
OR Nuclear Materials Management
OR Personnel Management

Accountability (Legal)
(Prior to April 1992 this subject was indexed to ACCOUNTABILITY.)
DA April 1, 1992
USE Liabilities

Accountability (Nuclear Materials)
(Prior to April 1992 this subject was indexed to ACCOUNTABILITY.)
DA April 1, 1992
USE Nuclear Materials Management

Accountability (Personnel)
(Prior to April 1992 this subject was indexed to ACCOUNTABILITY.)
DA April 1, 1992
USE Personnel Management

ACCOUNTING [01]
DA December 1, 1974
UF *Bookkeeping*
NT1 Energy Accounting
RT AFUDC
RT Amortization
RT Audits
RT CWIP
RT Debt Collection
RT Inventories
RT Invoices
RT Losses
RT Management
RT Material Balance
RT Material Unaccounted For
RT Nuclear Materials Management
RT Procurement
RT Safeguards
RT US GAO

Accretion (Planet-System)
DA December 1, 1974
USE Planet-System Accretion

Accretion (Stars)
DA December 1, 1974
USE Star Accretion

ACCRETION DISKS [01]
DA May 7, 1982
RT Black Holes
RT Cosmic X-Ray Sources
RT Eruptive Variable Stars
RT Neutron Stars
RT Star Accretion
RT Symbiotic Stars
DEF Disks of matter which sometimes surround certain celestial objects, e.g. neutron stars.

Accumulation
DA December 1, 1974
USE Buildup

Accumulation (Radioecological)
DA December 1, 1974
USE Radioecological Concentration

ACCUMULATORS
DA April 30, 1975
BT1 Tanks
BT2 Containers
NT1 Hydraulic Accumulators
RT ECCS

ACCURACY [01]
DA December 1, 1974
RT Calibration
RT Calibration Standards
RT Data Covariances
RT Errors
RT Inspection
RT Reliability
RT Resolution
RT Sensitivity
RT Signal-to-Noise Ratio
RT Specificity
RT Tolerance

ACENAPHTHENE [01]
DA December 1, 1974
BT1 Condensed Aromatics
BT2 Aromatics
BT3 Organic Compounds
BT1 Hydrocarbons
BT2 Organic Compounds
RT Naphthalene

Aces
DA December 1, 1974
USE Quarks

ACETABULARIA [01]
DA December 1, 1974
BT1 Chlorophycota
BT2 Algae
BT3 Plants

ACETAL [01]
DA December 1, 1974
UF *1,1-Diethoxyethane*
BT1 Acetals
BT2 Ethers
BT3 Organic Oxygen Compounds
BT4 Organic Compounds
RT Acetaldehyde

ACETALDEHYDE [01]
DA December 1, 1974
UF *Acetic Aldehyde*
UF *Ethanal*
UF *Ethylaldehyde*
BT1 Aldehydes
BT2 Organic Compounds
RT Acetal
RT Chloral

ACETALS [01]
DA December 1, 1974
BT1 Ethers
BT2 Organic Oxygen Compounds
BT3 Organic Compounds
NT1 Acetal
RT Alcohols
RT Aldehydes
RT Ketones
RT Polyacetals

ACETAMIDE [01]
DA December 1, 1974
BT1 Amides
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
NT1 Ioglycamic Acid
RT Acetic Acid

ACETATES [01]
DA December 1, 1974
BT1 Carboxylic Acid Salts
RT Acetic Acid Esters

ACETIC ACID [01]
DA December 1, 1974
BT1 Monocarboxylic Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
RT Acetamide
RT Acetolysis
RT Acetonitrile

ACETIC ACID ESTERS [01]
DA December 1, 1974
BT1 Carboxylic Acid Esters
BT2 Esters
BT3 Organic Compounds
NT1 Isopentyl Acetate
NT1 Methyl Acetate
RT Acetates

Acetic Aldehyde
DA December 1, 1974
USE Acetaldehyde

ACETOACETATES [01]
DA December 1, 1974
BT1 Carboxylic Acid Salts

ACETOACETIC ACID [01]
DA December 1, 1974
UF *Ketobutyric Acid-beta*
BT1 Keto Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds

ACETOACETIC ACID ESTERS [01]
DA December 1, 1974
BT1 Carboxylic Acid Esters
BT2 Esters
BT3 Organic Compounds

ACETOLYSIS [01]
DA December 1, 1974
BT1 Solvolysis
BT2 Decomposition
BT3 Chemical Reactions
RT Acetic Acid

ACETONE [01]
DA December 1, 1974
UF *Dimethyl Ketone*
UF *Oxopropane*
UF *Propanone*
BT1 Ketones
BT2 Organic Compounds

ACETONITRILE [01]
DA July 18, 1981
BT1 Nitriles
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
RT Acetic Acid

ACETOPHENETIDIN
DA April 20, 1981
UF *Phenacetin*
BT1 Analgesics
BT2 Central Nervous System Depressants
BT3 Drugs
BT1 Antipyretics
BT2 Central Nervous System Depressants
BT3 Drugs

ACETOPHENONE [01]
DA December 1, 1974
UF *Acetylbenzene*
UF *Methyl Phenyl Ketone*
BT1 Ketones
BT2 Organic Compounds

Acetyl Propionyl
DA December 1, 1974
USE 2-3-Pentanedione

ACETYL RADICALS [01]
DA December 1, 1974
BT1 Acyl Radicals
BT2 Radicals

ACETYLACETONE [01]
DA December 1, 1974
UF *2,4-Pentanedione*
BT1 Chelating Agents
BT1 Ketones
BT2 Organic Compounds
BT1 Reagents

ACETYLAMINOFLUORENES
DA September 23, 1985
UF *AAF*
RT Carcinogens
RT Polycyclic Aromatic Amines

ACETYLATION [01]
DA December 1, 1974
BT1 Acylation
BT2 Chemical Reactions

Acetylbenzene
DA December 1, 1974
USE Acetophenone

ACETYLCHOLINE [01]
DA December 1, 1974
BT1 Esters
BT2 Organic Compounds
BT1 Neuroregulators
BT2 Autonomic Nervous System Agents
BT3 Drugs
BT1 Parasympathomimetics
BT2 Autonomic Nervous System Agents
BT3 Drugs
BT1 Quaternary Compounds
BT2 Amines
BT3 Organic Compounds
BT2 Ammonium Compounds
RT Choline
RT Cholinesterase

ACETYLENE [01]
DA December 1, 1974
UF *Ethine*
UF *Ethyne*
BT1 Alkynes
BT2 Hydrocarbons
BT3 Organic Compounds

Acetylenes
DA December 1, 1974
USE Alkynes

Acetylpropionic Acid-beta
DA December 1, 1974
USE Levulinic Acid

ACETYLSALICYLIC ACID [01]
DA March 12, 1976
UF *Aspirin*
BT1 Analgesics
BT2 Central Nervous System Depressants
BT3 Drugs
BT1 Antipyretics
BT2 Central Nervous System Depressants
BT3 Drugs
BT1 Hydroxy Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds

Achiral
DA February 23, 1976
USE Racemates

ACHOLEPLASMA LAIDLAWII B [01]
DA May 15, 1975
BT1 Mycoplasma
BT2 Microorganisms

ACHONDRITES [01]
DA December 1, 1974
BT1 Stone Meteorites
BT2 Meteorites

ACHROMATIC LESIONS [01]
DA December 1, 1974
RT Chromatin

ACID ANHYDRASES [01]
(Code number 3.6.)
DA January 12, 1981
BT1 Hydrolases
BT2 Enzymes
BT3 Proteins
BT4 Organic Compounds
NT1 GTP-ases
NT1 Phosphohydrolases
NT2 ATP-ase

ACID CARBONATES [01]
DA July 23, 1977
UF *Bicarbonates*
RT Acid Neutralizing Capacity
RT Carbonates
RT Inorganic Acids

ACID CHROME DYES [01]
DA December 1, 1974
BT1 Azo Dyes
BT2 Azo Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
BT2 Dyes
BT1 Naphthols
BT2 Phenols
BT3 Aromatics
BT4 Organic Compounds
BT3 Hydroxy Compounds
BT4 Organic Compounds
BT1 Sulfonic Acids
BT2 Organic Acids
BT3 Organic Compounds
BT2 Organic Sulfur Compounds
BT3 Organic Compounds

ACID ELECTROLYTE FUEL CELLS [01]
DA January 23, 1975
BT1 Fuel Cells
BT2 Direct Energy Converters
BT2 Electrochemical Cells

ACID HALIDES
DA January 17, 1975
BT1 Organic Halogen Compounds
BT2 Organic Compounds
RT Carboxylic Acids

ACID HYDROLYSIS [01]
DA May 13, 1976
BT1 Hydrolysis
BT2 Lysis
BT2 Solvolysis
BT3 Decomposition
BT4 Chemical Reactions
RT Alkaline Hydrolysis
RT Enzymatic Hydrolysis

ACID MINE DRAINAGE [01]
DA January 7, 1976
RT Coal Mining
RT Land Pollution
RT Liquid Wastes
RT Mine Draining
RT Mining
RT Spoil Banks
RT Waste Water
RT Water Pollution

ACID NEUTRALIZING CAPACITY [01]
DA August 6, 1984
UF *Alkalinity*
BT1 Water Chemistry
BT2 Chemistry
RT Acid Carbonates
RT Acid Rain
RT Bases
RT Buffers
RT Carbonates
RT Geochemistry
RT Limnology
RT Organic Matter
RT PH Value
RT Soils
RT Titration
DEF The total quantity of base in natural waters, usually in equilibrium with carbonate or bicarbonate, as determined by titration with strong acid.

ACID PHOSPHATASE [01]
(Code number 3.1.3.2.)
DA December 1, 1974
BT1 Phosphatases
BT2 Esterases
BT3 Hydrolases
BT4 Enzymes
BT5 Proteins
BT6 Organic Compounds

ACID PHOSPHATES
DA July 23, 1977
UF *Biphosphates*
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds
NT1 Superphosphates
RT Inorganic Acids

ACID PROTEINASES [01]
(Code number 3.4.23.)
DA January 12, 1981
BT1 Peptide Hydrolases
BT2 Hydrolases
BT3 Enzymes
BT4 Proteins
BT5 Organic Compounds
NT1 Pepsin

ACID RAIN [01]
DA March 22, 1976
BT1 Rain
BT2 Atmospheric Precipitations
RT Acid Neutralizing Capacity
RT Air Pollution
RT Climatic Change
RT Interception
RT Throughfall
RT US NAPAP

ACID SILICATES
DA July 23, 1977
BT1 Silicates
BT2 Oxygen Compounds
BT2 Silicon Compounds
RT Inorganic Acids

ACID SULFATES
DA March 3, 1978
UF *Bisulfates*
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds
RT Inorganic Acids
RT Sulfuric Acid

ACID SULFITES
DA January 7, 1982
BT1 Sulfites
BT2 Oxygen Compounds
BT2 Sulfur Compounds
RT Inorganic Acids
RT Sulfuric Acid

ACIDIFICATION [01]
DA December 22, 1977
RT Chemical Reactions
RT Inorganic Acids
RT Organic Acids
DEF The act or process of acidifying.

Acidity
DA December 1, 1974
USE PH Value

ACIDIZATION [01]
DA March 11, 1976
RT Enhanced Recovery
RT Natural Gas Deposits
RT Petroleum Deposits
RT Well Stimulation
DEF Treatment of a reservoir formation with acid to assist the flow of crude oil or gas by improving the permeability of the reservoir rock.

Acids (Inorganic)
DA December 1, 1974
USE Inorganic Acids

Acids (Organic)
DA December 1, 1974
USE Organic Acids

ACO [01]
DA December 1, 1974
BT1 Storage Rings

ACOUSTIC AGGLOMERATORS
DA August 21, 1981
BT1 Pollution Control Equipment
BT2 Equipment
RT Aerosols
RT Dusts
RT Hot Gas Cleanup
RT Sound Waves

ACOUSTIC DETECTION [01]
DA September 6, 1979
BT1 Acoustic Measurements
BT1 Charged Particle Detection
BT2 Radiation Detection
BT3 Detection
RT Acoustic Monitoring
RT DUMAND Project
RT Sound Waves
DEF Charged particle detection technique based on sonic signal produced by charged particles traversing fluid media.

Acoustic Electron Spin Resonance
DA December 1, 1974
USE Acoustic ESR

ACOUSTIC EMISSION TESTING [01]
DA December 1, 1974
BT1 Acoustic Testing
BT2 Nondestructive Testing
BT3 Materials Testing
BT4 Testing

ACOUSTIC ESR [01]
DA December 1, 1974
UF *Acoustic Electron Spin Resonance*
UF *AEPR*
UF *AESR*
SF *Electron-Spin Echo*
BT1 Electron Spin Resonance
BT2 Magnetic Resonance
BT3 Resonance
RT Attenuation
RT Phonons
RT Resonance Scattering
RT Sound Waves

ACOUSTIC HEATING [01]
DA December 1, 1974
BT1 Magnetic-Pumping Heating
BT2 High-Frequency Heating
BT3 Plasma Heating
BT4 Heating

ACOUSTIC MEASUREMENTS [01]
DA July 7, 1976
UF *Sonic Measurements*
NT1 Acoustic Detection
RT Acoustic Monitoring
RT Acoustic Testing
RT Noise Dosemeters
RT Seismic Surveys
RT Seismographs
RT Sonic Logging
RT Sonic Probes
RT Sound Waves
RT Ultrasonic Testing
DEF Measurement of properties, quantities, or conditions of acoustical i.e., mechanical waves.

ACOUSTIC MICROSCOPY [01]
DA July 10, 1984
BT1 Microscopy
RT Acoustic Testing
RT Mechanical Properties

ACOUSTIC MONITORING [01]
DA January 17, 1975
UF *Microseismic Monitoring*
BT1 Monitoring
RT Acoustic Detection
RT Acoustic Measurements
RT In Core Instruments
RT Reactor Monitoring Systems
RT Sonic Logging
RT Sound Waves

ACOUSTIC NMR [01]
DA December 1, 1974
UF *Acoustic Nuclear Magnetic Resonance*

UF *ANMR*
UF *Nuclear Acoustic Resonance*
BT1 Nuclear Magnetic Resonance
BT2 Magnetic Resonance
BT3 Resonance
RT Attenuation
RT Phonons
RT Resonance Scattering
RT Sound Waves

Acoustic Nuclear Magnetic Resonance
DA December 1, 1974
USE Acoustic NMR

ACOUSTIC RADAR [01]
DA March 29, 1980
BT1 Radar
BT2 Range Finders
BT3 Measuring Instruments
RT Meteorology
RT Remote Sensing
RT Sound Waves
DEF Use of sound waves with radar techniques for remote probing of the lower atmosphere.

Acoustic Spark Chambers
DA December 1, 1974
USE Sonic Spark Chambers

ACOUSTIC TESTING [01]
DA December 1, 1974
BT1 Nondestructive Testing
BT2 Materials Testing
BT3 Testing
NT1 Acoustic Emission Testing
NT1 Ultrasonic Testing
RT Acoustic Measurements
RT Acoustic Microscopy

ACOUSTICS [01]
DA January 23, 1976
NT1 Magnetoacoustics
RT Photoacoustic Effect
RT Sound Waves
RT Speech Synthesizers

ACPR REACTOR [01]
(ANL, Idaho Falls, Idaho, USA.)
DA December 1, 1974
UF *ACRR Reactor*
UF *Annular Core Pulse Reactor*
UF *Annular Core Research Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Hydride Moderated Reactors
BT2 Reactors
BT1 Mixed Spectrum Reactors
BT2 Reactors
BT1 Pulsed Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Solid Homogeneous Reactors
BT2 Homogeneous Reactors
BT3 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors

Acquired Immunodeficiency Syndrome
DA March 4, 1986
USE AIDS

Acquisition (Data)
DA December 1, 1974
USE Data Acquisition

Acraldehyde
DA December 1, 1974
USE Acrolein

ACRIDINE ORANGE [01]
DA December 1, 1974
BT1 Acridines
BT2 Azaarenes
BT3 Aromatics
BT4 Organic Compounds
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
BT2 Pyridines
BT3 Azines
BT4 Heterocyclic Compounds
BT5 Organic Compounds
BT4 Organic Nitrogen Compounds
BT5 Organic Compounds
BT1 Amines
BT2 Organic Compounds
BT1 Dyes

ACRIDINES [01]
DA December 1, 1974
BT1 Azaarenes
BT2 Aromatics
BT3 Organic Compounds
BT2 Heterocyclic Compounds
BT3 Organic Compounds
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
BT1 Pyridines
BT2 Azines
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
NT1 Acridine Orange
NT1 Acridones
NT1 Flavines
NT2 Acriflavine
NT2 Proflavine

ACRIDONES
DA January 17, 1975
BT1 Acridines
BT2 Azaarenes
BT3 Aromatics
BT4 Organic Compounds
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
BT2 Pyridines
BT3 Azines
BT4 Heterocyclic Compounds
BT5 Organic Compounds
BT4 Organic Nitrogen Compounds
BT5 Organic Compounds
BT1 Radioprotective Substances
BT2 Drugs

ACRIFLAVINE [01]
DA December 1, 1974
UF *Euflavine*
UF *Trypaflavine*
BT1 Flavines
BT2 Acridines
BT3 Azaarenes
BT4 Aromatics
BT5 Organic Compounds
BT4 Heterocyclic Compounds
BT5 Organic Compounds
BT4 Organic Nitrogen Compounds
BT5 Organic Compounds
BT3 Pyridines
BT4 Azines
BT5 Heterocyclic Compounds
BT6 Organic Compounds
BT5 Organic Nitrogen Compounds
BT6 Organic Compounds
BT2 Amines
BT3 Organic Compounds
RT Proflavine

ACROCENTRIC CHROMOSOMES [01]
DA September 11, 1975
BT1 Chromosomes
RT Chromosomal Aberrations
RT Karyotype

Acroleic Acid
DA December 1, 1974
USE Acrylic Acid

ACROLEIN [01]
DA December 1, 1974
UF *Acraldehyde*
UF *Acrylic Aldehyde*
UF *Propenal*
BT1 Aldehydes
BT2 Organic Compounds
RT Vinyl Monomers

ACROMEGALY [01]
DA December 1, 1974
BT1 Endocrine Diseases
BT2 Diseases
RT Pituitary Gland
RT STH

ACRR Reactor
DA October 23, 1979
USE ACPR Reactor

ACRYLAMIDE [01]
DA December 1, 1974
BT1 Amides
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
RT Acrylic Acid
RT Vinyl Monomers

ACRYLATES [01]
DA December 1, 1974
BT1 Carboxylic Acid Salts
RT Acrylic Acid Esters
RT Vinyl Monomers

ACRYLIC ACID [01]
DA December 1, 1974
UF *Acroleic Acid*
UF *Ethylenecarboxylic Acid*
BT1 Monocarboxylic Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
RT Acrylamide
RT Acrylonitrile
RT Vinyl Monomers

ACRYLIC ACID ESTERS [01]
DA December 1, 1974
BT1 Carboxylic Acid Esters
BT2 Esters
BT3 Organic Compounds
RT Acrylates
RT Vinyl Monomers

Acrylic Aldehyde
DA December 1, 1974
USE Acrolein

Acrylic Polymers
DA December 1, 1974
USE Polyacrylates

ACRYLONITRILE [01]
DA December 1, 1974
UF *Vinyl Cyanide*
BT1 Nitriles
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
RT Acrylic Acid
RT Organic Polymers
RT Vinyl Monomers

ACT DEVICES [01]
DA August 8, 1985
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices
DEF Advanced Concept Torus to study rf heating and current generation.

ACTF
DA March 17, 1981
USE Advanced Components Test Facility

ACTH [01]
DA December 1, 1974
UF *Adrenocorticotropic Hormone*
BT1 Pituitary Hormones
BT2 Peptide Hormones
BT3 Hormones
BT3 Proteins
BT4 Organic Compounds
RT Adrenal Glands
RT Corticosteroids
RT Glucocorticoids

ACTIN [01]
DA December 1, 1974
BT1 Proteins
BT2 Organic Compounds
RT Muscles
RT Tropomyosin

ACTINIDE ALLOYS [01]
DA December 1, 1974
BT1 Alloys
NT1 Americium Alloys
NT2 Americium Additions
NT2 Americium Base Alloys
NT1 Berkelium Alloys
NT1 Californium Alloys
NT1 Curium Alloys
NT2 Curium Additions
NT2 Curium Base Alloys
NT1 Neptunium Alloys
NT2 Neptunium Additions
NT2 Neptunium Base Alloys
NT1 Plutonium Alloys
NT2 Plutonium Additions
NT2 Plutonium Base Alloys
NT1 Protactinium Alloys
NT2 Protactinium Additions
NT2 Protactinium Base Alloys
NT1 Thorium Alloys
NT2 Magnesium Alloy-HK31A
NT2 Thorium Additions
NT2 Thorium Base Alloys
* NT1 Uranium Alloys
RT Rare Earth Alloys

ACTINIDE BURNER REACTORS [01]
DA March 28, 1979
BT1 Fast Reactors
BT2 Epithermal Reactors
BT3 Reactors
RT Radioactive Waste Disposal
DEF Reactors which convert radioactive waste actinides to useful or less harmful elements by fission reactions.

ACTINIDE COMPLEXES [01]
DA December 1, 1974
BT1 Complexes
NT1 Actinium Complexes
NT1 Americium Complexes
NT1 Berkelium Complexes
NT1 Californium Complexes
NT1 Curium Complexes
NT1 Einsteinium Complexes
NT1 Fermium Complexes
NT1 Lawrencium Complexes
NT1 Mendelevium Complexes
NT1 Neptunium Complexes
NT2 Neptunyl Complexes
NT1 Nobelium Complexes
NT1 Plutonium Complexes
NT2 Plutonyl Complexes
NT1 Protactinium Complexes
NT1 Thorium Complexes
NT1 Uranium Complexes
NT2 Uranyl Complexes

ACTINIDE COMPOUNDS [01]
DA December 1, 1974
* NT1 Actinium Compounds
* NT1 Americium Compounds
* NT1 Berkelium Compounds
* NT1 Californium Compounds
* NT1 Curium Compounds
* NT1 Einsteinium Compounds
* NT1 Fermium Compounds
NT1 Lawrencium Compounds
NT2 Lawrencium Chlorides
NT2 Lawrencium Oxides
NT1 Mendelevium Compounds
NT2 Mendelevium Carbides
NT2 Mendelevium Nitrides
NT2 Mendelevium Oxides
NT2 Mendelevium Sulfides
* NT1 Neptunium Compounds
* NT1 Nobelium Compounds
* NT1 Plutonium Compounds
* NT1 Protactinium Compounds
* NT1 Thorium Compounds
* NT1 Uranium Compounds

ACTINIDE ISOTOPES
DA May 17, 1976
BT1 Isotopes
* NT1 Actinium Isotopes
* NT1 Americium Isotopes
* NT1 Berkelium Isotopes
* NT1 Californium Isotopes
* NT1 Curium Isotopes
* NT1 Einsteinium Isotopes
* NT1 Fermium Isotopes
* NT1 Lawrencium Isotopes
* NT1 Mendelevium Isotopes
* NT1 Neptunium Isotopes
* NT1 Nobelium Isotopes
* NT1 Plutonium Isotopes
* NT1 Protactinium Isotopes
* NT1 Thorium Isotopes
* NT1 Uranium Isotopes

ACTINIDE NUCLEI [01]
DA April 8, 1975
BT1 Heavy Nuclei
BT2 Nuclei
NT1 Actinium 209
NT1 Actinium 210
NT1 Actinium 211
NT1 Actinium 212
NT1 Actinium 213
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NT1 Lanthanum 149
NT1 Lawrencium 253
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NT1 Uranium 240
NT1 Uranium 242

ACTINIDES [01]
DA December 1, 1974
BT1 Metals
BT2 Elements
NT1 Actinium
NT1 Americium
NT1 Berkelium
NT1 Californium
NT1 Curium
NT1 Einsteinium
NT1 Fermium
NT1 Lawrencium
NT1 Mendelevium
NT1 Neptunium
NT2 Neptunium-Alpha
NT2 Neptunium-Beta
NT2 Neptunium-Gamma
NT1 Nobelium
NT1 Plutonium
NT2 Plutonium-Alpha
NT2 Plutonium-Beta
NT2 Plutonium-Delta
NT2 Plutonium-Epsilon
NT2 Plutonium-Eta
NT2 Plutonium-Gamma
NT1 Protactinium
NT1 Thorium
NT2 Thorium-Alpha
NT2 Thorium-Beta
NT1 Uranium
NT2 Depleted Uranium
NT2 Enriched Uranium
NT3 Highly Enriched Uranium
NT3 Moderately Enriched Uranium
NT3 Slightly Enriched Uranium
NT2 Natural Uranium
NT2 Uranium-Alpha
NT2 Uranium-Beta
NT2 Uranium-Gamma
RT Transplutonium Elements
RT Transuranium Elements

ACTINIUM [01]
DA December 1, 1974
BT1 Actinides
BT2 Metals
BT3 Elements

ACTINIUM 209 [01]
DA July 3, 1986
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Actinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

ACTINIUM 210 [01]
DA June 23, 1989
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Actinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

ACTINIUM 211 [01]
DA July 3, 1986
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Actinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

ACTINIUM 212 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Actinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

ACTINIUM 213 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Actinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

ACTINIUM 214 [01]
DA July 3, 1986
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Actinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ACTINIUM 215 [01]
DA June 7, 1982
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Actinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes

BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

ACTINIUM 216 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Actinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Microsec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

ACTINIUM 217 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Actinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Nanosec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ACTINIUM 218 [01]
DA December 15, 1976
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Actinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Microsec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

ACTINIUM 219 [01]
DA May 31, 1985
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Actinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Microsec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

ACTINIUM 220 [01]
DA May 17, 1976
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Actinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ACTINIUM 221 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Actinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ACTINIUM 222 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Actinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ACTINIUM 223 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Actinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

ACTINIUM 224 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Actinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

ACTINIUM 225 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Actinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

ACTINIUM 226 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Actinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

ACTINIUM 227 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Actinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ACTINIUM 227 TARGET [01]
DA July 9, 1976
BT1 Targets

ACTINIUM 228 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Actinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BT1 Odd-Odd Nuclei
BT2 Nuclei

ACTINIUM 229 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Actinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

ACTINIUM 230 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Actinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ACTINIUM 231 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Actinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

ACTINIUM 232 [01]
DA January 17, 1975
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Actinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ACTINIUM 233 [01]
DA January 21, 1983
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Actinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

ACTINIUM 234 [01]
DA February 21, 1986
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Actinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

Actinium A
DA December 1, 1974
USE Polonium 215

Actinium Additions
(Prior to August 1993 this was a valid descriptor.)
DA January 17, 1975
USE Alloys

Actinium B
DA December 1, 1974
USE Lead 211

ACTINIUM BROMIDES [01]
DA October 28, 1975
BT1 Actinium Compounds
BT2 Actinide Compounds
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds

Actinium C
DA December 1, 1974
USE Bismuth 211

Actinium C'
DA December 1, 1974
USE Polonium 211

Actinium C''
DA December 1, 1974
USE Thallium 207

ACTINIUM CHLORIDES [01]
DA October 28, 1975
BT1 Actinium Compounds
BT2 Actinide Compounds
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds

ACTINIUM COMPLEXES [01]
DA December 1, 1974
BT1 Actinide Complexes
BT2 Complexes

ACTINIUM COMPOUNDS [01]
DA December 1, 1974
BT1 Actinide Compounds
NT1 Actinium Bromides
NT1 Actinium Chlorides
NT1 Actinium Fluorides
NT1 Actinium Hydrides
NT1 Actinium Hydroxides
NT1 Actinium Oxides
NT1 Actinium Sulfates

Actinium D
DA December 1, 1974
USE Lead 207

ACTINIUM FLUORIDES [01]
DA October 28, 1975
BT1 Actinium Compounds
BT2 Actinide Compounds
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds

ACTINIUM HYDRIDES [01]
DA December 27, 1984
BT1 Actinium Compounds
BT2 Actinide Compounds
BT1 Hydrides
BT2 Hydrogen Compounds

ACTINIUM HYDROXIDES [01]
DA November 10, 1977
BT1 Actinium Compounds
BT2 Actinide Compounds
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds

ACTINIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

ACTINIUM ISOTOPES [01]
DA December 1, 1974
BT1 Actinide Isotopes
BT2 Isotopes
NT1 Actinium 209
NT1 Actinium 210
NT1 Actinium 211
NT1 Actinium 212
NT1 Actinium 213
NT1 Actinium 214
NT1 Actinium 215
NT1 Actinium 216
NT1 Actinium 217
NT1 Actinium 218
NT1 Actinium 219
NT1 Actinium 220
NT1 Actinium 221
NT1 Actinium 222
NT1 Actinium 223
NT1 Actinium 224
NT1 Actinium 225
NT1 Actinium 226
NT1 Actinium 227
NT1 Actinium 228
NT1 Actinium 229
NT1 Actinium 230
NT1 Actinium 231
NT1 Actinium 232
NT1 Actinium 233
NT1 Actinium 234

Actinium K
DA December 1, 1974
USE Francium 223

ACTINIUM OXIDES [01]
DA December 1, 1974
BT1 Actinium Compounds
BT2 Actinide Compounds
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds

ACTINIUM SULFATES [01]
DA January 17, 1975
BT1 Actinium Compounds
BT2 Actinide Compounds
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds

Actinium X
DA December 1, 1974
USE Radium 223

ACTINOMYCES [01]
DA December 1, 1974
BT1 Bacteria

BT2 Microorganisms
NT1 Frankia
RT Nocardia

ACTINOMYCIN [01]
DA December 1, 1974
BT1 Antibiotics
BT2 Anti-Infective Agents
BT3 Drugs
BT1 Antimitotic Drugs
BT2 Drugs
BT1 Antineoplastic Drugs
BT2 Drugs

ACTION INTEGRAL [01]
DA April 11, 1986
BT1 Integrals
RT Field Theories
RT Mechanics
DEF An integral associated with the trajectory of a system in configuration space, equal to the sum of the integrals of the generalized momenta of the system over their canonically conjugate coordinates.

ACTIVATED CARBON [01]
DA December 1, 1974
BT1 Adsorbents
BT1 Carbon
BT2 Nonmetals
BT3 Elements
RT Adsorption
RT Charcoal

ACTIVATED SLUDGE PROCESS
DA March 11, 1976
BT1 Waste Processing
BT2 Processing
BT2 Waste Management
BT3 Management
RT Petroleum Refineries
RT Sewage

Activation (Chemical)
DA December 1, 1974
USE Chemical Activation

Activation (Radio)
DA December 1, 1974
USE Radioactivation

ACTIVATION ANALYSIS [01]
DA December 1, 1974
UF *Analysis (Activation)*
UF+ *Charged-Particle Activation*
BT1 Chemical Analysis
NT1 Charged-Particle Activation Analysis
NT1 Neutron Activation Analysis
NT1 Photon Activation Analysis
RT Crime Detection
RT Impurities
RT Neutron Activation Analyzers
RT Nondestructive Analysis
RT Nuclear Reaction Analysis
RT Qualitative Chemical Analysis
RT Quantitative Chemical Analysis
RT Radioactivation
RT Substoichiometry

ACTIVATION DETECTORS [01]
DA December 1, 1974
BT1 Neutron Detectors
BT2 Radiation Detectors
BT3 Measuring Instruments
RT Fission Foil Detectors
RT Moderating Detectors
RT Radiator Counters
RT Threshold Detectors

ACTIVATION ENERGY [01]
DA December 1, 1974
UF *Activation Heat*
UF *Reactivity (Chemical)*
BT1 Energy
RT Arrhenius Equation
RT Chemical Activation
RT Chemical Reaction Kinetics
RT Excitation
RT Reaction Kinetics

Activation Heat
DA December 1, 1974
USE Activation Energy

Activity Coefficient
DA December 1, 1974
USE Reaction Kinetics
AND Thermodynamic Activity

ACTIVITY LEVELS [01]
DA January 30, 1975
RT Activity Meters
RT Enzyme Activity
RT Maximum Permissible Activity
RT Radioactivity
RT Solar Activity

ACTIVITY METERS [01]
DA December 1, 1974
BT1 Meters
BT2 Measuring Instruments
RT Activity Levels
RT Counting Techniques

Activity Transport
DA August 24, 1976
USE Radioactivity Transport

ACTUATORS [01]
DA April 30, 1975
RT Control Equipment
RT Servomechanisms
RT Solenoids
DEF Mechanism to activate process control equipmemt, e.g., valves.

ACUTE EXPOSURE [01]
DA June 14, 1978
NT1 Acute Irradiation
RT Biological Effects
RT Dose-Response Relationships
RT Environmental Exposure
RT Toxicity

ACUTE IRRADIATION [01]
DA December 1, 1974
BT1 Acute Exposure
BT1 Irradiation
RT Latency Period
RT Radiation Syndrome

ACYL RADICALS [01]
DA December 1, 1974
BT1 Radicals
NT1 Acetyl Radicals
NT1 Butyryl Radicals
NT1 Formyl Radicals

ACYLATION [01]
DA December 1, 1974
BT1 Chemical Reactions
NT1 Acetylation
NT1 Benzoylation

ADA
DA December 11, 1985
BT1 Programming Languages

ADAMANTANE
DA February 5, 1975
BT1 Cycloalkanes
BT2 Alkanes
BT3 Hydrocarbons
BT4 Organic Compounds

Adamellite
DA June 29, 1984
USE Quartz Monzonite

Adapted Swimming Pool Reactor Austria
DA December 1, 1974
USE ASTRA Reactor

Adaptive Intrusion Data Systems
DA September 10, 1982
SEE Intrusion Detection Systems

Added Mass Effect
DA August 24, 1976
USE Hydrodynamic Mass Effect

ADDITIVES [01]
DA December 1, 1974
SF *Chemicals*
NT1 Demulsifiers
NT1 Emulsifiers
NT2 Detergents
NT3 Pluronics
NT1 Food Additives
NT1 Fuel Additives
RT Catalysts
RT Dioxin
RT Preservatives
RT Solutes
RT Xenobiotics

ADDUCTS [01]
DA December 1, 1974
NT1 DNA Adducts
RT Chemical Bonds
RT Clathrates
RT Complexes
DEF Chemical compounds with weak bonds, e.g., occulusive or Van der Waal bonds.

ADENINES [01]
DA December 1, 1974
UF *6-Aminopurine*
BT1 Amines
BT2 Organic Compounds
BT1 Antimetabolites
BT2 Drugs
BT1 Purines
BT2 Azaarenes
BT3 Aromatics
BT4 Organic Compounds
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
NT1 Kinetin
RT Adenosine
RT Adenylic Acid
RT ADP
RT AMP
RT ATP
RT Vitamin B Group

Adenocarcinomas
DA December 1, 1974
USE Carcinomas

ADENOMAS [01]
DA December 1, 1974
BT1 Carcinomas
BT2 Neoplasms
BT3 Diseases
RT Glands

ADENOSINE [01]
DA December 1, 1974
BT1 Nucleosides
BT2 Nucleotides
BT3 Organic Compounds
BT2 Ribosides
RT Adenines
RT ATP

Adenosine Diphosphate
DA December 1, 1974
USE ADP

Adenosine Monophosphate
DA December 1, 1974
USE AMP

Adenosine Triphosphatase
DA December 1, 1974
USE ATP-ase

Adenosine Triphosphate
DA December 1, 1974
USE ATP

ADENOVIRUS [01]
DA December 1, 1974
BT1 Oncogenic Viruses
BT2 Viruses
BT3 Microorganisms
BT3 Parasites

ADENYLIC ACID [01]
DA December 1, 1974
BT1 Nucleotides
BT2 Organic Compounds
RT Adenines

Adgezator
DA December 1, 1974
USE Electron-Ring Accelerators

ADHESION [01]
DA December 1, 1974
RT Adhesives
RT Agglomeration
RT Bonding
RT Coalescence
RT Surface Properties

ADHESIVES [01]
DA December 1, 1974
NT1 Halthane
RT Adhesion
RT Binders

ADIABATIC APPROXIMATION [01]
DA December 1, 1974
RT Born-Oppenheimer Approximation
RT Diabatic Approximation
RT Quantum Mechanics
RT Scattering

ADIABATIC COMPRESSION HEATING [01]
DA December 1, 1974
BT1 Plasma Heating
BT2 Heating

ADIABATIC DEMAGNETIZATION [01]
DA December 1, 1974
UF *Demagnetization (Adiabatic)*
UF *Magnetic Cooling*
BT1 Demagnetization
RT Cryogenics
RT Magnetism

ADIABATIC INVARIANCE [01]
DA December 1, 1974
RT Invariance Principles
RT Quantum Mechanics

ADIABATIC PROCESSES [01]
DA December 1, 1974
UF *Processes (Adiabatic)*
NT1 Adiabatic Surface Ionization
RT Isentropic Processes
RT Isothermal Processes
RT Thermodynamics

Adiabatic Reformer Processes
DA March 17, 1981
USE Autothermal Reformer Processes

ADIABATIC SURFACE IONIZATION [01]
DA March 8, 1978
UF *ASI*
BT1 Adiabatic Processes
BT1 Surface Ionization
BT2 Ionization

Adiabatic Toroidal Compressors
DA December 1, 1974
USE ATC Devices

ADIP PROCESS
DA January 24, 1975
BT1 Desulfurization
BT2 Chemical Reactions
DEF Process for the substantial removal of H_2S and the partial removal of incidental COS, carbon dioxide, and mercaptans.

ADIPIC ACID [01]
DA December 1, 1974
BT1 Dicarboxylic Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds

ADIPOSE TISSUE [01]
DA December 1, 1974
BT1 Connective Tissue
BT2 Animal Tissues
BT3 Tissues
BT4 Body
RT Fat Cells
RT Fats

ADIRONDACK MOUNTAINS [01]
DA October 11, 1983
BT1 Appalachian Mountains
BT2 Mountains
RT New York

→**ADITYA TOKAMAK [01]**
DA February 25, 1991
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

ADJOINT DIFFERENCE METHOD [01]
DA December 1, 1974
BT1 Calculation Methods
RT Neutron Transport Theory
RT One-Dimensional Calculations
RT Three-Dimensional Calculations
RT Two-Dimensional Calculations

ADJOINT FLUX [01]
DA December 1, 1974
BT1 Neutron Flux
BT2 Radiation Flux
RT Neutron Importance Function
RT Perturbation Theory

ADJUSTMENTS
DA December 10, 1979
BT1 Administrative Procedures

ADL Process
(Prior to July 1993, this was a valid descriptor.)
DA March 9, 1978
USE Coal Liquefaction
DEF Arthur D. Little coal liquefaction process in which some hydrogen is added by the donor solvent and carbon is removed as coke. Process takes place at 80-100 psi and is similar to certain established petroleum refinery processes.

Administration
DA December 1, 1974
USE Management

ADMINISTRATIVE PROCEDURES [01]
DA December 10, 1979
NT1 Adjustments
NT1 Alternative Work Schedules
NT1 Appeals
NT1 Decisions and Orders
NT2 Consent Orders
NT2 Prohibition Orders
NT2 Proposed Remedial Orders
NT1 Exceptions
NT1 Interventions
NT1 Investigations
NT1 License Applications
NT1 Licensing Procedures
NT1 Notices
NT2 Notice of Probable Violation
NT1 Notification Procedures
NT1 Permit Applications
NT1 Permits
NT2 Construction Permits
NT1 Sanctions
RT Agreements
RT Compliance
RT Debt Collection
RT Disbursements
RT Enforcement
RT Hearings
RT Implementation
RT Laws
RT Leasing
RT Legal Aspects
RT Regulations
RT Reporting Requirements
RT Time Delay
RT Violations

ADOBE
DA February 27, 1979
BT1 Building Materials
BT2 Materials
RT Bricks
RT Clays

ADOLESCENTS [01]
DA December 1, 1974
BT1 Age Groups
RT Adults
RT Children
RT Education
RT Juveniles
RT Life Cycle

ADONE [01]
DA December 1, 1974
BT1 Storage Rings

ADP [01]
DA December 1, 1974
UF *Adenosine Diphosphate*
BT1 Nucleotides
BT2 Organic Compounds
RT Adenines

ADRENAL GLANDS [01]
DA December 1, 1974
UF *Cortex (Adrenal)*
BT1 Endocrine Glands
BT2 Glands
BT3 Organs
BT4 Body
RT ACTH
RT Adrenal Hormones
RT Adrenalectomy
RT Androgens

ADRENAL HORMONES [01]
DA December 1, 1974
BT1 Hormones
NT1 Adrenaline
* **NT1** Corticosteroids
NT1 Noradrenaline
RT Adrenal Glands
RT Adrenalectomy
RT Androgens
RT Steroid Hormones

ADRENALECTOMY [01]
DA December 1, 1974
BT1 Surgery
BT2 Medicine
RT Adrenal Glands
RT Adrenal Hormones
RT Response Modifying Factors

ADRENALINE [01]
DA December 1, 1974
UF *Epinephrine*
BT1 Adrenal Hormones
BT2 Hormones
BT1 Cardiotonics
BT2 Cardiovascular Agents
BT3 Drugs
BT1 Neuroregulators
BT2 Autonomic Nervous System Agents
BT3 Drugs
BT1 Sympathomimetics
BT2 Autonomic Nervous System Agents
BT3 Drugs

Adrenergics
DA May 18, 1981
USE Sympathomimetics

Adrenergics-Blocking Agents
DA April 20, 1981
USE Sympatholytics

Adrenocorticotropic Hormone
DA December 1, 1974
USE ACTH

Adriamycin
DA April 14, 1980
USE Doxorubicin

ADRIATIC SEA [01]
DA October 1, 1975
BT1 Mediterranean Sea
BT2 Seas
BT3 Surface Waters
RT Albania
RT Italy
RT Yugoslavia

ADSORBENTS [01]
DA December 1, 1974
NT1 Activated Carbon
NT1 Bioadsorbents
NT1 Charcoal
NT1 Molecular Sieves
NT1 Silica Gel
RT Adsorption
RT Chemisorption
RT Diatomaceous Earth
RT Sorbent Injection Processes
RT Sorbent Recovery Systems
RT Sorptive Properties

ADSORPTION [01]
DA December 1, 1974
BT1 Sorption
RT Activated Carbon
RT Adsorbents
RT Adsorption Heat
RT Adsorption Isotherms
RT Bioadsorbents
RT Chemisorption
RT Deposition
RT Desorption
RT Gettering
RT Hygroscopicity
RT Impregnation
RT Molecular Sieves
RT Sediment-Water Interfaces
RT Separation Processes
RT Silica Gel
RT Sorptive Properties
RT Surface Properties
RT Surfaces
RT Van der Waals Forces

ADSORPTION HEAT [01]
DA December 1, 1974
UF *Heat of Adsorption*
BT1 Enthalpy
BT2 Thermodynamic Properties
BT3 Physical Properties
RT Adsorption

ADSORPTION ISOTHERMS [01]
DA December 1, 1974
BT1 Isotherms
RT Adsorption

Adsorptive Properties
DA February 6, 1975
USE Sorptive Properties

ADU [01]
DA January 7, 1976
UF *Ammonium Diuranate*
BT1 Ammonium Uranates
BT2 Ammonium Compounds
BT2 Uranates
BT3 Uranium Compounds
BT4 Actinide Compounds

ADULTS [01]
DA December 1, 1974
BT1 Age Groups
NT1 Aged Adults
NT2 Elderly People
RT Adolescents
RT Life Cycle
RT Man
RT Men
RT Metamorphosis
RT Populations
RT Reproduction
RT Women

ADVANCE MINING
DA March 23, 1983
BT1 Underground Mining
BT2 Mining
RT Coal Mining

Advanced Automotive Propulsion Systems
DA May 2, 1979
USE AAPS

ADVANCED COMPONENTS TEST FACILITY
DA March 17, 1981
UF *ACTF*
BT1 Test Facilities
RT Central Receivers
RT Tower Focus Collectors
RT Tower Focus Power Plants
DEF The DOE solar thermal test facility operated by Georgia Tech.

Advanced Gas Cooled Graphite Moderated Reactor
DA December 1, 1974
USE AGR Type Reactors

→**ADVANCED LIGHT SOURCE [01]**
(Lawrence Berkeley Laboratory, California, USA)
DA June 11, 1992
UF *ALS Storage Ring*
BT1 Synchrotron Radiation Sources
BT2 Radiation Sources
RT Accelerator Facilities
RT Light Sources
RT Storage Rings
RT X-Ray Sources

→**ADVANCED PHOTON SOURCE [01]**
(Argonne National Laboratory, Illinois, USA)
DA June 11, 1992
UF *APS Storage Ring*
BT1 Synchrotron Radiation Sources
BT2 Radiation Sources
RT Accelerator Facilities
RT Light Sources
RT Storage Rings
RT X-Ray Sources

Advanced Reactivity Measurement Facility-1
DA December 1, 1974
USE ARMF-1 Reactor

Advanced Test Accelerator
DA January 21, 1988
SEE LLNL Advanced Test Accelerator

Advanced Test Idaho Reactor
DA December 1, 1974
USE ATR Reactor

Advanced Test Reactor Critical Facility
DA December 1, 1974
USE ATRC Reactor

Advanced Thermal Reactor Fugen
DA December 1, 1974
USE JATR Reactor

ADVECTION [01]
DA April 19, 1976
BT1 Mass Transfer
RT Convection
RT Diffusion
RT Fluid Flow
RT Osmosis
RT Water Currents
RT Wind

ADVENTITIOUS BUD TECHNIQUE [01]
DA December 1, 1974
BT1 Vegetative Propagation
BT2 Cloning
RT Mutants
RT Mutations
RT Plant Breeding

ADVERSARIES
DA July 7, 1976
RT Intervenors
RT Motion Detection Systems
RT Negotiation
RT Nuclear Materials Diversion
RT Sabotage
RT Security
RT Terrorism
RT Theft
RT Vulnerability

ADVERTISING [01]
DA March 27, 1979
RT Communications
RT Consumer Products
RT Marketing
RT Product Labeling
RT Public Relations

ADVISORY COMMITTEES
DA November 23, 1979
NT1 Energy Research Advisory Board
RT Decision Making
RT Planning

AECL
(Prior to July 1985, this was a valid descriptor and older material is so indexed.)
DA January 17, 1975
USE Atomic Energy of Canada LTD

AECL Radiochemical Slowpoke Reactor
DA January 24, 1980
USE Slowpoke-Ottawa Reactor

Aedes
DA December 1, 1974
USE Mosquitoes

AEG-PR-10 REACTOR [01]
DA December 1, 1974
UF *AEG Pruefreaktor PR-10*
UF *Grosswelzheim PR-10 Reactor*
UF *PR-10 AEG Pruefreaktor*
BT1 Argonaut Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

AEG Pruefreaktor PR-10
DA December 1, 1974
USE AEG-PR-10 Reactor

AEGEAN SEA [01]
DA June 2, 1977
RT Mediterranean Sea

AEPR
DA December 1, 1974
USE Acoustic ESR

AERATION [01]
DA September 14, 1976
RT Air
RT Bubbles
RT Deaerators
RT Gases
RT Mixing

AERE [01]
DA December 1, 1974
UF *Atomic Energy Research Establishment*
BT1 UKAEA
BT2 United Kingdom Organizations
BT3 National Organizations

AERIAL MONITORING [01]
DA December 1, 1974
UF *Aircraft Surveys*
BT1 Monitoring
RT Accidents
RT Aerial Prospecting
RT Aerial Surveying
RT Aerosols

RT Air
RT Aircraft
RT Fallout
RT Geophysical Surveys
RT Radiation Monitoring
RT Radioactive Clouds
RT Remote Sensing

AERIAL PROSPECTING [01]
DA December 1, 1974
BT1 Prospecting
RT Aerial Monitoring
RT Aerial Surveying
RT Exploration
RT Radiometric Surveys
RT Remote Sensing
RT Seasat Satellites

AERIAL SURVEYING [01]
DA July 23, 1977
RT Aerial Monitoring
RT Aerial Prospecting
RT Aircraft
RT Landsat Satellites
RT Magnetic Surveys
RT Remote Sensing

AEROBACTER [01]
DA December 1, 1974
BT1 Bacteria
BT2 Microorganisms
RT Coliforms
RT Intestines
RT Soils

AEROBIC CONDITIONS [01]
DA November 28, 1975
RT Aerobic Digestion
RT Biodegradation
RT Decomposition

AEROBIC DIGESTION [01]
DA October 28, 1975
BT1 Bioconversion
BT1 Digestion
RT Aerobic Conditions
RT Batch Culture
RT Continuous Culture
RT Microorganisms
RT Semibatch Culture
RT Waste Processing

AERODYNAMIC HEATING
DA February 11, 1982
BT1 Heating
RT Aerodynamics
RT Fluid Flow
RT Fluid Mechanics
DEF The heating of a body produced by the passage of air or other gases over its surface.

AERODYNAMICS [01]
DA December 1, 1974
BT1 Fluid Mechanics
BT2 Mechanics
RT Aerodynamic Heating
RT Aircraft
RT Airfoils
RT Compressible Flow
RT Gas Flow
RT Mach Number
RT Parachutes
RT Particle Resuspension
RT Reentry
RT Subsonic Flow
RT Supersonic Flow
RT Transonic Flow
RT Wind Tunnels

AEROJET-GENERAL NUCLEONICS REACTORS [01]
DA December 1, 1974
UF *AGN Reactor Series*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Solid Homogeneous Reactors
BT2 Homogeneous Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors

AEROMONAS [01]
DA July 18, 1979
BT1 Bacteria
BT2 Microorganisms

AEROSOL GENERATORS [01]
DA December 1, 1974
UF *Generators (Aerosol)*
RT Aerosols
RT Nozzles

AEROSOL MONITORING [01]
DA December 1, 1974
BT1 Air Pollution Monitoring
BT2 Monitoring
RT Aerosols
RT Air Pollution Monitors
RT Air Samplers
RT Cascade Impactors
RT Radiation Monitoring
RT Radioactive Aerosols
RT Smoke Detectors

AEROSOL WASTES [01]
DA December 1, 1974
BT1 Wastes
NT1 Fly Ash
RT Aerosols
RT Air Pollution
RT Waste Disposal

AEROSOLS [01]
DA December 1, 1974
UF *Fumes*
BT1 Sols
BT2 Colloids
BT3 Dispersions
NT1 Radioactive Aerosols
NT1 Smokes
NT2 Tobacco Smokes
RT Acoustic Agglomerators
RT Aerial Monitoring
RT Aerosol Generators
RT Aerosol Monitoring
RT Aerosol Wastes
RT Air
RT Air Pollution
RT Air Pollution Monitoring
RT Atomization
RT Condensation Nuclei
RT Diffusion Chambers
RT Droplets
RT Dusts
RT Fallout
RT Filters
RT Flow Visualization
RT Inhalation
RT Particle Resuspension
RT Particle Size
RT Particles
RT Particulates
RT Radioactive Clouds
RT Respirators
RT Sedimentation
RT Smoke Detectors
RT Total Suspended Particulates
RT Ventilation

AEROSPACE INDUSTRY [01]
DA July 23, 1977
BT1 Industry
RT Aircraft
RT Space Vehicles

Aerospace System Test Reactor
DA December 1, 1974
USE ASTR Reactor

Aerowindows
DA August 20, 1984
USE Air Curtains

AESCHYNITE [01]
DA December 1, 1974
BT1 Oxide Minerals
BT2 Minerals
BT1 Rare Earth Compounds
BT1 Thorium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
RT Niobium Oxides
RT Thorium Oxides
RT Titanium Oxides

AESR
DA December 1, 1974
USE Acoustic ESR

AESTHETICS [01]
DA March 3, 1978
UF *Esthetics*
RT Architecture
RT Behavior
RT Communities
RT Environmental Engineering
RT Environmental Impacts
RT Human Factors
RT Land Reclamation
RT Landscaping
RT Ornamental Plants
RT Pollution
RT Public Opinion
RT Public Relations
RT Recreational Areas
RT Social Impact
RT Socio-Economic Factors
RT Sociology
RT Urban Areas
RT Water Reclamation

AESTIVATION
DA December 20, 1978
RT Hibernation
RT Sleep
DEF The state of torpidity or dormancy induced by heat and dryness of summer.

AET [01]
DA December 1, 1974
UF *Aminoethylisothiuronium Bromide*
UF *Aminoethylthiopseudourea*
BT1 Amines
BT2 Organic Compounds
BT1 Radioprotective Substances
BT2 Drugs
BT1 Thioureas
BT2 Carbonic Acid Derivatives
BT3 Organic Compounds
BT2 Organic Sulfur Compounds
BT3 Organic Compounds

AFARS AND ISSAS
(Name changed to DJIBOUTI in 1980 and material published after that date should be so indexed.)
DA December 10, 1979
BT1 Djibouti
BT2 Africa
BT2 Arab Countries

AFFINITY [01]
DA December 1, 1974
UF *Electron Affinity*
RT Chemical Properties
RT Chemical Reactions
RT Electronegativity
RT Free Energy

Affirmative Action
(Prior to December 1991 this was a valid descriptor.)
DA September 22, 1980
USE US Affirmative Action Program
DEF Positive action undertaken to overcome underrepresentation of women and minority groups in employment and in post-secondary student bodies, as compared with the composition of the area population.

AFFRI Reactor
DA December 1, 1974
USE AFRRI Reactor

AFGHANISTAN [01]
DA December 1, 1974
BT1 Asia
BT1 Developing Countries

Aflatoxin
(Prior to October 1990 this was a valid descriptor.)
DA December 1, 1974
USE Aflatoxins

AFLATOXINS [01]
DA January 27, 1984
UF *Aflatoxin*
BT1 Toxins
BT2 Antigens
BT2 Toxic Materials
BT3 Hazardous Materials
BT4 Materials
RT Aspergillus
RT Toxicity

AFR Storage
DA May 9, 1979
USE Away-From-Reactor Storage

AFRICA [01]
DA December 1, 1974
NT1 Algeria
NT1 Angola
NT1 Benin
NT2 Dahomey
NT1 Botswana
NT1 Burundi
NT1 Cameroon
NT1 Central African Republic
NT1 Chad
NT1 Congo Peoples Republic
NT2 Brazzaville
NT1 Djibouti
NT2 Afars and Issas
NT1 Egyptian Arab Republic
NT1 Ethiopia
NT1 Gabon
NT1 Gambia
NT1 Ghana
NT1 Guinea
NT1 Ivory Coast
NT1 Kenya
NT1 Lesotho
NT1 Liberia
NT1 Libya
NT1 Madagascar
NT2 Malagasy Republic
NT1 Malawi
NT1 Mali
NT1 Mauritania
NT1 Morocco
NT1 Mozambique
NT1 Namibia
NT1 Niger
NT1 Nigeria
NT1 Rwanda
NT1 Senegal
NT1 Sierra Leone
NT1 Somalia
NT1 South Africa
NT2 Transvaal
NT1 Sudan
NT1 Swaziland
NT1 Tanzania
NT1 Togo
NT1 Tunisia
NT1 Uganda
NT1 Upper Volta
NT1 Zaire Republic
NT2 Kinshasa
NT1 Zambia
NT1 Zimbabwe
NT2 Southern Rhodesia
RT Arab Countries
RT Niger River

AFRRI REACTOR [01]
DA December 1, 1974
UF *AFFRI Reactor*
UF *Defense Atomic Support Agency TRIGA-Mk-F*
UF *TRIGA-F-DASA Reactor*
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 TRIGA Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Hydride Moderated Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Solid Homogeneous Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

AFSR REACTOR [01]
(ANL, Idaho Falls, Idaho)
DA December 1, 1974
UF *Argonne Fast Source Reactor*
UF *Fast Source Reactor AEC*
BT1 Air Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Fast Reactors
BT2 Epithermal Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors

AFTER-HEAT [01]
DA December 1, 1974
RT After-Heat Removal
RT Away-From-Reactor Storage
RT Fuel Cooling Time
RT Reactor Shutdown
RT Residual Power
RT Spent Fuel Storage

AFTER-HEAT REMOVAL [01]
DA December 1, 1974
UF *Decay Heat Removal*
UF *Removal (After-Heat)*
BT1 Removal
RT After-Heat
RT RHR Systems

AFTERBURNERS
DA November 11, 1975
UF *Automobile Exhaust Reactors*
UF *Vapor Incinerators*
BT1 Pollution Control Equipment
BT2 Equipment
RT Air Pollution Control
RT Automobiles
RT Combustion
RT Exhaust Gases
RT Exhaust Systems
RT Industry
DEF Air pollution control devices for recombustion of gaseous effluents using a flame, spark ignition, or some other system to ignite the gases.

AFTERGLOW [01]
DA December 1, 1974
RT Electric Discharges
RT Phosphorescence

AFTERLOADING [01]
DA November 1, 1976
BT1 Radiotherapy
BT2 Radiology
BT3 Nuclear Medicine
BT4 Medicine
BT2 Therapy

AFTERSHOCKS
DA June 14, 1978
RT Earthquakes
RT Foreshocks
RT Microearthquakes
DEF An earthquake which follows a larger earthquake and originates at or near the focus of the larger earthquake.

AFUDC
DA November 14, 1978
UF *Allowance for funds used during construction*
RT Accounting
RT Construction
RT CWIP
RT Public Utilities
RT Regulations

AGAR [01]
DA December 1, 1974
BT1 Colloids
BT2 Dispersions
BT1 Polysaccharides
BT2 Saccharides
BT3 Carbohydrates
BT4 Organic Compounds

AGATA REACTOR [01]
(Institute of Nuclear Research, Swierk, Poland)
DA April 4, 1975
UF *Swierk Agata Reactor*
BT1 Beryllium Moderated Reactors
BT2 Metal Moderated Reactors
BT3 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

AGE DEPENDENCE [01]
DA December 1, 1974
RT Growth
RT Life Span
RT Menopause
RT Ripening

AGE ESTIMATION [01]
DA December 1, 1974
UF *Dating*
UF *Geochronology*
NT1 Isotope Dating
RT Archaeology
RT Cultural Objects
RT Eocene Epoch
RT Fission Tracks
RT Fossils
RT Geologic Ages
RT Miocene Epoch
RT Paleontology
RT Pliocene Epoch

AGE GROUPS [01]
DA December 1, 1974
NT1 Adolescents
NT1 Adults
NT2 Aged Adults
NT3 Elderly People
NT1 Children
NT2 Infants
RT Embryos
RT Fetuses
RT Juveniles
RT Larvae
RT Life Cycle
RT Man
RT Metamorphosis
RT Populations
RT Pupae

AGE HARDENING [01]
DA December 1, 1974
BT1 Hardening
RT Aging
RT Precipitation Hardening

Aged
DA February 14, 1978
USE Elderly People

AGED ADULTS [01]
DA March 7, 1983
BT1 Adults
BT2 Age Groups
NT1 Elderly People

Agedoite
DA December 1, 1974
USE Asparagine

Agesta-R3 Reactor
DA December 1, 1974
USE Agesta Reactor

AGESTA REACTOR [01]
(Agesta, Stockholm, Sweden)
DA December 1, 1974
UF *Agesta-R3 Reactor*
UF *R-3/Adam Reactor*
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 PHWR Type Reactors
BT2 Heavy Water Cooled Reactors
BT3 Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Process Heat Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

AGGLOMERATING ASH PROCESS [01]
DA January 24, 1975
UF *Agglomerating Burner Gasification Process*
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes
DEF Process utilizing self-agglomerating fluidized-bed coal burner for producing synthesis gas by steam gasification of coal.

Agglomerating Burner Gasification Process
DA September 14, 1976
USE Agglomerating Ash Process

AGGLOMERATION [01]
DA April 8, 1975
UF *Aggregation*
RT Adhesion
RT Briquetting
RT Caking
RT Coalescence
RT Compacting
RT Crystallization
RT Particle Size
RT Pelletizing
RT Precipitation
RT Sintering

Agglutination
DA December 1, 1974
USE Antigen-Antibody Reactions

AGGLUTININS [01]
DA December 1, 1974
BT1 Antibodies
NT1 Hemagglutinins
NT2 Concanavalin A
NT2 Phytohemagglutinin

Aggregation
DA April 27, 1978
USE Agglomeration

AGING [01]
(For biological aging use LIFE CYCLE or LIFE SPAN.)
DA December 1, 1974
NT1 Quench Aging
NT1 Strain Aging
RT Age Hardening
RT Heat Treatments
RT Weathering

AGIP NUCLEARE [01]
DA December 1, 1974
BT1 Italian Organizations
BT2 National Organizations

AGN Reactor Series
DA May 6, 1980
USE Aerojet-General Nucleonics Reactors

AGR Reactor (Windscale)
DA December 1, 1974
USE WAGR Reactor

AGR TYPE REACTORS [01]
DA May 6, 1975
UF *Advanced Gas Cooled Graphite Moderated Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 GCR Type Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT2 Graphite Moderated Reactors
BT3 Reactors
NT1 Connah Quay-B Reactor
NT1 Dungeness-B Reactor
NT1 Hartlepool Reactor
NT1 Heysham-A Reactor
NT1 Heysham-B Reactor
NT1 Hinkley Point-B Reactor
NT1 Hunterston-B Reactor
NT1 Torness Reactor
NT1 WAGR Reactor
RT Carbon Dioxide Cooled Reactors
RT Power Reactors

AGREEMENTS [01]
DA December 1, 1974
UF *Conventions*
NT1 International Agreements
NT2 Atomic Energy Agreements
NT2 BCOCLMCNM
NT2 BCOLONS
NT2 BCSTPC
NT2 Bilateral Agreements
NT2 CANARE
NT2 CENNA
NT2 CPPNM
NT2 IAEA Agreements
NT2 LCPMPDPW
NT2 Multilateral Agreements
NT2 PCOTPL
NT2 SOLAS Convention
NT2 VCOCLND
RT Administrative Procedures
RT Contracts
RT Cooperation
RT Delivery
RT Grants
RT Implementation
RT Laws
RT Leasing
RT Negotiation
RT Recommendations
RT Regulations

Agricultural Cooperatives
DA July 9, 1993
USE Agriculture
AND Cooperatives

Agricultural Information System
DA June 19, 1975
USE AGRIS

Agricultural Residues
DA June 6, 1980
USE Agricultural Wastes

AGRICULTURAL WASTES [01]
DA October 1, 1975
UF *Agricultural Residues*
UF *Stover*
UF+ *Corn Stover*
BT1 Organic Wastes
BT2 Wastes
NT1 Bagasse
NT1 Manures
RT Agriculture
RT Biological Wastes
RT Straw

AGRICULTURE [01]
DA December 1, 1974
UF+ *Agricultural Cooperatives*
NT1 Dairy Industry
NT1 Horticulture
NT1 Silviculture
RT Agricultural Wastes
RT AGRIS
RT Animal Breeding
RT Biomass Plantations
RT Crops
RT Cultivation
RT Cultivation Techniques
RT Domestic Animals
RT Ecosystems
RT FAO
RT Farms
RT Fertilizer Industry
RT Fertilizers
RT Food
RT Gardening
RT Grain Disinfestation
RT Greenhouses
RT Harvesting
RT Hydroponic Culture
RT Irrigation
RT Pest Control
RT Pesticides
RT Plants
RT Short Rotation Cultivation
RT Soil Chemistry
RT Soil Conservation
RT Soils
RT Sterile Insect Release
RT Sterile Male Technique

AGRINI EVENT
DA January 14, 1986
BT1 Nuclear Explosions
BT2 Explosions
BT1 Underground Explosions
BT2 Explosions

AGRIS [01]
DA June 16, 1975
UF *Agricultural Information System*
BT1 Information Systems
RT Agriculture
RT FAO

Aguirre-1 Reactor
DA April 21, 1975
USE North Coast-1 Reactor

AGUIRRE REACTOR [01]
(Relocated and renamed NORTH COAST-1 REACTOR.)
DA August 4, 1976
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
RT North Coast-1 Reactor

→ **AHARONOV-BOHM EFFECT [01]**
DA December 5, 1991
RT Electromagnetic Fields
RT Gauge Invariance
RT Magnetic Flux
RT Phase Shift
RT Quantum Mechanics

AHFR Reactor
DA December 1, 1974
USE CP-6 Reactor

AHUACHAPAN GEOTHERMAL FIELD [01]
DA January 28, 1977

BT1 Geothermal Fields
RT El Salvador

AI AQUEOUS CARBONATE PROCESS
DA May 7, 1977
UF *Aqueous Carbonate Process*
UF *Atomics International Aqueous Carbonate Process*
BT1 Desulfurization
BT2 Chemical Reactions
RT Waste Processing
DEF Process utilizing aqueous sodium carbonate solution to sorb sulfur dioxide from power plant flue gas. Unique design features use of a spray dryer as an SO_2 scrubber producing a product suitable for regeneration and complete reduction of the sodium salts in a molten pool.

AI-L-77 REACTOR [01]
DA December 1, 1974
UF *Atomics International L-77 Reactor*
UF *L-77 Atomics International Reactor*
BT1 Aqueous Homogeneous Reactors
BT2 Liquid Homogeneous Reactors
BT3 Fluid Fueled Reactors
BT4 Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors

AIC-144 Cyclotron
DA August 11, 1982
USE Cracow AIC-144 Cyclotron

AIDS [01]
DA March 4, 1986
UF *Acquired Immunodeficiency Syndrome*
BT1 Immune System Diseases
BT2 Diseases
BT1 Viral Diseases
BT2 Infectious Diseases
BT3 Diseases
RT AIDS Virus
RT Epidemiology
RT Immunity
RT Leukocytes
RT Pathogenesis
RT Viruses

AIDS VIRUS [01]
(Virus reponsible for Acquired Immuno-Deficiency Syndrome.)
DA November 14, 1986
BT1 Viruses
BT2 Microorganisms
BT2 Parasites
RT AIDS
RT Immunity

AIPFR REACTOR [01]
DA December 1, 1974
UF *Atomics International Prototype Fast Reactor*
BT1 FBR Type Reactors
BT2 Breeder Reactors
BT3 Reactors
BT2 Fast Reactors
BT3 Epithermal Reactors
BT4 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors

AIR [01]
DA December 1, 1974
BT1 Gases
BT2 Fluids
NT1 Compressed Air
NT1 Surface Air
RT Aeration
RT Aerial Monitoring
RT Aerosols
RT Air Conditioning
RT Air Curtains
RT Air Flow
RT Air Infiltration
RT Aircraft
RT Breath
RT Carbon Dioxide Fixation
RT Earth Atmosphere
RT Environmental Materials
RT Fallout
RT Fuel-Air Ratio
RT Inhalation
RT Nitrogen Fixation
RT Radioactive Clouds
RT Respiration
RT Respirators
RT Respiratory System
RT Troposphere
RT Ventilation
RT Wind

AIR-BIOSPHERE INTERACTIONS [01]
DA February 13, 1987
RT Air-Water Interactions
RT Environmental Transport
RT Mass Transfer
RT Mineral Cycling

AIR CLEANING [01]
DA December 1, 1974
UF *Air Purification*
BT1 Cleaning
RT Air Cleaning Systems
RT Air Conditioning
RT Air Filters
RT Electrostatic Precipitators

AIR CLEANING SYSTEMS
DA August 19, 1975
BT1 Engineered Safety Systems
RT Air Cleaning
RT Air Conditioning
RT Air Filters
RT Electrostatic Precipitators
RT Off-Gas Systems
RT Pollution Control Equipment
RT Scrubbers
RT Ventilation
RT Ventilation Systems

AIR CONDITIONERS [01]
DA February 13, 1975
NT1 Solar Air Conditioners
NT2 Solar-Assisted Heat Pumps
RT Absorption Refrigeration Cycle
RT Air Conditioning
RT Appliances
RT Coefficient of Performance
RT Electric Appliances
RT Refrigerating Machinery
RT Space HVAC Systems
RT Vapor Compression Refrigeration Cycle

AIR CONDITIONING [01]
DA December 1, 1974
NT1 Geothermal Air Conditioning
NT1 Solar Air Conditioning
RT Air
RT Air Cleaning
RT Air Cleaning Systems
RT Air Conditioners
RT Air Source Heat Pumps
RT Annual Cycle Energy System
RT Automotive Accessories
RT Ceiling Fans
RT Cooling
RT Cooling Load
RT Degree Days
RT Environmental Engineering
RT Ground Source Heat Pumps
RT Heating
RT Heating Load
RT Humidity Control
RT Radiative Cooling
RT Refrigerating Machinery
RT Temperature Control
RT Thermal Insulation
RT Ventilation
RT Ventilation Systems
RT Water Source Heat Pumps
RT Working Conditions

AIR COOLED REACTORS [01]
DA May 6, 1975
BT1 Gas Cooled Reactors
BT2 Reactors
NT1 AFSR Reactor
NT1 BEPO Reactor
NT1 BGRR Reactor
NT1 BR-1 Reactor
NT1 G-1 Reactor
NT1 Gleep Reactor
NT1 Harmonie Reactor
NT1 HPRR Reactor
NT1 Kalpakkam PFR Reactor
NT1 Masurca Reactor
NT1 SNEAK Reactor
NT1 STF Reactor
NT1 Tory-2A Reactor
NT1 Tory-2C Reactor
NT1 TREAT Reactor
NT1 Windscale Production Reactors
NT1 X-10 Reactor
NT1 XMA-1 Reactor
NT1 ZED-2 Reactor

AIR CURTAINS [01]
DA May 2, 1979
UF *Aerowindows*
RT Air
RT Air Infiltration
RT Buildings
RT Curtains
RT Doors
RT Gas Flow
DEF Compressed gas flow across an opening to serve as a thermal barrier.

AIR CUSHION VEHICLES
DA August 9, 1977
UF *Ground-Effect Machines*
UF *Hovercraft*
UF *Surface-Effect Machines*
BT1 Vehicles

AIR FILTERS [01]
DA December 1, 1974
BT1 Filters
BT1 Pollution Control Equipment
BT2 Equipment
RT Air Cleaning
RT Air Cleaning Systems
RT Air Pollution Monitors
RT Scrubbers

AIR FLOW [01]
DA January 9, 1981
BT1 Gas Flow
BT2 Fluid Flow
RT Air
RT Air Infiltration
RT Atmospheric Circulation
RT Ventilation
RT Ventilation Systems

Air-Fuel Ratio
DA July 7, 1976
USE Fuel-Air Ratio

AIR HEATERS
DA June 12, 1975
UF *Air Preheaters*
BT1 Heaters
NT1 Solar Air Heaters
RT Heat
RT Heating

AIR INFILTRATION [01]
DA February 23, 1979
RT Air
RT Air Curtains
RT Air Flow
RT Airtightness
RT Buildings
RT Caulking
RT Energy Conservation
RT Weatherstripping
DEF Airflow into an enclosed space, e.g., buildings.

AIR POLLUTION [01]
DA December 1, 1974
UF+ *Thermal Pollution (Air)*
BT1 Pollution
NT1 Indoor Air Pollution
RT Acid Rain
RT Aerosol Wastes
RT Aerosols
RT Air Pollution Abatement
RT Air Pollution Control
RT Air Pollution Monitoring
RT Air Quality
RT Aitken Nuclei
RT Arctic Haze
RT Atmospheric Chemistry
RT Clean Air Acts
RT Environmental Exposure
RT Exhaust Systems
RT Fly Ash
RT Greenhouse Gases
RT Long-Range Transport
RT Mobile Pollutant Sources
RT Particle Resuspension
RT Particulates
RT Plumes
RT Point Pollutant Sources
RT Scrubbers
RT Smog
RT Soot
RT Stationary Pollutant Sources
RT Temperature Inversions
RT Total Suspended Particulates
RT Washout

AIR POLLUTION ABATEMENT [01]
(The prevention of formation of pollutants at the source.)
DA June 7, 1976
BT1 Pollution Abatement
RT Air Pollution
RT Air Pollution Control
RT Desulfurization
RT Prevention of Significant Deterioration
RT Staged Combustion

AIR POLLUTION CONTROL [01]
(The removal or management of pollutants after they are formed by a source.)
DA March 4, 1977
BT1 Pollution Control
BT2 Control
RT Afterburners
RT Air Pollution
RT Air Pollution Abatement
RT Baghouses
RT Catalytic Combustors
RT Catalytic Converters
RT Electrostatic Precipitators
RT Exhaust Recirculation Systems
RT Hitachi Zosen Process
RT Pollution Control Equipment
RT Scrubbers
RT Selective Catalytic Reduction

AIR POLLUTION MONITORING [01]
DA March 12, 1985
BT1 Monitoring
NT1 Aerosol Monitoring
RT Aerosols
RT Air Pollution
RT Air Pollution Monitors
RT Particulates

AIR POLLUTION MONITORS [01]
DA July 7, 1976
UF *Monitors (Air Pollution)*
BT1 Monitors
BT2 Measuring Instruments
RT Aerosol Monitoring
RT Air Filters
RT Air Pollution Monitoring
RT Air Samplers
RT Cascade Impactors
RT Electrostatic Precipitators

Air Preheaters
DA June 12, 1975
USE Air Heaters

Air Purification
DA December 1, 1974
USE Air Cleaning

AIR QUALITY [01]
DA January 7, 1976
BT1 Environmental Quality
RT Air Pollution
RT Clean Air Acts
RT Prevention of Significant Deterioration

AIR SAMPLERS [01]
DA December 1, 1974
BT1 Samplers
BT2 Equipment
RT Aerosol Monitoring
RT Air Pollution Monitors
RT Cascade Impactors
RT Radiation Monitors

AIR SOURCE HEAT PUMPS
DA July 24, 1979
BT1 Heat Pumps
RT Air Conditioning
RT Space Heating

AIR TRANSPORT [01]
DA March 8, 1978
BT1 Transport
NT1 Supersonic Transport
RT Aircraft
RT Travel

Air Wall Ionization Chambers
DA December 1, 1974
USE Bragg Gray Chambers

AIR-WATER INTERACTIONS [01]
DA August 12, 1980
RT Air-Biosphere Interactions
RT Carbon Cycle
RT Energy Transfer
RT Environmental Transport
RT Surface Waters
RT Troposphere
RT Water Waves

Airborne Particles
(Prior to September 1981, this concept was indexed to AEROSOLS and PARTICLES.)
DA September 8, 1981
USE Particulates

Airborne Particulates
(Prior to September 1981, this concept was indexed to AEROSOLS and PARTICLES.)
DA December 1, 1974
USE Particulates

AIRCRAFT [01]
DA December 1, 1974
NT1 Helicopters
NT1 Space Shuttles
RT Aerial Monitoring
RT Aerial Surveying
RT Aerodynamics
RT Aerospace Industry
RT Air
RT Air Transport
RT Aircraft Components
RT Airfoils
RT Airports
RT Airships
RT Balloons
RT Flight Testing
RT Navigation

Aircraft Accidents
DA December 1, 1974
USE Accidents

AIRCRAFT COMPONENTS
DA August 24, 1976
RT Aircraft

Aircraft Fuels
DA January 28, 1975
USE Aviation Fuels

AIRCRAFT PROPULSION REACTORS [01]
DA December 1, 1974
BT1 Propulsion Reactors
BT2 Reactors
NT1 XMA-1 Reactor

Aircraft Shield Test Reactor
DA December 1, 1974
USE ASTR Reactor

Aircraft Surveys
DA July 29, 1993
USE Aerial Monitoring

AIRFOILS [01]
DA August 19, 1975
RT Aerodynamics
RT Aircraft

AIRGLOW [01]
DA December 1, 1974
UF *Dayglow*
UF *Nightglow*
RT Aurorae
RT Earth Atmosphere
RT Night Sky
RT Noctilucent Clouds

AIROX PROCESS [01]
DA September 26, 1979
UF *Atomics International Reduction Oxidation Dry Reprocessing*
BT1 Reprocessing
BT2 Separation Processes
DEF This method uses simple chemical oxidation and reduction reactions to simultaneously declad and pulverize spent fuel, release the volatile fission products, and restore the fuel to the proper form for refabrication and recycle. This method is highly prolifferation resistant.

AIRPORTS [01]
DA November 11, 1975
RT Aircraft
RT Transportation Systems

AIRSHIPS
DA January 15, 1980
UF *Dirigibles*
UF *Lighter-than-Air Craft*
NT1 Balloons
RT Aircraft
DEF A propelled and steerable vehicle, dependent on gases for flotation.

AIRTIGHTNESS [01]
DA February 23, 1979
RT Air Infiltration
RT Buildings
RT Leaks
RT Space Heating
RT Ventilation

AIRY FUNCTIONS [01]
DA December 1, 1974
BT1 Functions
RT Differential Equations

AITKEN NUCLEI
DA January 30, 1981
RT Air Pollution
RT Atmospheric Precipitations

RT Condensation Nuclei
DEF Microscopic particles in the atmosphere associated with atmospheric electrical phenomena.

Ajman
DA August 5, 1976
USE United Arab Emirates

AKM Muehleberg Reactor
DA December 1, 1974
USE Muehleberg Reactor

AKM Reactor
DA December 1, 1974
USE Muehleberg Reactor

ALABAMA [01]
DA December 1, 1974
BT1 USA
BT2 Developed Countries
BT2 North America
RT Chattahoochee River
RT Chattanooga Formation
RT Tennessee River
RT Tennessee Valley Region
RT US Gulf Coast

ALAMOSITE [01]
DA December 1, 1974
BT1 Lead Silicates
BT2 Lead Compounds
BT2 Silicates
BT3 Oxygen Compounds
BT3 Silicon Compounds
BT1 Silicate Minerals
BT2 Minerals

ALANINE-ALPHA [01]
DA December 1, 1974
UF *Aminopropionic Acid-alpha*
BT1 Alanines
BT2 Amino Acids
BT3 Carboxylic Acids
BT4 Organic Acids
BT5 Organic Compounds
NT1 Alanine-L

ALANINE-BETA [01]
DA December 1, 1974
UF *Aminopropionic Acid-beta*
BT1 Alanines
BT2 Amino Acids
BT3 Carboxylic Acids
BT4 Organic Acids
BT5 Organic Compounds
RT Pantothenic Acid

ALANINE-L [01]
DA December 1, 1974
UF *L-Alanine*
UF *L-Alanine-alpha*
BT1 Alanine-Alpha
BT2 Alanines
BT3 Amino Acids
BT4 Carboxylic Acids
BT5 Organic Acids
BT6 Organic Compounds

ALANINES [01]
DA December 1, 1974
BT1 Amino Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
NT1 Alanine-Alpha
NT2 Alanine-L
NT1 Alanine-Beta

ALAP
(As low as practicable.)
DA November 23, 1979
SEE Radiation Protection

ALARA [01]
(All exposures shall be kept as low as reasonably achievable, economic and social factors being taken into account.)
DA March 13, 1981
RT ICRP
RT Optimization
RT Radiation Doses
RT Radiation Hazards
RT Radiation Protection
RT Risk Assessment
RT Safety
RT Shielding
RT Working Conditions

Alarm Dosemeters
DA December 1, 1974
USE Radiation Monitors

ALARM SYSTEMS [01]
DA December 1, 1974
NT1 Intrusion Detection Systems
NT1 Motion Detection Systems
RT Fire Detectors
RT Radiation Monitoring
RT Radiation Monitors
RT Reactor Components
RT Safety Engineering
RT Smoke Detectors

ALASKA [01]
DA December 1, 1974
UF+ *Alaska River*
BT1 USA
BT2 Developed Countries
BT2 North America
RT Alaskan North Slope
RT Aleutian Islands
RT Amchitka Island Area
RT Chukchi Sea
RT Prudhoe Bay
RT Yukon River

ALASKA GAS PIPELINE
DA November 17, 1976
BT1 Pipelines
RT Natural Gas

ALASKA OIL PIPELINE [01]
DA November 17, 1976
UF *Transalaska Pipeline*
BT1 Pipelines
RT Alaskan North Slope
RT Permafrost
RT Petroleum

ALASKA POWER ADMINISTRATION [01]
DA March 29, 1980
UF *APA*
BT1 US DOE
BT2 US Organizations
BT3 National Organizations
RT Electric Power

Alaska River
DA May 18, 1981
USE Alaska
AND Rivers

ALASKAN NORTH SLOPE [01]
DA December 10, 1979
RT Alaska
RT Alaska Oil Pipeline
RT Permafrost

Alaskites
DA December 27, 1984
USE Aplites

ALBANIA [01]
DA December 1, 1974
BT1 Developing Countries
BT1 Eastern Europe
BT2 Europe
RT Adriatic Sea
RT Alps
RT Centrally Planned Economies

ALBEDO [01]
DA December 1, 1974
RT Illuminance
RT Neutron Transport Theory
RT Reflection

ALBEDO-NEUTRON DOSEMETERS [01]
DA December 1, 1974
BT1 Dosemeters
BT2 Measuring Instruments
RT Backscattering
RT Neutron Dosimetry
RT Personnel Monitoring

ALBERTA [01]
DA December 1, 1974
BT1 Canada
BT2 Developed Countries
BT2 North America
RT Athabasca Deposit
RT Athabasca Lake
RT Cold Lake Deposit
RT Peace River
RT Peace River Deposit
RT Wabasca Deposit

ALBITE
DA November 29, 1976
BT1 Feldspars
BT2 Silicate Minerals
BT3 Minerals
DEF A sodium aluminum silicate mineral; feldspar used as glaze in ceramics; $NaAlSi_3O_8$.

Albumen
DA December 1, 1974
USE Albumins

ALBUMINS [01]
DA December 1, 1974
UF *Albumen*
UF+ *Risa*
BT1 Proteins
BT2 Organic Compounds
NT1 Lucifer in
RT Albuminuria
RT Polyamides

ALBUMINURIA [01]
DA December 1, 1974
RT Albumins

ALCATOR DEVICE [01]
DA December 1, 1974
UF *Massachusetts Institute of Technology Alcator*
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

ALCOHOL DEHYDROGENASE [01]
DA April 11, 1986
BT1 Hemiacetal Dehydrogenases
BT2 Oxidoreductases
BT3 Enzymes
BT4 Proteins
BT5 Organic Compounds

ALCOHOL FUEL CELLS [01]
DA January 23, 1975
BT1 Fuel Cells
BT2 Direct Energy Converters
BT2 Electrochemical Cells

ALCOHOL FUELS [01]
(Use for pure alcohols, alcohol-water mixtures, or alcohols with additives; for alcohol-gasoline mixtures, use GASOHOL.)
DA November 14, 1978
BT1 Synthetic Fuels
BT2 Fuels
NT1 Ethanol Fuels
NT1 Methanol Fuels
RT Alcohols
RT Automotive Fuels
RT Gasohol

Alcoholates
DA December 1, 1974
USE Alkoxides

ALCOHOLS [01]
DA December 1, 1974
UF *Alkylates*
UF+ *Amino Alcohols*
UF+ *Methyl-Fuel*
BT1 Hydroxy Compounds
BT2 Organic Compounds

NT1 2-Methylpropanol
NT1 Batyl Alcohol
NT1 Benzhydrol
NT1 Benzyl Alcohol
NT1 Butanols
NT1 Choline
NT1 Cyclohexanol
NT1 Decanols
NT1 Enols
NT1 Erythritol
NT1 Ethanol
NT1 Geraniol
NT1 Glycerol
NT1 Glycols
NT2 Benzopinacol
NT2 Butanediols
NT2 Carbitols
NT2 Cellosolves
NT2 EGTA
NT2 Pinacol
NT2 Polyethylene Glycols
NT3 Carbowax
NT3 Pluronics
NT1 Hexanols
NT1 Methanol
NT1 Metronidazole
NT1 Octanols
NT1 Pentanols
NT1 Propanols
NT1 PVA
RT Acetals
RT Alcohol Fuels
RT Alkoxides
RT Gasohol

ALDEHYDE-LYASES
(Code Number 4.1.2.)
DA January 12, 1981
BT1 Carbon-Carbon Lyases
BT2 Lyases
BT3 Enzymes
BT4 Proteins
BT5 Organic Compounds

ALDEHYDES [01]
DA December 1, 1974
UF+ *Aldehydo Acids*
BT1 Organic Compounds
NT1 Acetaldehyde
NT1 Acrolein
NT1 Aldosterone
NT1 Arabinose
NT1 Benzaldehyde
NT1 Chloral
NT1 Deoxyribose
NT1 Formaldehyde
NT1 Furfural
NT1 Galactose
NT1 Galacturonic Acid
NT1 Glucose
NT1 Glucuronic Acid
NT1 Glyoxal
NT1 Glyoxylic Acid
NT1 Mannose
NT1 Pyridoxal
NT1 Ribose
NT1 Xylose
RT Acetals
RT Hydrazones
RT Imines
RT Lyases
RT Oximes
RT Semicarbazones

Aldehydo Acids
DA December 1, 1974
USE Aldehydes
AND Carboxylic Acids

ALDER-WINTER THEORY [01]
DA December 1, 1974
RT Angular Distribution

Aldermaston Reactor Merlin
DA December 1, 1974
USE Merlin Reactor

Aldolase
(From January 1981 to October 1990 this was a valid descriptor. Use ALDOLASES for this concept.)
DA January 30, 1981
USE Aldolases

ALDOLASES [01]
(From January 1981 to October 1990, this was an invalid descriptor and material was indexed to ALDOLASE.)
DA December 1, 1974
UF *Aldolase*
BT1 Carbon-Carbon Lyases
BT2 Lyases
BT3 Enzymes
BT4 Proteins
BT5 Organic Compounds

ALDOSTERONE [01]
DA December 1, 1974
BT1 Aldehydes
BT2 Organic Compounds
BT1 Mineralocorticoids
BT2 Corticosteroids
BT3 Adrenal Hormones
BT4 Hormones
BT3 Hydroxy Compounds
BT4 Organic Compounds
BT3 Ketones
BT4 Organic Compounds
BT3 Pregnanes
BT4 Steroids
BT5 Organic Compounds
BT3 Steroid Hormones
BT4 Hormones
RT Tubules

ALDRIN [01]
DA August 4, 1976
BT1 Chlorinated Aromatic Hydrocarbons
BT2 Halogenated Aromatic Hydrocarbons
BT3 Aromatics
BT4 Organic Compounds
BT3 Organic Halogen Compounds
BT4 Organic Compounds
BT2 Organic Chlorine Compounds
BT3 Organic Halogen Compounds
BT4 Organic Compounds
BT1 Insecticides
BT2 Pesticides

ALEUTIAN ISLANDS [01]
DA December 1, 1974
BT1 Islands
NT1 Amchitka Island Area
RT Alaska
RT Bering Sea
RT Nuclear Explosions
RT Pacific Ocean

ALFALFA [01]
DA December 1, 1974
BT1 Leguminosae
BT2 Magnoliopsida
BT3 Magnoliophyta
BT4 Plants

ALFVEN WAVES [01]
DA December 1, 1974
BT1 Hydromagnetic Waves
RT Plasma Waves

ALGAE [01]
DA December 1, 1974
BT1 Plants
NT1 Chlorophycota
NT2 Acetabularia
NT2 Chlamydomonas
NT2 Chlorella
NT2 Nitella
NT2 Scenedesmus
NT1 Chromophycota
NT2 Diatoms
NT2 Fucus
NT2 Laminaria
NT1 Lichens
NT1 Rhodophycota
NT2 Porphyra
NT1 Ulva
NT1 Unicellular Algae
NT2 Chlamydomonas
NT2 Chlorella
NT2 Euglena
NT2 Scenedesmus
RT Aquatic Organisms
RT Biological Fouling
RT Eutrophication
RT Phycobilisomes
RT Phytoplankton

ALGEBRA [01]
DA December 1, 1974
BT1 Mathematics
RT Cobordism Theory
RT Graded Lie Groups

ALGEBRAIC CURRENTS [01]
DA December 1, 1974
UF *Currents (Algebraic)*
BT1 Currents
NT1 Axial-Vector Currents
NT1 Charged Currents
NT2 Weak Charged Currents
NT1 Neutral Currents
NT2 Weak Neutral Currents
NT1 Second-Class Currents
NT1 Vector Currents
RT Current Algebra
RT Current Commutators
RT Current Divergences

ALGEBRAIC FIELD THEORY [01]
DA March 8, 1978
UF *Haag-Araki Field Theory*
BT1 Axiomatic Field Theory
BT2 Quantum Field Theory
BT3 Field Theories

ALGERIA [01]
DA December 1, 1974
BT1 Africa
BT1 Arab Countries
BT1 Developing Countries
RT OAPEC
RT OPEC

ALGINATES [01]
DA December 1, 1974
RT Laminaria

ALGINIC ACID [01]
DA December 1, 1974
BT1 Colloids
BT2 Dispersions
BT1 Polysaccharides
BT2 Saccharides
BT3 Carbohydrates
BT4 Organic Compounds
RT Carboxylic Acids

ALGOL [01]
DA December 1, 1974
BT1 Programming Languages

ALGORITHMS [01]
DA December 1, 1974
BT1 Mathematical Logic
RT Computer Codes
RT Data-Flow Processing
RT Mathematics
RT Parallel Processing
RT Vector Processing

ALICE [01]
DA December 1, 1974
BT1 Magnetic Mirrors
BT2 Open Plasma Devices
BT3 Thermonuclear Devices

ALICE CYCLOTRON [01]
DA December 1, 1974
UF *Orsay Alice Cyclotron*
BT1 Isochronous Cyclotrons
BT2 Cyclotrons
BT3 Cyclic Accelerators
BT4 Accelerators

ALIGNED COUPLING SCHEME [01]
DA December 1, 1974
UF *Stretch Model*
RT Coupling
RT Deformed Nuclei
RT Particle-Hole Model
RT Projection Operators
RT Shell Models
RT Slater Method

ALIGNMENT [01]
(Not for NUCLEAR ALIGNMENT.)
DA December 1, 1974
RT Beam Optics
RT Positioning

ALIZARIN [01]
DA December 1, 1974
UF *1,2-Dihydroxyanthraquinone*
UF *Anthraquinonic Acid*
BT1 Anthraquinones
BT2 Quinones
BT3 Aromatics
BT4 Organic Compounds
BT3 Organic Oxygen Compounds
BT4 Organic Compounds
BT1 Dyes
BT1 Hydroxy Compounds
BT2 Organic Compounds
BT1 Reagents

ALKALI GABBROS
DA August 12, 1980
BT1 Plutonic Rocks
BT2 Igneous Rocks
BT3 Rocks

ALKALI METAL COMPLEXES [01]
DA December 1, 1974
BT1 Complexes
NT1 Cesium Complexes
NT1 Francium Complexes
NT1 Potassium Complexes
NT1 Rubidium Complexes
NT1 Sodium Complexes

ALKALI METAL COMPOUNDS [01]
DA December 1, 1974
* **NT1** Cesium Compounds
* **NT1** Francium Compounds
* **NT1** Lithium Compounds
* **NT1** Potassium Compounds
* **NT1** Rubidium Compounds
* **NT1** Sodium Compounds

ALKALI METAL ISOTOPES
DA October 13, 1976
BT1 Isotopes
* **NT1** Cesium Isotopes
* **NT1** Francium Isotopes
* **NT1** Lithium Isotopes
* **NT1** Potassium Isotopes
* **NT1** Rubidium Isotopes
* **NT1** Sodium Isotopes

ALKALI METALS [01]
DA December 1, 1974
BT1 Metals
BT2 Elements
NT1 Cesium
NT1 Francium
NT1 Lithium
NT1 Potassium
NT1 Rubidium
NT1 Sodium

ALKALINE EARTH ISOTOPES
DA October 13, 1976
BT1 Isotopes
* **NT1** Barium Isotopes
* **NT1** Beryllium Isotopes
* **NT1** Calcium Isotopes
* **NT1** Magnesium Isotopes
* **NT1** Radium Isotopes
* **NT1** Strontium Isotopes

ALKALINE EARTH METAL COMPLEXES [01]
DA December 1, 1974
BT1 Complexes
NT1 Barium Complexes
NT1 Beryllium Complexes
NT1 Calcium Complexes
NT1 Magnesium Complexes
NT1 Radium Complexes
NT1 Strontium Complexes

ALKALINE EARTH METAL COMPOUNDS [01]
DA December 1, 1974
* **NT1** Barium Compounds
* **NT1** Beryllium Compounds
* **NT1** Calcium Compounds
* **NT1** Magnesium Compounds
* **NT1** Radium Compounds
* **NT1** Strontium Compounds

ALKALINE EARTH METALS [01]
DA December 1, 1974
BT1 Metals
BT2 Elements
NT1 Barium
NT1 Beryllium
NT2 Beryllium-Alpha
NT2 Beryllium-Beta
NT1 Calcium
NT1 Magnesium
NT1 Radium
NT1 Strontium

ALKALINE ELECTROLYTE FUEL CELLS [01]
DA April 12, 1989
BT1 Fuel Cells
BT2 Direct Energy Converters
BT2 Electrochemical Cells

Alkaline Flooding
DA July 6, 1981
USE Caustic Flooding

ALKALINE HYDROLYSIS
DA January 15, 1980
BT1 Hydrolysis
BT2 Lysis
BT2 Solvolysis
BT3 Decomposition
BT4 Chemical Reactions
RT Acid Hydrolysis
RT Enzymatic Hydrolysis

ALKALINE PHOSPHATASE [01]
(Code number 3.1.3.1.)
DA December 1, 1974
BT1 Phosphatases
BT2 Esterases
BT3 Hydrolases
BT4 Enzymes
BT5 Proteins
BT6 Organic Compounds

Alkalinity
DA August 6, 1984
USE Acid Neutralizing Capacity

Alkalis
DA June 6, 1979
USE Hydroxides

ALKALIZED ALUMINA PROCESS
DA December 22, 1977
BT1 Desulfurization
BT2 Chemical Reactions
RT Waste Processing
DEF SOx is adsorbed on alkalized alumina, the spent adsorbent regenerated at 1200°F with producer gas.

ALKALOIDS [01]
DA December 1, 1974
BT1 Organic Compounds
NT1 Atropine
NT1 Cinchonine
NT1 Cocaine
NT1 Codeinone
NT1 Colchicine
NT1 Ephedrine
NT1 Ergotamine
NT1 Eserine
NT1 Hyoscyamine
NT1 Lysergic Acid
NT1 Morphine
NT2 Codeine
NT2 Heroin
NT2 Thebaine
NT1 Nicotine
NT1 Oncovin
NT1 Pilocarpine
NT1 Quinine
NT1 Reserpine
NT1 Strychnine
NT1 Vinblastine
RT Leukocytin
RT Medicinal Plants
RT Plants

ALKANES [01]
DA December 1, 1974
UF *Paraffins*
BT1 Hydrocarbons
BT2 Organic Compounds
NT1 2-2-Dimethylpropane
NT1 2-Methylbutane
NT1 2-Methylpropane
NT1 Butane
NT1 Cycloalkanes
NT2 Adamantane
NT2 Condensed Cycloalkanes
NT2 Cyclohexane
NT2 Decalin
NT1 Decane
NT1 Dodecane
NT1 Ethane
NT1 Heptane
NT1 Hexadecane
NT1 Hexane
NT1 Methane
NT1 Octane
NT1 Paraffin
NT1 Pentane
NT1 Propane
NT1 Squalane

Alkanoic Acids
DA December 1, 1974
USE Carboxylic Acids

ALKAZID PROCESS
DA January 24, 1975
BT1 Desulfurization
BT2 Chemical Reactions
DEF Process for the selective absorption of H_2S and for the simultaneous removal of H_2S and CO_2 at atmospheric or higher pressures.

ALKENES [01]
DA December 1, 1974
UF *Olefins*
BT1 Hydrocarbons
BT2 Organic Compounds
NT1 2-Methylpropene
NT1 Butenes
NT1 Cycloalkenes
NT2 Camphene
NT2 Cyclopentadiene
NT2 Norbornadiene
NT2 Quadricyclene
NT1 Ethylene
NT1 Heptenes
NT1 Hexenes
NT1 Octenes
NT1 Pentenes
NT1 Propylene
RT Polyenes

Alkenoic Acids
DA December 1, 1974
USE Carboxylic Acids

Alkines
DA December 1, 1974
USE Alkynes

ALKOXIDES [01]
DA August 4, 1981
UF *Alcoholates*
RT Alcohols
RT Phenols
DEF A group of compounds in which a hydrogen atom of an alcohol or phenol hydroxide group is replaced by a metal.

ALKOXY RADICALS [01]
DA December 1, 1974
BT1 Radicals
NT1 Butoxy Radicals
NT1 Ethoxy Radicals
NT1 Methoxy Radicals

Alkyl Benzenesulfonates
DA December 1, 1974
USE ABS

ALKYL RADICALS [01]
DA December 1, 1974
BT1 Radicals
NT1 Allyl Radicals
NT1 Butyl Radicals
NT1 Dodecyl Radicals
NT1 Ethyl Radicals
NT1 Heptyl Radicals
NT1 Hexyl Radicals
NT1 Isobutyl Radicals
NT1 Isopropyl Radicals
NT1 Methyl Radicals
NT1 Nonyl Radicals
NT1 Octyl Radicals
NT1 Pentyl Radicals
NT1 Propargyl Radicals
NT1 Propyl Radicals
NT1 Tridecyl Radicals
NT1 Vinyl Radicals
RT Alkylation

ALKYLATED AROMATICS [01]
DA July 20, 1984
BT1 Aromatics
BT2 Organic Compounds
NT1 Mesitylene
NT1 Methylnaphthalenes
NT1 Styrene
NT1 Toluene
NT1 Xylenes
NT2 Xylene-Para
DEF Aromatic compounds which have one or more alkyl side chains, including isomers and mixtures.

Alkylates
DA December 1, 1974
USE Alcohols

ALKYLATING AGENTS [01]
DA December 1, 1974
UF *Mannomustine*
UF *TEM*
UF *Tretamine*
UF *Triethylenemelamine*
NT1 Endoxan
NT1 Myleran
NT1 Nitrogen Mustard
RT Alkylation
RT Antimetabolites
RT Antimitotic Drugs
RT Antineoplastic Drugs
RT Chemosterilants

ALKYLATION [01]
DA December 1, 1974
BT1 Chemical Reactions
RT Alkyl Radicals
RT Alkylating Agents

Alkylmagnesium Compounds
DA December 1, 1974
USE Grignard Reagents

ALKYNES [01]
DA December 1, 1974
UF *Acetylenes*
UF *Alkines*
BT1 Hydrocarbons
BT2 Organic Compounds
NT1 Acetylene
NT1 Cycloalkynes
NT1 Propyne

ALLANITE [01]
DA December 1, 1974
BT1 Silicate Minerals
BT2 Minerals
BT1 Thorium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
NT1 Orthite
RT Thorium Silicates

ALLANTOIN [01]
DA December 1, 1974
BT1 Imidazoles
BT2 Azoles
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
BT1 Organic Oxygen Compounds
BT2 Organic Compounds
RT Urea

ALLEGHENY RIVER [01]
DA December 1, 1974
BT1 Rivers
BT2 Streams
BT3 Surface Waters
RT New York
RT Pennsylvania

ALLENE [01]
DA December 1, 1974
UF *Propadiene*
BT1 Dienes
BT2 Polyenes
BT3 Hydrocarbons
BT4 Organic Compounds

ALLENS CREEK-1 REACTOR [01]
(Wallis, Texas, USA)
DA December 1, 1974
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

ALLENS CREEK-2 REACTOR [01]
(Wallis, Texas, USA)
DA December 1, 1974
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

ALLERGY [01]
DA December 1, 1974
BT1 Pathological Changes
RT Anaphylaxis
RT Antihistaminics
RT Eczema
RT Histamine
RT Immune System Diseases
RT Immunity

ALLIGATORS [01]
DA March 4, 1977
BT1 Reptiles
BT2 Vertebrates
BT3 Animals

ALLIUM CEPA [01]
DA December 1, 1974
BT1 Onions
BT2 Liliopsida
BT3 Magnoliophyta
BT4 Plants
BT2 Vegetables
BT3 Food
BT3 Plants

→**ALLIUM SATIVUM [01]**
DA September 16, 1992
BT1 Liliopsida
BT2 Magnoliophyta
BT3 Plants
RT Bulbs
RT Garlic

ALLOCATIONS [01]
DA February 6, 1975
UF *Assignments*
UF *Curtailments*
UF *Rationing*
RT Availability
RT Budgets
RT Distribution
RT Economic Policy
RT Emergency Petroleum Allocation Act
RT Energy Policy
RT Entitlements Program
RT Management
RT Planning
RT Shortages

ALLOTROPY [01]
(See also specific allotropic forms such as HELIUM I, IRON-ALPHA, and URANIUM-BETA.)
DA December 1, 1974
RT Crystal Structure
RT Phase Diagrams
RT Phase Transformations

Allowance for funds used during construction
DA November 14, 1978
USE AFUDC

ALLOXAN [01]
DA December 1, 1974
BT1 Organic Oxygen Compounds
BT2 Organic Compounds
BT1 Pyrimidines
BT2 Azines
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds

Alloy-0KH12N13M
(Prior to 1989 this was a valid descriptor.)
DA December 1, 1974
SEE Chromium Alloys
OR Iron Base Alloys

Alloy-0N70mf
DA May 29, 1979
USE Alloy-EhP-496

Alloy-50Kh4N6G12F2V
(Prior to 1989 this was a valid descriptor.)
DA June 21, 1979
USE Chromium Alloys

Alloy-60T
(Prior to 1989 this was a valid descriptor.)
DA December 1, 1974
USE Titanium Base Alloys

Alloy-79NM
(Prior to 1989 this was a valid descriptor.)
DA May 29, 1979
USE Nickel Base Alloys

Alloy-214X
(Prior to 1989 this was a valid descriptor.)
DA January 20, 1975
USE Aluminium Base Alloys

Alloy-713-LC
DA December 1, 1974
USE Inconel 713LC

Alloy 800
DA September 11, 1978
USE Incoloy 800

Alloy 800H
DA February 23, 1982
USE Incoloy 800H

Alloy-1915
(Prior to 1989 this was a valid descriptor.)
DA May 29, 1979
USE Aluminium Base Alloys

ALLOY-A-286
DA December 1, 1974
BT1 Steel-Ni26Cr15Ti2MoVAlB
BT2 Aluminium Additions

BT3 Aluminium Alloys
BT4 Alloys
BT2 Austenitic Steels
BT3 Steels
BT4 Iron Base Alloys
BT5 Iron Alloys
BT6 Alloys
BT2 Boron Additions
BT3 Boron Alloys
BT4 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Vanadium Additions
BT3 Vanadium Alloys
BT4 Alloys

ALLOY-AL95CU4 [01]
DA November 22, 1983
BT1 Aluminium Base Alloys
BT2 Aluminium Alloys
BT3 Alloys
BT1 Copper Alloys
BT2 Alloys
BT1 Iron Additions
BT2 Iron Alloys
BT3 Alloys
BT1 Magnesium Additions
BT2 Magnesium Alloys
BT3 Alloys
BT1 Manganese Additions
BT2 Manganese Alloys
BT3 Alloys
BT1 Silicon Additions
BT2 Silicon Alloys
BT3 Alloys
NT1 Duralumin

Alloy-B-66
(Prior to 1989 this was a valid descriptor.)
DA January 20, 1975
USE Niobium Base Alloys

Alloy-B-88
(Prior to 1989 this was a valid descriptor.)
DA January 20, 1975
USE Niobium Base Alloys

ALLOY-B-1900 [01]
DA January 20, 1975
BT1 Aluminium Alloys
BT2 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Cobalt Alloys
BT2 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Nickel Base Alloys
BT2 Nickel Alloys
BT3 Alloys
BT1 Tantalum Alloys
BT2 Alloys
BT1 Titanium Alloys
BT2 Alloys

ALLOY-BI50PB25CD12SN12 [01]
DA November 23, 1983
BT1 Bismuth Base Alloys
BT2 Bismuth Alloys
BT3 Alloys
BT1 Cadmium Alloys
BT2 Alloys
BT1 Lead Alloys
BT2 Alloys
BT1 Tin Alloys
BT2 Alloys
NT1 Wood Metal

ALLOY-C-103 [01]
DA January 20, 1975
BT1 Hafnium Alloys
BT2 Alloys
BT1 Niobium Base Alloys
BT2 Niobium Alloys
BT3 Alloys
BT1 Tantalum Alloys
BT2 Alloys
BT1 Titanium Alloys
BT2 Alloys
BT1 Tungsten Alloys
BT2 Alloys
BT1 Yttrium Alloys
BT2 Alloys
BT1 Zirconium Alloys
BT2 Alloys

Alloy-C-129Y
(Prior to 1989 this was a valid descriptor.)
DA May 15, 1975
USE Niobium Base Alloys

Alloy-CB-1
(Prior to 1989 this was a valid descriptor.)
DA February 6, 1975
USE Niobium Base Alloys

Alloy-CB-752
(Prior to 1989 this was a valid descriptor.)
DA December 1, 1974
USE Niobium Base Alloys

Alloy-CK-20
DA December 1, 1974
USE Steel-Cr25Ni20

ALLOY-CO36CR22NI22W15FE3 [01]
DA November 22, 1983
BT1 Chromium Alloys
BT2 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Haynes Alloys
BT2 Cobalt Base Alloys
BT3 Cobalt Alloys
BT4 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Iron Alloys
BT2 Alloys
BT1 Lanthanum Additions
BT2 Lanthanum Alloys
BT3 Rare Earth Alloys
BT4 Alloys
BT2 Rare Earth Additions
BT3 Rare Earth Alloys
BT4 Alloys
BT1 Nickel Alloys
BT2 Alloys
BT1 Tungsten Alloys
BT2 Alloys
NT1 Haynes 188 Alloy

ALLOY-CO43CR20FE18NI13W3 [01]
DA January 27, 1984
BT1 Carbon Additions
BT2 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Cobalt Base Alloys
BT2 Cobalt Alloys
BT3 Alloys
BT1 Iron Alloys
BT2 Alloys
BT1 Manganese Alloys
BT2 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Nickel Alloys
BT2 Alloys
BT1 Tungsten Alloys
BT2 Alloys
NT1 HAVAR

ALLOY-CO50FE50 [01]
DA November 22, 1983
BT1 Cobalt Base Alloys
BT2 Cobalt Alloys
BT3 Alloys
BT1 Iron Base Alloys
BT2 Iron Alloys
BT3 Alloys
NT1 Permendur

ALLOY-CO52CR17FE15MO3SI3 [01]
DA November 23, 1983
BT1 Chromium Alloys
BT2 Alloys
BT1 Cobalt Base Alloys
BT2 Cobalt Alloys
BT3 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Iron Alloys
BT2 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Silicon Alloys
BT2 Alloys
NT1 Tribaloy 800

ALLOY-CO52FE35V10 [01]
DA November 23, 1983
BT1 Cobalt Base Alloys
BT2 Cobalt Alloys
BT3 Alloys
BT1 Iron Alloys
BT2 Alloys
BT1 Vanadium Alloys
BT2 Alloys
NT1 Vikalloy 1

ALLOY-CO52FE35V13 [01]
DA November 23, 1983
BT1 Cobalt Base Alloys
BT2 Cobalt Alloys
BT3 Alloys
BT1 Iron Alloys
BT2 Alloys
BT1 Vanadium Alloys
BT2 Alloys
NT1 Vikalloy 2

ALLOY-CO54CR20W15NI10 [01]
DA November 19, 1983
BT1 Chromium Alloys
BT2 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Haynes Alloys
BT2 Cobalt Base Alloys
BT3 Cobalt Alloys
BT4 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Iron Alloys
BT2 Alloys
BT1 Nickel Alloys
BT2 Alloys
BT1 Stellite
BT2 Cobalt Base Alloys
BT3 Cobalt Alloys
BT4 Alloys
BT1 Tungsten Alloys
BT2 Alloys
NT1 Alloy-HS-25
NT1 Haynes 25 Alloy

ALLOY-CO60CR30W4 [01]
DA November 22, 1983
BT1 Chromium Alloys
BT2 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Haynes Alloys
BT2 Cobalt Base Alloys
BT3 Cobalt Alloys
BT4 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Iron Alloys
BT2 Alloys
BT1 Nickel Alloys
BT2 Alloys
BT1 Stellite
BT2 Cobalt Base Alloys
BT3 Cobalt Alloys
BT4 Alloys
BT1 Tungsten Alloys
BT2 Alloys

NT1 Haynes Stellite 6B
NT1 Stellite 6

ALLOY-CO62CR28MO6NI3 [01]
DA November 19, 1983
BT1 Boron Additions
BT2 Boron Alloys
BT3 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Haynes Alloys
BT2 Cobalt Base Alloys
BT3 Cobalt Alloys
BT4 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Iron Alloys
BT2 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Nickel Alloys
BT2 Alloys
BT1 Stellite
BT2 Cobalt Base Alloys
BT3 Cobalt Alloys
BT4 Alloys
NT1 Alloy HS 21
NT1 Haynes Stellite No 21

ALLOY-CO64CR29W4 [01]
DA November 23, 1983
BT1 Chromium Alloys
BT2 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Stellite
BT2 Cobalt Base Alloys
BT3 Cobalt Alloys
BT4 Alloys
BT1 Tungsten Alloys
BT2 Alloys
NT1 Stellite 156

ALLOY-CO66CR26W6 [01]
DA July 10, 1984
BT1 Carbon Additions
BT2 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Stellite
BT2 Cobalt Base Alloys
BT3 Cobalt Alloys
BT4 Alloys
BT1 Tungsten Alloys
BT2 Alloys
NT1 Deloro Stellite 6

ALLOY-CU52NI47 [01]
DA November 22, 1983
BT1 Copper Base Alloys
BT2 Copper Alloys
BT3 Alloys
BT1 Nickel Alloys
BT2 Alloys
NT1 Constantan

ALLOY-D-9
DA August 6, 1984
BT1 Nickel Chromium Steels
BT2 Chromium Alloys
BT3 Alloys
BT2 Nickel Steels
BT3 Nickel Alloys
BT4 Alloys
BT3 Steels
BT4 Iron Base Alloys
BT5 Iron Alloys
BT6 Alloys

Alloy-D-43
(Prior to 1989 this was a valid descriptor.)
DA January 17, 1975
USE Niobium Base Alloys

ALLOY-D-979 [01]
DA December 1, 1974
BT1 Aluminium Alloys
BT2 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Nickel Alloys
BT2 Alloys
BT1 Titanium Alloys
BT2 Alloys
BT1 Tungsten Alloys
BT2 Alloys

Alloy-DH 245
(Prior to 1989 this was a valid descriptor.)
DA January 20, 1975
USE Niobium Base Alloys

Alloy Ehl 183
DA May 29, 1979
USE Steel Cr17Ni13Mo3Ti

Alloy Ehl 397
DA May 29, 1979
USE Steel Cr17Ni13Mo3Ti

Alloy Ehl 432
DA May 29, 1979
USE Steel Cr17Ni13Mo3Ti

Alloy Ehl 437B
DA December 1, 1974
USE Alloy Ni77Cr20Ti2
DEF Prior to March 1989 this was a valid descriptor

Alloy Ehl 702
DA May 29, 1979
USE Alloy Ni77Cr20Ti2

Alloy Ehl 826
(Prior to February 1989 this was a valid descriptor.)
DA December 1, 1974
USE Alloy Ni68Cr15W6Al3Mo3Fe2

Alloy Ehl 868
(Prior to March 1989 this was a valid descriptor.)
DA May 29, 1979
USE Alloy Ni60Cr25W15

Alloy EhP 199
(Prior to March 1989 this was a valid descriptor.)
DA July 6, 1978
USE Alloy Ni56Cr21W10Mo5Fe4Al2

ALLOY-EHP-496 [01]
DA May 29, 1979
UF *Alloy-0N70mf*
BT1 Carbon Additions
BT2 Alloys
BT1 Iron Alloys
BT2 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Nickel Base Alloys
BT2 Nickel Alloys
BT3 Alloys
BT1 Vanadium Alloys
BT2 Alloys

Alloy EhP 567
(Prior to March 1989 this was a valid descriptor.)
DA May 29, 1979
USE Alloy Ni65Mo16Cr15W4

ALLOY-FE31CR21CO20NI20MO3W2 [01]
DA November 19, 1983
UF *HD 556*
BT1 Carbon Additions
BT2 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Cobalt Alloys
BT2 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Iron Base Alloys
BT2 Iron Alloys
BT3 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Nickel Alloys
BT2 Alloys
BT1 Niobium Additions
BT2 Niobium Alloys
BT3 Alloys
BT1 Nitrogen Additions
BT2 Alloys
BT1 Tungsten Alloys
BT2 Alloys
NT1 Alloy HD 556
NT1 Alloy N 155

ALLOY-FE36NI33CR26 [01]
DA November 22, 1983
BT1 Chromium Alloys
BT2 Alloys
BT1 Iron Base Alloys
BT2 Iron Alloys
BT3 Alloys
BT1 Manganese Alloys
BT2 Alloys
BT1 Nickel Alloys
BT2 Alloys
BT1 Niobium Additions
BT2 Niobium Alloys
BT3 Alloys
BT1 Silicon Alloys
BT2 Alloys

ALLOY-FE40NI35CR22 [01]
DA November 22, 1983
BT1 Chromium Alloys
BT2 Alloys
BT1 Iron Base Alloys
BT2 Iron Alloys
BT3 Alloys
BT1 Manganese Additions
BT2 Manganese Alloys
BT3 Alloys
BT1 Nickel Alloys
BT2 Alloys
BT1 Silicon Additions
BT2 Silicon Alloys
BT3 Alloys

ALLOY-FE44NI33CR21 [01]
DA November 22, 1983
BT1 Aluminium Additions
BT2 Aluminium Alloys
BT3 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Cobalt Alloys
BT2 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Incoloy Alloys
BT2 Alloys
BT1 Iron Base Alloys
BT2 Iron Alloys
BT3 Alloys
BT1 Nickel Alloys
BT2 Alloys
BT1 Titanium Additions
BT2 Titanium Alloys
BT3 Alloys
NT1 Incoloy 800H

ALLOY-FE46NI33CR21 [01]
DA November 22, 1983
BT1 Aluminium Additions
BT2 Aluminium Alloys
BT3 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Incoloy Alloys
BT2 Alloys
BT1 Iron Base Alloys
BT2 Iron Alloys
BT3 Alloys
BT1 Nickel Alloys
BT2 Alloys
BT1 Titanium Additions
BT2 Titanium Alloys
BT3 Alloys
NT1 Incoloy 800
NT1 Incoloy 802
NT1 Sanicro 30

ALLOY-FE48CR24NI24 [01]
DA November 19, 1983
BT1 Aluminium Additions
BT2 Aluminium Alloys
BT3 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Iron Base Alloys
BT2 Iron Alloys
BT3 Alloys
BT1 Molybdenum Additions
BT2 Molybdenum Alloys
BT3 Alloys
BT1 Nickel Alloys
BT2 Alloys
BT1 Niobium Alloys
BT2 Alloys
NT1 Alloy-IN-519

ALLOY-FE53NI29CO18 [01]
DA November 22, 1983
BT1 Cobalt Alloys
BT2 Alloys
BT1 Iron Base Alloys
BT2 Iron Alloys
BT3 Alloys
BT1 Manganese Additions
BT2 Manganese Alloys
BT3 Alloys
BT1 Nickel Alloys
BT2 Alloys

Alloy-FS-85
(Prior to 1989 this was a valid descriptor.)
DA December 1, 1974
USE Niobium Base Alloys

Alloy-GE
(Prior to 1989 this was a valid descriptor.)
DA December 1, 1974
USE Copper Alloys
AND Silver Alloys

Alloy-GMR-235
(Prior to 1989 this was a valid descriptor.)
DA December 1, 1974
USE Nickel Base Alloys

ALLOY-HD-556
DA August 9, 1979
BT1 Alloy-Fe31Cr21Co20Ni20Mo3W2
BT2 Carbon Additions
BT3 Alloys
BT2 Chromium Alloys
BT3 Alloys
BT2 Cobalt Alloys
BT3 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Iron Base Alloys
BT3 Iron Alloys
BT4 Alloys
BT2 Molybdenum Alloys
BT3 Alloys
BT2 Nickel Alloys
BT3 Alloys
BT2 Niobium Additions
BT3 Niobium Alloys
BT4 Alloys
BT2 Nitrogen Additions
BT3 Alloys
BT2 Tungsten Alloys
BT3 Alloys

Alloy-HD-8077
DA August 9, 1979
USE Nickel Base Alloys

ALLOY-HK-40
DA August 9, 1979
BT1 Steel-Cr25Ni20
BT2 Austenitic Steels
BT3 Steels
BT4 Iron Base Alloys
BT5 Iron Alloys
BT6 Alloys
BT2 Chromium-Nickel Steels
BT3 Chromium Alloys
BT4 Alloys
BT3 Nickel Alloys
BT4 Alloys
BT3 Stainless Steels
BT4 High Alloy Steels
BT5 Steels
BT6 Iron Base Alloys
BT7 Iron Alloys
BT8 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials

Alloy-HS-6
DA January 30, 1979
USE Stellite 6

ALLOY-HS-21
DA December 1, 1974
BT1 Alloy-Co62Cr28Mo6Ni3
BT2 Boron Additions
BT3 Boron Alloys
BT4 Alloys
BT2 Chromium Alloys
BT3 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Haynes Alloys
BT3 Cobalt Base Alloys
BT4 Cobalt Alloys
BT5 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Iron Alloys
BT3 Alloys
BT2 Molybdenum Alloys
BT3 Alloys
BT2 Nickel Alloys
BT3 Alloys
BT2 Stellite
BT3 Cobalt Base Alloys
BT4 Cobalt Alloys
BT5 Alloys

ALLOY-HS-25
DA December 1, 1974
BT1 Alloy-Co54Cr20W15Ni10
BT2 Chromium Alloys
BT3 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Haynes Alloys
BT3 Cobalt Base Alloys
BT4 Cobalt Alloys
BT5 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Iron Alloys
BT3 Alloys
BT2 Nickel Alloys
BT3 Alloys
BT2 Stellite
BT3 Cobalt Base Alloys
BT4 Cobalt Alloys
BT5 Alloys
BT2 Tungsten Alloys
BT3 Alloys

ALLOY-HS-31 [01]
DA December 1, 1974
UF *Alloy-X-40*
UF *X 40 (Alloy)*
BT1 Carbon Additions
BT2 Alloys
BT1 Iron Alloys
BT2 Alloys
BT1 Manganese Additions
BT2 Manganese Alloys
BT3 Alloys
BT1 Nickel Alloys
BT2 Alloys
BT1 Silicon Additions
BT2 Silicon Alloys
BT3 Alloys
BT1 Stellite
BT2 Cobalt Base Alloys
BT3 Cobalt Alloys
BT4 Alloys

ALLOY-HT-9
DA February 15, 1978
BT1 Steel-Cr12MoV
BT2 Chromium Steels
BT3 Chromium Alloys
BT4 Alloys
BT3 Stainless Steels
BT4 High Alloy Steels
BT5 Steels
BT6 Iron Base Alloys
BT7 Iron Alloys
BT8 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Martensitic Steels
BT3 Steels
BT4 Iron Base Alloys
BT5 Iron Alloys
BT6 Alloys
BT2 Molybdenum Additions
BT3 Molybdenum Alloys
BT4 Alloys
BT2 Vanadium Additions
BT3 Vanadium Alloys
BT4 Alloys

ALLOY-IN-100
DA December 1, 1974
BT1 Alloy-Ni60Co15Cr10Al6Ti5Mo3
BT2 Aluminium Alloys
BT3 Alloys
BT2 Boron Additions
BT3 Boron Alloys
BT4 Alloys
BT2 Carbon Additions
BT3 Alloys
BT2 Chromium Alloys
BT3 Alloys
BT2 Cobalt Alloys
BT3 Alloys
BT2 Copper Additions
BT3 Copper Alloys
BT4 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Inconel Alloys

BT3 Nickel Base Alloys
BT4 Nickel Alloys
BT5 Alloys
BT2 Iron Additions
BT3 Iron Alloys
BT4 Alloys
BT2 Molybdenum Alloys
BT3 Alloys
BT2 Titanium Alloys
BT3 Alloys
BT2 Vanadium Additions
BT3 Vanadium Alloys
BT4 Alloys
BT2 Zirconium Additions
BT3 Zirconium Alloys
BT4 Alloys

ALLOY-IN-102 [01]
DA December 1, 1974
BT1 Aluminium Additions
BT2 Aluminium Alloys
BT3 Alloys
BT1 Boron Additions
BT2 Boron Alloys
BT3 Alloys
BT1 Carbon Additions
BT2 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Iron Alloys
BT2 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Nickel Base Alloys
BT2 Nickel Alloys
BT3 Alloys
BT1 Niobium Alloys
BT2 Alloys
BT1 Titanium Additions
BT2 Titanium Alloys
BT3 Alloys
BT1 Tungsten Alloys
BT2 Alloys
BT1 Zirconium Additions
BT2 Zirconium Alloys
BT3 Alloys

ALLOY-IN-519
DA August 9, 1979
UF *IN 519*
BT1 Alloy-Fe48Cr24Ni24
BT2 Aluminium Additions
BT3 Aluminium Alloys
BT4 Alloys
BT2 Chromium Alloys
BT3 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Iron Base Alloys
BT3 Iron Alloys
BT4 Alloys
BT2 Molybdenum Additions
BT3 Molybdenum Alloys
BT4 Alloys
BT2 Nickel Alloys
BT3 Alloys
BT2 Niobium Alloys
BT3 Alloys

ALLOY-IN-643
DA October 23, 1979
BT1 Alloy-Ni47Cr25Co12W9Fe3
BT2 Chromium Alloys
BT3 Alloys
BT2 Cobalt Alloys
BT3 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Inconel Alloys
BT3 Nickel Base Alloys
BT4 Nickel Alloys
BT5 Alloys
BT2 Iron Alloys
BT3 Alloys
BT2 Molybdenum Additions
BT3 Molybdenum Alloys
BT4 Alloys
BT2 Niobium Alloys
BT3 Alloys
BT2 Titanium Additions
BT3 Titanium Alloys
BT4 Alloys
BT2 Tungsten Alloys
BT3 Alloys
BT2 Zirconium Additions
BT3 Zirconium Alloys
BT4 Alloys

ALLOY-IN-738
DA March 29, 1980
BT1 Alloy-Ni61Cr16Co9Al3Ti3W3
BT2 Aluminium Alloys
BT3 Alloys
BT2 Boron Additions
BT3 Boron Alloys
BT4 Alloys
BT2 Chromium Alloys
BT3 Alloys
BT2 Cobalt Alloys
BT3 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Inconel Alloys
BT3 Nickel Base Alloys
BT4 Nickel Alloys
BT5 Alloys
BT2 Molybdenum Alloys
BT3 Alloys
BT2 Niobium Additions
BT3 Niobium Alloys
BT4 Alloys
BT2 Tantalum Alloys
BT3 Alloys
BT2 Titanium Alloys
BT3 Alloys
BT2 Tungsten Alloys
BT3 Alloys
BT2 Zirconium Additions
BT3 Zirconium Alloys
BT4 Alloys

ALLOY-IN-853 [01]
DA January 20, 1975
UF *Inconel MA 753*
BT1 Aluminium Alloys
BT2 Alloys
BT1 Nickel Base Alloys
BT2 Nickel Alloys
BT3 Alloys
BT1 Titanium Alloys
BT2 Alloys
BT1 Yttrium Oxides
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT2 Yttrium Compounds
BT3 Transition Element Compounds

ALLOY-IN-939
DA February 11, 1982
BT1 Alloy-Ni46Cr23Co19Ti5Al4
BT2 Aluminium Alloys
BT3 Alloys
BT2 Boron Additions
BT3 Boron Alloys
BT4 Alloys
BT2 Chromium Alloys
BT3 Alloys
BT2 Cobalt Alloys
BT3 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Inconel Alloys
BT3 Nickel Base Alloys
BT4 Nickel Alloys
BT5 Alloys
BT2 Iron Additions
BT3 Iron Alloys
BT4 Alloys
BT2 Niobium Additions
BT3 Niobium Alloys
BT4 Alloys
BT2 Tantalum Alloys
BT3 Alloys
BT2 Titanium Alloys
BT3 Alloys
BT2 Zirconium Additions
BT3 Zirconium Alloys
BT4 Alloys

Alloy-Kh20N80
(Prior to March 1989 this was a valid descriptor.)
DA December 1, 1974
USE Alloy-Ni80Cr20

Alloy-Kh20N80T
(Prior to 1989 this was a valid descriptor.)
DA December 1, 1974
USE Nickel Base Alloys

ALLOY-KHN50MBVYU [01]
DA June 21, 1979
BT1 Aluminium Alloys
BT2 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Iron Alloys
BT2 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Niobium Alloys
BT2 Alloys
BT1 Tungsten Alloys
BT2 Alloys

Alloy-KhN60B
(Prior to March 1989 this was a valid descriptor.)
DA May 29, 1979
USE Alloy-Ni60Cr25W15

Alloy-KhN60MKBYuT
(Prior to March 1989 this was a valid descriptor.)
DA May 29, 1979
USE Alloy-Ni60Mo13Co9Cr8Nb4Al3

Alloy-KhN60V
DA May 29, 1979
USE Alloy-Ni60Cr25W15

Alloy-KhN67VMTYu
(Prior to March 1989 this was a valid descriptor.)
DA May 29, 1979
USE Alloy-Ni67Cr19Mo5W5Ti3

Alloy-KhN77TYu
DA May 29, 1979
USE Nickel Base Alloys

Alloy-KhN77TYuR
DA December 1, 1974
USE Alloy-Ni77Cr20Ti2

Alloy-KhN78T
DA April 4, 1975
USE Alloy-Ni78Cr21

Alloy-L-605
(Prior to 1989 this was a valid descriptor.)
DA January 20, 1975
USE Cobalt Base Alloys

Alloy-M-252
(Prior to 1989 this was a valid descriptor.)
DA December 1, 1974
USE Nickel Base Alloys

ALLOY-M-813
DA July 23, 1977
BT1 Steel-Ni35Cr18Mo4Ti2Al
BT2 Aluminium Alloys
BT3 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Titanium Alloys

BT3 Alloys
RT Stainless Steels

Alloy-MA-754
DA August 9, 1979
USE Nickel Base Alloys

Alloy-MA-956
DA August 9, 1979
USE Iron Base Alloys

ALLOY-MAR-M246 [01]
DA February 6, 1975
BT1 Aluminium Alloys
BT2 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Cobalt Alloys
BT2 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Nickel Base Alloys
BT2 Nickel Alloys
BT3 Alloys
BT1 Tantalum Alloys
BT2 Alloys
BT1 Titanium Alloys
BT2 Alloys
BT1 Tungsten Alloys
BT2 Alloys

Alloy-MM-0011
DA December 20, 1978
USE Nickel Base Alloys

ALLOY-MN-21
DA December 20, 1978
UF *MN-21*
BT1 Aluminium Alloys
BT2 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Nickel Base Alloys
BT2 Nickel Alloys
BT3 Alloys
BT1 Niobium Alloys
BT2 Alloys
BT1 Tungsten Alloys
BT2 Alloys

ALLOY-MO99 [01]
DA November 19, 1983
UF *Alloy-VM-1*
UF *TZM*
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Molybdenum Base Alloys
BT2 Molybdenum Alloys
BT3 Alloys
BT1 Titanium Additions
BT2 Titanium Alloys
BT3 Alloys
BT1 Zirconium Additions
BT2 Zirconium Alloys
BT3 Alloys
NT1 Alloy-TZM
NT1 Alloy-Zm-2A

ALLOY-MO99B [01]
DA January 27, 1984
UF *Alloy-TsM6*
BT1 Boron Additions
BT2 Boron Alloys
BT3 Alloys
BT1 Molybdenum Base Alloys
BT2 Molybdenum Alloys
BT3 Alloys
BT1 Zirconium Additions
BT2 Zirconium Alloys
BT3 Alloys

ALLOY-MO-RE-1
DA August 9, 1979
UF *Mo-Re 1*
BT1 Chromium Alloys
BT2 Alloys
BT1 Iron Alloys
BT2 Alloys
BT1 Manganese Alloys
BT2 Alloys
BT1 Nickel Alloys
BT2 Alloys
BT1 Silicon Alloys
BT2 Alloys
BT1 Tungsten Alloys
BT2 Alloys

ALLOY-MO-RE-2
DA October 23, 1979
UF *Mo-Re 2*
BT1 Chromium Base Alloys
BT2 Chromium Alloys
BT3 Alloys
BT1 Nickel Base Alloys
BT2 Nickel Alloys
BT3 Alloys
BT1 Tungsten Base Alloys
BT2 Tungsten Alloys
BT3 Alloys

ALLOY-MP35N
DA January 30, 1979
UF *MP35N*
BT1 Chromium Alloys
BT2 Alloys
BT1 Cobalt Alloys
BT2 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Nickel Alloys
BT2 Alloys

ALLOY-N-9M [01]
DA December 1, 1974
BT1 Carbon Additions
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Niobium Base Alloys
BT2 Niobium Alloys
BT3 Alloys
BT1 Zirconium Additions
BT2 Zirconium Alloys
BT3 Alloys

ALLOY-N-10M [01]
DA December 1, 1974
BT1 Carbon Additions
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Niobium Base Alloys
BT2 Niobium Alloys
BT3 Alloys
BT1 Tantalum Additions
BT2 Tantalum Alloys
BT3 Alloys
BT1 Titanium Additions
BT2 Titanium Alloys
BT3 Alloys
BT1 Zirconium Additions
BT2 Zirconium Alloys
BT3 Alloys

ALLOY-N-155
DA December 1, 1974
BT1 Alloy-Fe31Cr21Co20Ni20Mo3W2
BT2 Carbon Additions
BT3 Alloys
BT2 Chromium Alloys
BT3 Alloys
BT2 Cobalt Alloys
BT3 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Iron Base Alloys
BT3 Iron Alloys
BT4 Alloys
BT2 Molybdenum Alloys
BT3 Alloys
BT2 Nickel Alloys
BT3 Alloys
BT2 Niobium Additions
BT3 Niobium Alloys
BT4 Alloys
BT2 Nitrogen Additions
BT3 Alloys
BT2 Tungsten Alloys
BT3 Alloys

ALLOY-N28T3 [01]
DA May 29, 1979
BT1 Carbon Additions
BT2 Alloys
BT1 Manganese Additions
BT2 Manganese Alloys
BT3 Alloys
BT1 Nickel Alloys
BT2 Alloys
BT1 Silicon Additions
BT2 Silicon Alloys
BT3 Alloys
BT1 Titanium Alloys
BT2 Alloys
RT Austenite

ALLOY-N55M20V25 [01]
DA December 1, 1974
BT1 Carbon Additions
BT2 Alloys
BT1 Iron Additions
BT2 Iron Alloys
BT3 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Nickel Base Alloys
BT2 Nickel Alloys
BT3 Alloys
BT1 Silicon Additions
BT2 Silicon Alloys
BT3 Alloys
BT1 Tungsten Alloys
BT2 Alloys
BT1 Vanadium Additions
BT2 Vanadium Alloys
BT3 Alloys

ALLOY-N65M20V15 [01]
DA December 1, 1974
BT1 Carbon Additions
BT2 Alloys
BT1 Iron Additions
BT2 Iron Alloys
BT3 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Nickel Base Alloys
BT2 Nickel Alloys
BT3 Alloys
BT1 Silicon Additions
BT2 Silicon Alloys
BT3 Alloys
BT1 Tungsten Alloys
BT2 Alloys
BT1 Vanadium Additions
BT2 Vanadium Alloys
BT3 Alloys

ALLOY-NB94MO4 [01]
DA November 22, 1983
UF *Alloy-VN-2*
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Niobium Base Alloys
BT2 Niobium Alloys
BT3 Alloys
BT1 Tantalum Additions
BT2 Tantalum Alloys
BT3 Alloys
BT1 Titanium Additions
BT2 Titanium Alloys
BT3 Alloys
BT1 Zirconium Additions
BT2 Zirconium Alloys
BT3 Alloys

ALLOY-NI41FE40CR16NB3 [01]
DA November 22, 1983
BT1 Chromium Alloys
BT2 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Inconel Alloys
BT2 Nickel Base Alloys
BT3 Nickel Alloys
BT4 Alloys
BT1 Iron Alloys
BT2 Alloys
BT1 Niobium Alloys
BT2 Alloys
BT1 Titanium Alloys
BT2 Alloys
NT1 Inconel 706

ALLOY-NI42FE36CR12MO6TI3 [01]
DA November 22, 1983
BT1 Aluminium Additions
BT2 Aluminium Alloys
BT3 Alloys
BT1 Boron Additions
BT2 Boron Alloys
BT3 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Incoloy Alloys
BT2 Alloys
BT1 Iron Alloys
BT2 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Nickel Base Alloys
BT2 Nickel Alloys
BT3 Alloys
BT1 Titanium Alloys
BT2 Alloys
NT1 Incoloy 901

ALLOY-NI43FE30CR22MO3 [01]
DA January 27, 1984
BT1 Aluminium Additions
BT2 Aluminium Alloys
BT3 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Copper Alloys
BT2 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Incoloy Alloys
BT2 Alloys
BT1 Iron Alloys
BT2 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Nickel Base Alloys
BT2 Nickel Alloys
BT3 Alloys
BT1 Titanium Additions
BT2 Titanium Alloys
BT3 Alloys
NT1 Incoloy 825

ALLOY-NI43FE33CR16MO3 [01]
DA November 22, 1983
BT1 Aluminium Alloys
BT2 Alloys
BT1 Boron Additions
BT2 Boron Alloys
BT3 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Cobalt Additions
BT2 Cobalt Alloys
BT3 Alloys
BT1 Copper Additions
BT2 Copper Alloys
BT3 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Iron Alloys
BT2 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Nimonic
BT2 Nickel Base Alloys
BT3 Nickel Alloys
BT4 Alloys
BT1 Titanium Alloys
BT2 Alloys
BT1 Zirconium Additions
BT2 Zirconium Alloys
BT3 Alloys
NT1 Nimonic PE16

ALLOY-NI45CR23FE19CO3MO3W3 [01]
DA January 27, 1984
BT1 Chromium Alloys
BT2 Alloys
BT1 Cobalt Alloys
BT2 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Iron Alloys
BT2 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Nickel Base Alloys
BT2 Nickel Alloys
BT3 Alloys
BT1 Silicon Alloys
BT2 Alloys
BT1 Tungsten Alloys
BT2 Alloys

ALLOY-NI45FE34CR20 [01]
DA November 22, 1983
UF *Steel-Kh20N45B*
BT1 Chromium Alloys
BT2 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Iron Alloys
BT2 Alloys
BT1 Nickel Base Alloys
BT2 Nickel Alloys
BT3 Alloys
BT1 Niobium Additions
BT2 Niobium Alloys
BT3 Alloys

ALLOY-NI46CR23CO19TI5AL4 [01]
DA November 19, 1983
BT1 Aluminium Alloys
BT2 Alloys
BT1 Boron Additions
BT2 Boron Alloys
BT3 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Cobalt Alloys
BT2 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Inconel Alloys
BT2 Nickel Base Alloys
BT3 Nickel Alloys
BT4 Alloys
BT1 Iron Additions
BT2 Iron Alloys
BT3 Alloys
BT1 Niobium Additions
BT2 Niobium Alloys
BT3 Alloys
BT1 Tantalum Alloys
BT2 Alloys
BT1 Titanium Alloys
BT2 Alloys
BT1 Zirconium Additions
BT2 Zirconium Alloys
BT3 Alloys
NT1 Alloy-IN-939

ALLOY-NI47CR25CO12W9FE3 [01]
DA November 19, 1983
BT1 Chromium Alloys
BT2 Alloys
BT1 Cobalt Alloys
BT2 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Inconel Alloys
BT2 Nickel Base Alloys
BT3 Nickel Alloys
BT4 Alloys
BT1 Iron Alloys
BT2 Alloys
BT1 Molybdenum Additions
BT2 Molybdenum Alloys
BT3 Alloys
BT1 Niobium Alloys
BT2 Alloys
BT1 Titanium Additions
BT2 Titanium Alloys
BT3 Alloys
BT1 Tungsten Alloys
BT2 Alloys
BT1 Zirconium Additions
BT2 Zirconium Alloys
BT3 Alloys
NT1 Alloy-IN-643
NT1 Inconel 643

ALLOY-NI48CO28CR15AL3MO3TI2 [01]
DA November 22, 1983
BT1 Aluminium Alloys
BT2 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Cobalt Alloys
BT2 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Inconel Alloys
BT2 Nickel Base Alloys
BT3 Nickel Alloys
BT4 Alloys
BT1 Iron Additions
BT2 Iron Alloys
BT3 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Titanium Alloys
BT2 Alloys
NT1 Inconel 700

ALLOY-NI48CR22FE18MO9 [01]
DA November 22, 1983
BT1 Chromium Alloys
BT2 Alloys
BT1 Cobalt Alloys
BT2 Alloys
BT1 Copper Additions
BT2 Copper Alloys
BT3 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Iron Alloys
BT2 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Nimonic
BT2 Nickel Base Alloys
BT3 Nickel Alloys
BT4 Alloys
BT1 Tungsten Additions

BT2 Tungsten Alloys
BT3 Alloys
NT1 Nimonic PE13

ALLOY-NI49CR22FE18MO9 [01]
DA November 22, 1983
BT1 Chromium Alloys
BT2 Alloys
BT1 Cobalt Alloys
BT2 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Hastelloys
BT2 Nickel Base Alloys
BT3 Nickel Alloys
BT4 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Iron Alloys
BT2 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Tungsten Additions
BT2 Tungsten Alloys
BT3 Alloys
NT1 Hastelloy X

ALLOY-NI50CO20CR15AL5MO5 [01]
DA January 27, 1984
BT1 Aluminium Alloys
BT2 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Cobalt Alloys
BT2 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Iron Alloys
BT2 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Nimonic
BT2 Nickel Base Alloys
BT3 Nickel Alloys
BT4 Alloys
BT1 Titanium Alloys
BT2 Alloys
NT1 Nimonic 105

ALLOY-NI50CR22FE18MO9 [01]
DA November 22, 1983
BT1 Chromium Alloys
BT2 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Hastelloys
BT2 Nickel Base Alloys
BT3 Nickel Alloys
BT4 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Iron Alloys
BT2 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Tungsten Additions
BT2 Tungsten Alloys
BT3 Alloys
NT1 Hastelloy XR

ALLOY-NI50MO32CR15SI3 [01]
DA November 23, 1983
BT1 Chromium Alloys
BT2 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Nickel Base Alloys
BT2 Nickel Alloys
BT3 Alloys
BT1 Silicon Alloys
BT2 Alloys
NT1 Tribaloy 700

ALLOY-NI51CR48 [01]
DA November 22, 1983
BT1 Chromium Alloys
BT2 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Inconel Alloys
BT2 Nickel Base Alloys
BT3 Nickel Alloys
BT4 Alloys
BT1 Titanium Additions
BT2 Titanium Alloys
BT3 Alloys
NT1 Inconel 671

ALLOY-NI53CO19CR15MO5AL4TI3 [01]
DA November 23, 1983
BT1 Aluminium Alloys
BT2 Alloys
BT1 Boron Additions
BT2 Boron Alloys
BT3 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Cobalt Alloys
BT2 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Titanium Alloys
BT2 Alloys
NT1 Udimet 700

ALLOY-NI53CR19FE19NB5MO3 [01]
DA November 22, 1983
BT1 Aluminium Additions
BT2 Aluminium Alloys
BT3 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Inconel Alloys
BT2 Nickel Base Alloys
BT3 Nickel Alloys
BT4 Alloys
BT1 Iron Alloys
BT2 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Niobium Alloys
BT2 Alloys
BT1 Titanium Additions
BT2 Titanium Alloys
BT3 Alloys
NT1 Inconel 718

ALLOY-NI54CR22CO13MO9 [01]
DA November 22, 1983
BT1 Aluminium Additions
BT2 Aluminium Alloys
BT3 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Cobalt Alloys
BT2 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Inconel Alloys
BT2 Nickel Base Alloys
BT3 Nickel Alloys
BT4 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
NT1 Inconel 617

ALLOY-NI54MO17CR16FE6W4 [01]
DA November 22, 1983
BT1 Chromium Alloys
BT2 Alloys
BT1 Cobalt Alloys
BT2 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Hastelloys
BT2 Nickel Base Alloys
BT3 Nickel Alloys
BT4 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Iron Alloys
BT2 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Tungsten Alloys
BT2 Alloys
BT1 Vanadium Additions
BT2 Vanadium Alloys
BT3 Alloys
NT1 Hastelloy C

ALLOY-NI55CO17CR15MO5AL4TI4 [01]
DA November 22, 1983
BT1 Aluminium Alloys
BT2 Alloys
BT1 Boron Additions
BT2 Boron Alloys
BT3 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Cobalt Alloys
BT2 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Nickel Base Alloys
BT2 Nickel Alloys
BT3 Alloys
BT1 Titanium Alloys
BT2 Alloys
BT1 Zirconium Additions
BT2 Zirconium Alloys
BT3 Alloys
NT1 Astroloy

ALLOY-NI55CR19CO11MO10TI3 [01]
DA November 22, 1983
BT1 Aluminium Alloys
BT2 Alloys
BT1 Boron Additions
BT2 Boron Alloys
BT3 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Cobalt Alloys
BT2 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Nickel Base Alloys
BT2 Nickel Alloys
BT3 Alloys
BT1 Titanium Alloys
BT2 Alloys
NT1 Rene 41

ALLOY-NI56CR21W10MO5FE4AL2 [01]
DA November 19, 1983
UF *Alloy-EhP-199*
BT1 Aluminium Alloys
BT2 Alloys
BT1 Boron Additions
BT2 Boron Alloys
BT3 Alloys
BT1 Chromium Alloys
BT2 Alloys

BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Iron Alloys
BT2 Alloys
BT1 Manganese Additions
BT2 Manganese Alloys
BT3 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Nickel Base Alloys
BT2 Nickel Alloys
BT3 Alloys
BT1 Silicon Additions
BT2 Silicon Alloys
BT3 Alloys
BT1 Titanium Alloys
BT2 Alloys
BT1 Tungsten Alloys
BT2 Alloys

ALLOY-NI58CR14CO8AL4MO4NB4W4 [01]
DA November 22, 1983
BT1 Aluminium Alloys
BT2 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Cobalt Alloys
BT2 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Iron Additions
BT2 Iron Alloys
BT3 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Nickel Base Alloys
BT2 Nickel Alloys
BT3 Alloys
BT1 Niobium Alloys
BT2 Alloys
BT1 Titanium Alloys
BT2 Alloys
BT1 Tungsten Alloys
BT2 Alloys
NT1 Rene 95

ALLOY-NI58CR20CO14MO4TI3 [01]
DA November 23, 1983
BT1 Aluminium Alloys
BT2 Alloys
BT1 Boron Additions
BT2 Boron Alloys
BT3 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Cobalt Alloys
BT2 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Iron Alloys
BT2 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Nickel Base Alloys
BT2 Nickel Alloys
BT3 Alloys
BT1 Titanium Alloys
BT2 Alloys
BT1 Zirconium Additions
BT2 Zirconium Alloys
BT3 Alloys
NT1 Waspaloy

ALLOY-NI59CR20CO17TI2 [01]
DA November 22, 1983
BT1 Aluminium Alloys
BT2 Alloys
BT1 Boron Additions
BT2 Boron Alloys
BT3 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Cobalt Alloys
BT2 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Iron Alloys
BT2 Alloys
BT1 Nimonic
BT2 Nickel Base Alloys
BT3 Nickel Alloys
BT4 Alloys
BT1 Titanium Alloys
BT2 Alloys
BT1 Zirconium Additions
BT2 Zirconium Alloys
BT3 Alloys
NT1 Nimonic 90

ALLOY-NI59CR30FE9 [01]
DA November 22, 1983
BT1 Chromium Alloys
BT2 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Inconel Alloys
BT2 Nickel Base Alloys
BT3 Nickel Alloys
BT4 Alloys
BT1 Iron Alloys
BT2 Alloys
BT1 Titanium Additions
BT2 Titanium Alloys
BT3 Alloys
NT1 Inconel 690

ALLOY-NI60CO15CR10AL6TI5MO3 [01]
DA November 19, 1983
BT1 Aluminium Alloys
BT2 Alloys
BT1 Boron Additions
BT2 Boron Alloys
BT3 Alloys
BT1 Carbon Additions
BT2 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Cobalt Alloys
BT2 Alloys
BT1 Copper Additions
BT2 Copper Alloys
BT3 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Inconel Alloys
BT2 Nickel Base Alloys
BT3 Nickel Alloys
BT4 Alloys
BT1 Iron Additions
BT2 Iron Alloys
BT3 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Titanium Alloys
BT2 Alloys
BT1 Vanadium Additions
BT2 Vanadium Alloys
BT3 Alloys
BT1 Zirconium Additions
BT2 Zirconium Alloys
BT3 Alloys
NT1 Alloy-IN-100

ALLOY-NI60CR14CO10TI5MO4W4AL3 [01]
DA November 22, 1983
BT1 Aluminium Alloys
BT2 Alloys
BT1 Boron Additions
BT2 Boron Alloys
BT3 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Cobalt Alloys
BT2 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Nickel Base Alloys
BT2 Nickel Alloys
BT3 Alloys
BT1 Titanium Alloys
BT2 Alloys
BT1 Tungsten Alloys
BT2 Alloys
BT1 Zirconium Additions
BT2 Zirconium Alloys
BT3 Alloys
NT1 Rene 80

ALLOY-NI60CR25W15 [01]
DA November 19, 1983
UF *Alloy-EhI 868*
UF *Alloy-KhN60B*
UF *Alloy-KhN60V*
UF *Alloy-VzH98*
BT1 Aluminium Additions
BT2 Aluminium Alloys
BT3 Alloys
BT1 Cerium Additions
BT2 Cerium Alloys
BT3 Rare Earth Alloys
BT4 Alloys
BT2 Rare Earth Additions
BT3 Rare Earth Alloys
BT4 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Iron Alloys
BT2 Alloys
BT1 Nickel Base Alloys
BT2 Nickel Alloys
BT3 Alloys
BT1 Silicon Additions
BT2 Silicon Alloys
BT3 Alloys
BT1 Titanium Additions
BT2 Titanium Alloys
BT3 Alloys
BT1 Tungsten Alloys
BT2 Alloys

ALLOY-NI60FE24CR16 [01]
DA November 22, 1983
BT1 Chromel
BT2 Nickel Base Alloys
BT3 Nickel Alloys
BT4 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Iron Alloys
BT2 Alloys
NT1 Nichrome

ALLOY-NI60MO13CO9CR8NB4AL3 [01]
DA November 19, 1983
UF *Alloy-KhN60MKBYuT*
BT1 Aluminium Alloys
BT2 Alloys
BT1 Boron Additions
BT2 Boron Alloys
BT3 Alloys
BT1 Cerium Additions
BT2 Cerium Alloys
BT3 Rare Earth Alloys

BT4 Alloys
BT2 Rare Earth Additions
BT3 Rare Earth Alloys
BT4 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Cobalt Alloys
BT2 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Nickel Base Alloys
BT2 Nickel Alloys
BT3 Alloys
BT1 Niobium Alloys
BT2 Alloys
BT1 Titanium Alloys
BT2 Alloys

ALLOY-NI61CR16CO9AL3TI3W3 [01]
DA November 19, 1983
BT1 Aluminium Alloys
BT2 Alloys
BT1 Boron Additions
BT2 Boron Alloys
BT3 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Cobalt Alloys
BT2 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Inconel Alloys
BT2 Nickel Base Alloys
BT3 Nickel Alloys
BT4 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Niobium Additions
BT2 Niobium Alloys
BT3 Alloys
BT1 Tantalum Alloys
BT2 Alloys
BT1 Titanium Alloys
BT2 Alloys
BT1 Tungsten Alloys
BT2 Alloys
BT1 Zirconium Additions
BT2 Zirconium Alloys
BT3 Alloys
NT1 Alloy-IN-738

ALLOY-NI61CR22MO9NB4FE3 [01]
DA November 22, 1983
BT1 Aluminium Additions
BT2 Aluminium Alloys
BT3 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Inconel Alloys
BT2 Nickel Base Alloys
BT3 Nickel Alloys
BT4 Alloys
BT1 Iron Alloys
BT2 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Niobium Alloys
BT2 Alloys
BT1 Titanium Additions
BT2 Titanium Alloys
BT3 Alloys
NT1 Inconel 625

ALLOY-NI61CR23FE14 [01]
DA March 17, 1989
BT1 Chromium Alloys
BT2 Alloys
BT1 Inconel Alloys
BT2 Nickel Base Alloys
BT3 Nickel Alloys
BT4 Alloys
BT1 Iron Alloys
BT2 Alloys

ALLOY-NI62CR16MO15FE3 [01]
DA November 22, 1983
BT1 Aluminium Additions
BT2 Aluminium Alloys
BT3 Alloys
BT1 Boron Additions
BT2 Boron Alloys
BT3 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Cobalt Additions
BT2 Cobalt Alloys
BT3 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Hastelloys
BT2 Nickel Base Alloys
BT3 Nickel Alloys
BT4 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Iron Alloys
BT2 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Tungsten Additions
BT2 Tungsten Alloys
BT3 Alloys
BT1 Vanadium Additions
BT2 Vanadium Alloys
BT3 Alloys
NT1 Hastelloy S

ALLOY-NI65CR25MO10 [01]
DA November 22, 1983
BT1 Chromium Alloys
BT2 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Nimonic
BT2 Nickel Base Alloys
BT3 Nickel Alloys
BT4 Alloys
NT1 Nimonic 86

ALLOY-NI65MO16CR15W4 [01]
DA November 19, 1983
UF *Alloy-EhP-567*
BT1 Chromium Alloys
BT2 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Iron Additions
BT2 Iron Alloys
BT3 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Nickel Base Alloys
BT2 Nickel Alloys
BT3 Alloys
BT1 Tungsten Alloys
BT2 Alloys

ALLOY-NI65MO28FE5 [01]
DA November 22, 1983
BT1 Chromium Additions
BT2 Chromium Alloys
BT3 Alloys
BT1 Cobalt Alloys
BT2 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Hastelloys
BT2 Nickel Base Alloys
BT3 Nickel Alloys
BT4 Alloys
BT1 Vanadium Additions
BT2 Vanadium Alloys
BT3 Alloys
NT1 Hastelloy B

ALLOY-NI66CU32 [01]
DA November 22, 1983
BT1 Copper Alloys
BT2 Alloys
BT1 Iron Alloys
BT2 Alloys
BT1 Manganese Additions
BT2 Manganese Alloys
BT3 Alloys
BT1 Monel
BT2 Nickel Base Alloys
BT3 Nickel Alloys
BT4 Alloys
NT1 Monel 400

ALLOY-NI67CR19MO5W5TI3 [01]
DA January 27, 1984
UF *Alloy-KhN67VMTYu*
BT1 Aluminium Alloys
BT2 Alloys
BT1 Boron Additions
BT2 Boron Alloys
BT3 Alloys
BT1 Cerium Additions
BT2 Cerium Alloys
BT3 Rare Earth Alloys
BT4 Alloys
BT2 Rare Earth Additions
BT3 Rare Earth Alloys
BT4 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Nickel Base Alloys
BT2 Nickel Alloys
BT3 Alloys
BT1 Silicon Additions
BT2 Silicon Alloys
BT3 Alloys
BT1 Titanium Alloys
BT2 Alloys
BT1 Tungsten Alloys
BT2 Alloys

ALLOY-NI68CR15W6AL3MO3FE2 [01]
DA November 19, 1983
UF *Alloy-EhI 826*
BT1 Aluminium Alloys
BT2 Alloys
BT1 Boron Additions
BT2 Boron Alloys
BT3 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Iron Alloys
BT2 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Nickel Base Alloys
BT2 Nickel Alloys
BT3 Alloys
BT1 Silicon Additions
BT2 Silicon Alloys
BT3 Alloys
BT1 Titanium Alloys
BT2 Alloys
BT1 Tungsten Alloys
BT2 Alloys
BT1 Vanadium Additions
BT2 Vanadium Alloys
BT3 Alloys

ALLOY-NI70MO17CR7FE5 [01]
DA November 22, 1983
BT1 Aluminium Additions
BT2 Aluminium Alloys
BT3 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Hastelloys
BT2 Nickel Base Alloys
BT3 Nickel Alloys
BT4 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Iron Alloys
BT2 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Titanium Additions
BT2 Titanium Alloys
BT3 Alloys
NT1 Hastelloy N
NT1 Inor-8
RT Inconel Alloys

ALLOY-NI73CR15FE7TI3 [01]
DA November 22, 1983
BT1 Aluminium Additions
BT2 Aluminium Alloys
BT3 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Inconel Alloys
BT2 Nickel Base Alloys
BT3 Nickel Alloys
BT4 Alloys
BT1 Iron Alloys
BT2 Alloys
BT1 Niobium Additions
BT2 Niobium Alloys
BT3 Alloys
BT1 Titanium Alloys
BT2 Alloys
NT1 Inconel X750

ALLOY-NI73CR20MN3NB3 [01]
DA November 22, 1983
BT1 Chromium Alloys
BT2 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Inconel Alloys
BT2 Nickel Base Alloys
BT3 Nickel Alloys
BT4 Alloys
BT1 Iron Additions
BT2 Iron Alloys
BT3 Alloys
BT1 Manganese Alloys
BT2 Alloys
BT1 Niobium Alloys
BT2 Alloys
BT1 Titanium Additions
BT2 Titanium Alloys
BT3 Alloys
NT1 Inconel 82

ALLOY-NI74CR13AL6MO4 [01]
DA November 22, 1983
BT1 Aluminium Alloys
BT2 Alloys
BT1 Boron Additions
BT2 Boron Alloys
BT3 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Inconel Alloys
BT2 Nickel Base Alloys
BT3 Nickel Alloys
BT4 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Niobium Alloys
BT2 Alloys
BT1 Titanium Additions
BT2 Titanium Alloys
BT3 Alloys
BT1 Zirconium Additions
BT2 Zirconium Alloys
BT3 Alloys
NT1 Inconel 713C

ALLOY-NI75CR12AL6MO5 [01]
DA November 22, 1983
BT1 Aluminium Alloys
BT2 Alloys
BT1 Boron Additions
BT2 Boron Alloys
BT3 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Inconel Alloys
BT2 Nickel Base Alloys
BT3 Nickel Alloys
BT4 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Niobium Alloys
BT2 Alloys
BT1 Titanium Additions
BT2 Titanium Alloys
BT3 Alloys
BT1 Zirconium Additions
BT2 Zirconium Alloys
BT3 Alloys
NT1 Inconel 713LC

ALLOY-NI76CR15FE8 [01]
DA November 22, 1983
BT1 Aluminium Additions
BT2 Aluminium Alloys
BT3 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Inconel Alloys
BT2 Nickel Base Alloys
BT3 Nickel Alloys
BT4 Alloys
BT1 Iron Alloys
BT2 Alloys
BT1 Nimonic
BT2 Nickel Base Alloys
BT3 Nickel Alloys
BT4 Alloys
BT1 Titanium Additions
BT2 Titanium Alloys
BT3 Alloys
NT1 Inconel 600

ALLOY-NI76CR20TI2 [01]
DA November 22, 1983
BT1 Aluminium Alloys
BT2 Alloys
BT1 Boron Additions
BT2 Boron Alloys
BT3 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Nimonic
BT2 Nickel Base Alloys
BT3 Nickel Alloys
BT4 Alloys
BT1 Titanium Alloys
BT2 Alloys
BT1 Zirconium Additions
BT2 Zirconium Alloys
BT3 Alloys
NT1 Nimonic 80A

ALLOY-NI77CR17AL5 [01]
DA March 18, 1989
BT1 Aluminium Alloys
BT2 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Nickel Base Alloys
BT2 Nickel Alloys
BT3 Alloys
BT1 Yttrium Additions
BT2 Yttrium Alloys
BT3 Alloys

ALLOY-NI77CR20TI2 [01]
DA November 19, 1983
UF *Alloy-Ehl 437B*
UF *Alloy-Ehl 702*
UF *Alloy-KhN77TYuR*
BT1 Aluminium Additions
BT2 Aluminium Alloys
BT3 Alloys
BT1 Boron Additions
BT2 Boron Alloys
BT3 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Iron Alloys
BT2 Alloys
BT1 Nickel Base Alloys
BT2 Nickel Alloys
BT3 Alloys
BT1 Titanium Alloys
BT2 Alloys

ALLOY-NI78CR16AL4 [01]
DA November 22, 1983
BT1 Aluminium Alloys
BT2 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Inconel Alloys
BT2 Nickel Base Alloys
BT3 Nickel Alloys
BT4 Alloys
BT1 Iron Additions
BT2 Iron Alloys
BT3 Alloys
BT1 Titanium Additions
BT2 Titanium Alloys
BT3 Alloys
NT1 Inconel 702

ALLOY-NI78CR21 [01]
DA November 19, 1983
UF *Alloy-KhN78T*
BT1 Aluminium Additions
BT2 Aluminium Alloys
BT3 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Iron Alloys
BT2 Alloys
BT1 Manganese Additions
BT2 Manganese Alloys
BT3 Alloys
BT1 Nickel Base Alloys
BT2 Nickel Alloys

BT3 Alloys
BT1 Silicon Additions
BT2 Silicon Alloys
BT3 Alloys
BT1 Titanium Additions
BT2 Titanium Alloys
BT3 Alloys

ALLOY-NI79FE16MO4 [01]
DA November 22, 1983
BT1 Iron Alloys
BT2 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Nickel Base Alloys
BT2 Nickel Alloys
BT3 Alloys

ALLOY-NI80CR20 [01]
DA November 19, 1983
UF *Alloy-Kh20N80*
BT1 Aluminium Additions
BT2 Aluminium Alloys
BT3 Alloys
BT1 Chromel
BT2 Nickel Base Alloys
BT3 Nickel Alloys
BT4 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Iron Additions
BT2 Iron Alloys
BT3 Alloys
BT1 Silicon Additions
BT2 Silicon Alloys
BT3 Alloys

ALLOY-NI80FE16MO4 [01]
DA November 22, 1983
BT1 Iron Alloys
BT2 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Nickel Base Alloys
BT2 Nickel Alloys
BT3 Alloys

ALLOY-NI85CR15 [01]
DA January 27, 1984
BT1 Chromel
BT2 Nickel Base Alloys
BT3 Nickel Alloys
BT4 Alloys
BT1 Chromium Alloys
BT2 Alloys

ALLOY-NI94MN3AL2 [01]
DA November 22, 1983
BT1 Aluminium Alloys
BT2 Alloys
BT1 Manganese Alloys
BT2 Alloys
BT1 Nickel Base Alloys
BT2 Nickel Alloys
BT3 Alloys
BT1 Silicon Additions
BT2 Silicon Alloys
BT3 Alloys
NT1 Alumel

ALLOY-NT25A5 [01]
DA May 29, 1979
BT1 Aluminium Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Niobium Base Alloys
BT2 Niobium Alloys
BT3 Alloys
BT1 Titanium Alloys
BT2 Alloys

ALLOY NUCLEAR FUELS [01]
DA December 1, 1974
BT1 Nuclear Fuels
BT2 Energy Sources
BT2 Fuels
BT2 Reactor Materials
BT3 Materials
BT1 Solid Fuels
BT2 Fuels

ALLOY-NX-188
DA December 20, 1978
UF *NX-188*
BT1 Aluminium Alloys
BT2 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Nickel Base Alloys
BT2 Nickel Alloys
BT3 Alloys

ALLOY-RA-333
DA August 9, 1979
UF *RA 333*
BT1 Chromium Alloys
BT2 Alloys
BT1 Cobalt Alloys
BT2 Alloys
BT1 Iron Alloys
BT2 Alloys
BT1 Manganese Alloys
BT2 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Nickel Alloys
BT2 Alloys
BT1 Silicon Alloys
BT2 Alloys
BT1 Tungsten Alloys
BT2 Alloys

ALLOY-S-590 [01]
DA December 1, 1974
BT1 Chromium Alloys
BT2 Alloys
BT1 Cobalt Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Nickel Alloys
BT2 Alloys
BT1 Niobium Alloys
BT2 Alloys
BT1 Tungsten Alloys
BT2 Alloys

ALLOY-S-816 [01]
DA December 1, 1974
BT1 Carbon Additions
BT2 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Cobalt Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Iron Alloys
BT2 Alloys
BT1 Manganese Alloys
BT2 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Nickel Alloys
BT2 Alloys
BT1 Niobium Alloys
BT2 Alloys
BT1 Silicon Additions
BT2 Silicon Alloys
BT3 Alloys
BT1 Tantalum Alloys
BT2 Alloys
BT1 Tungsten Alloys
BT2 Alloys

Alloy SU31
(Prior to 1989 this was a valid descriptor.)
DA December 1, 1974
USE Niobium Base Alloys

ALLOY SYSTEMS [01]
DA December 1, 1974
NT1 Binary Alloy Systems
NT1 Quaternary Alloy Systems
NT1 Ternary Alloy Systems
RT Alloys
RT Phase Diagrams
RT Vegard Law

Alloy-TA-10V
(Prior to 1989 this was a valid descriptor.)
DA December 1, 1974
SEE Tantalum Base Alloys

ALLOY-TA90W8HF [01]
DA November 23, 1983
BT1 Hafnium Alloys
BT2 Alloys
BT1 Tantalum Base Alloys
BT2 Tantalum Alloys
BT3 Alloys
BT1 Tungsten Alloys
BT2 Alloys
NT1 Tantalum Alloy-T111

ALLOY-TI78CR11MO7AL3 [01]
DA January 27, 1984
UF *Alloy-VT15*
BT1 Aluminium Alloys
BT2 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Titanium Base Alloys
BT2 Titanium Alloys
BT3 Alloys

ALLOY-TI88MO8AL3 [01]
DA January 27, 1984
UF *Alloy-VT22*
BT1 Aluminium Alloys
BT2 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Iron Additions
BT2 Iron Alloys
BT3 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Titanium Base Alloys
BT2 Titanium Alloys
BT3 Alloys

ALLOY-TI89AL6MO3 [01]
DA November 22, 1983
UF *Alloy-VT9*
BT1 Aluminium Alloys
BT2 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Titanium Base Alloys
BT2 Titanium Alloys
BT3 Alloys
BT1 Zirconium Alloys
BT2 Alloys

ALLOY-TI90AL6 [01]
DA January 27, 1984
UF *Alloy-VT20*
BT1 Aluminium Alloys
BT2 Alloys
BT1 Molybdenum Additions
BT2 Molybdenum Alloys
BT3 Alloys
BT1 Titanium Base Alloys
BT2 Titanium Alloys
BT3 Alloys
BT1 Vanadium Additions
BT2 Vanadium Alloys
BT3 Alloys
BT1 Zirconium Alloys
BT2 Alloys

ALLOY-TI90AL6MO3 [01]
DA January 27, 1984
UF *Alloy-VT8*
BT1 Aluminium Alloys
BT2 Alloys
BT1 Iron Additions
BT2 Iron Alloys
BT3 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Titanium Base Alloys
BT2 Titanium Alloys
BT3 Alloys

ALLOY-TI90AL6V4 [01]
DA November 22, 1983
UF *Alloy-VT6*
BT1 Aluminium Alloys
BT2 Alloys
BT1 Iron Additions
BT2 Iron Alloys
BT3 Alloys
BT1 Titanium Base Alloys
BT2 Titanium Alloys
BT3 Alloys
BT1 Vanadium Alloys
BT2 Alloys

ALLOY-TI90MO7AL2 [01]
DA January 27, 1984
UF *Alloy-VT16*
BT1 Aluminium Alloys
BT2 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Titanium Base Alloys
BT2 Titanium Alloys
BT3 Alloys

ALLOY-TI91AL4MO3 [01]
DA January 27, 1984
UF *Alloy-VT14*
BT1 Aluminium Alloys
BT2 Alloys
BT1 Iron Additions
BT2 Iron Alloys
BT3 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Titanium Base Alloys
BT2 Titanium Alloys
BT3 Alloys
BT1 Vanadium Alloys
BT2 Alloys

ALLOY-TI91AL5CR2 [01]
DA January 27, 1984
UF *Alloy-VT3-1*
BT1 Aluminium Alloys
BT2 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Iron Additions
BT2 Iron Alloys
BT3 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Titanium Base Alloys
BT2 Titanium Alloys
BT3 Alloys

ALLOY-TI99 [01]
DA November 22, 1983
UF *Alloy-VT1-0*
BT1 Titanium Base Alloys
BT2 Titanium Alloys
BT3 Alloys

Alloy-Ts5
(Prior to 1989 this was a valid descriptor.)
DA May 29, 1979
SEE Titanium Base Alloys

Alloy-TsM6
(Prior to 1989 this was a valid descriptor.)
DA October 30, 1978
USE Alloy-Mo99B

Alloy-TZC
(Prior to 1989 this was a valid descriptor.)
DA January 20, 1975
SEE Molybdenum Base Alloys

ALLOY-TZM
DA December 1, 1974
BT1 Alloy-Mo99
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Molybdenum Base Alloys
BT3 Molybdenum Alloys
BT4 Alloys
BT2 Titanium Additions
BT3 Titanium Alloys
BT4 Alloys
BT2 Zirconium Additions
BT3 Zirconium Alloys
BT4 Alloys

ALLOY-U90NB7ZR3 [01]
DA November 22, 1983
BT1 Niobium Alloys
BT2 Alloys
BT1 Uranium Base Alloys
BT2 Uranium Alloys
BT3 Actinide Alloys
BT4 Alloys
BT1 Zirconium Alloys
BT2 Alloys
NT1 Mulberry Alloy

ALLOY-V-36 [01]
DA December 1, 1974
BT1 Carbon Additions
BT2 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Cobalt Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Iron Alloys
BT2 Alloys
BT1 Manganese Additions
BT2 Manganese Alloys
BT3 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Nickel Alloys
BT2 Alloys
BT1 Niobium Alloys
BT2 Alloys
BT1 Silicon Additions
BT2 Silicon Alloys
BT3 Alloys
BT1 Tantalum Alloys
BT2 Alloys
BT1 Tungsten Alloys
BT2 Alloys

ALLOY-V87CR9FE3 [01]
DA November 23, 1983
BT1 Chromium Alloys
BT2 Alloys
BT1 Iron Alloys
BT2 Alloys
BT1 Vanadium Base Alloys
BT2 Vanadium Alloys
BT3 Alloys
BT1 Zirconium Alloys
BT2 Alloys
NT1 Vanstar 7

Alloy-VAD23
(Prior to 1989 this was a valid descriptor.)
DA May 29, 1979
SEE Aluminium Base Alloys

Alloy-VM-1
(Prior to March 1989 this was a valid descriptor.)
DA December 1, 1974
USE Alloy-Mo99

Alloy-VN-2
(Prior to March 1989 this was a valid descriptor.)
DA December 1, 1974
USE Alloy-Nb94Mo4

Alloy-VN-3
(Prior to 1989 this was a valid descriptor.)
DA December 1, 1974
SEE Niobium Base Alloys

Alloy-VT1-0
(Prior to March 1989 this was a valid descriptor.)
DA May 29, 1979
USE Alloy-Ti99

Alloy-VT3-1
(Prior to March 1989 this was valid descriptor.)
DA April 13, 1977
USE Alloy-Ti91Al5Cr2

Alloy-VT6
(Prior to March 1989 this was a valid descriptor.)
DA December 1, 1974
USE Alloy-Ti90Al6V4

Alloy-VT8
(Prior to March 1989 this was a valid descriptor.)
DA May 29, 1979
USE Alloy-Ti90Al6Mo3

Alloy-VT9
(Prior to March 1989 this was a valid descriptor.)
DA December 1, 1974
USE Alloy-Ti89Al6Mo3

Alloy-VT14
(Prior to March 1989 this was a valid descriptor.)
DA December 1, 1974
USE Alloy-Ti91Al4Mo3

Alloy-VT15
(Prior to March 1989 this was a valid descriptor.)
DA December 1, 1974
USE Alloy-Ti78Cr11Mo7Al3

Alloy-VT16
(Prior to March 1989 this was a valid descriptor.)
DA June 30, 1975
USE Alloy-Ti90Mo7Al2

Alloy-VT20
(Prior to March 1989 this was a valid descriptor.)
DA October 19, 1978
USE Alloy-Ti90Al6

Alloy-VT22
(Prior to March 1989 this was a valid descriptor.)
DA December 1, 1974
USE Alloy-Ti88Mo8Al3

ALLOY-VT30
DA October 25, 1985
BT1 Titanium Base Alloys
BT2 Titanium Alloys
BT3 Alloys

Alloy-VTZ-1
(Prior to 1989 this was a valid descriptor.)
DA December 1, 1974
USE Titanium Base Alloys

Alloy-VUS-6
DA May 29, 1979
USE Niobium Base Alloys

Alloy-VzH98
DA May 29, 1979
USE Alloy-Ni60Cr25W15

Alloy-WAZ-16
DA August 9, 1979
USE Nickel Base Alloys

Alloy-X-40
DA December 17, 1979
USE Alloy-HS-31

ALLOY-YUNDK 25BA [01]
DA June 21, 1979
BT1 Aluminium Alloys
BT2 Alloys
BT1 Cobalt Alloys
BT2 Alloys
BT1 Copper Alloys
BT2 Alloys
BT1 Iron Alloys
BT2 Alloys

BT1 Nickel Alloys
BT2 Alloys
BT1 Niobium Additions
BT2 Niobium Alloys
BT3 Alloys

ALLOY-ZM-2A
DA December 1, 1974
BT1 Alloy-Mo99
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Molybdenum Base Alloys
BT3 Molybdenum Alloys
BT4 Alloys
BT2 Titanium Additions
BT3 Titanium Alloys
BT4 Alloys
BT2 Zirconium Additions
BT3 Zirconium Alloys
BT4 Alloys

ALLOY-ZR97NB3 [01]
DA March 18, 1989
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Niobium Alloys
BT2 Alloys
BT1 Zirconium Base Alloys
BT2 Zirconium Alloys
BT3 Alloys

ALLOY-ZR98SN-2 [01]
DA November 23, 1983
BT1 Chromium Additions
BT2 Chromium Alloys
BT3 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Iron Additions
BT2 Iron Alloys
BT3 Alloys
BT1 Nickel Additions
BT2 Nickel Alloys
BT3 Alloys
BT1 Tin Alloys
BT2 Alloys
BT1 Zircaloy
BT2 Zirconium Base Alloys
BT3 Zirconium Alloys
BT4 Alloys
NT1 Zircaloy 2

ALLOY-ZR98SN-4 [01]
DA November 23, 1983
BT1 Chromium Additions
BT2 Chromium Alloys
BT3 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Iron Additions
BT2 Iron Alloys
BT3 Alloys
BT1 Tin Alloys
BT2 Alloys
BT1 Zircaloy
BT2 Zirconium Base Alloys
BT3 Zirconium Alloys
BT4 Alloys
NT1 Zircaloy 4

Alloying Effects
DA February 14, 1978
USE Metallurgical Effects

ALLOYS [01]
DA December 1, 1974
UF *Actinium Additions*
UF *Astatine Additions*
UF *Berkelium Additions*
UF *Californium Additions*
UF *Einsteinium Additions*
UF *Radium Additions*
* **NT1** Actinide Alloys
* **NT1** Aluminium Alloys
NT1 Antimony Alloys
NT2 Antimony Additions
NT2 Antimony Base Alloys
NT2 Terne-Metal
NT1 Arsenic Alloys
NT2 Arsenic Additions
NT1 Barium Alloys
NT2 Barium Additions
NT2 Barium Base Alloys
NT1 Beryllium Alloys
NT2 Beryllium Additions
NT2 Beryllium Base Alloys
NT2 HAVAR
* **NT1** Bismuth Alloys
* **NT1** Boron Alloys
NT1 Brazing Alloys
* **NT1** Cadmium Alloys
NT1 Calcium Alloys
NT2 Calcium Additions
NT2 Calcium Base Alloys
* **NT1** Carbon Additions
NT1 Cesium Alloys
NT2 Cesium Additions
NT2 Cesium Base Alloys
* **NT1** Chromium Alloys
* **NT1** Cobalt Alloys
* **NT1** Copper Alloys
* **NT1** Corrosion Resistant Alloys
NT1 Dilute Alloys
NT1 Einsteinium Alloys
NT1 Francium Alloys
NT2 Francium Additions
NT2 Francium Base Alloys
NT1 Gallium Alloys
NT2 Gallium Additions
NT2 Gallium Base Alloys
NT1 Germanium Alloys
NT2 Germanium Additions
NT2 Germanium Base Alloys
NT1 Gold Alloys
NT2 Gold Additions
NT2 Gold Base Alloys
NT3 Palau
* **NT1** Hafnium Alloys
* **NT1** Heat Resisting Alloys
* **NT1** Incoloy Alloys
NT1 Indium Alloys
NT2 Indium Additions
NT2 Indium Base Alloys
NT1 Intermetallic Compounds
NT2 Cementite
* **NT1** Iron Alloys
* **NT1** Lead Alloys
NT1 Lithium Alloys
NT2 Lithium Additions
NT2 Lithium Base Alloys
* **NT1** Magnesium Alloys
* **NT1** Manganese Alloys
NT1 Mercury Alloys
NT2 Mercury Additions
NT2 Mercury Base Alloys
* **NT1** Molybdenum Alloys
* **NT1** Nickel Alloys
* **NT1** Niobium Alloys
* **NT1** Nitrogen Additions
NT1 Phosphorus Additions
* **NT1** Platinum Metal Alloys
NT1 Polonium Alloys
NT2 Polonium Additions
NT2 Polonium Base Alloys
NT1 Potassium Alloys
NT2 Potassium Additions
NT2 Potassium Base Alloys
* **NT1** Rare Earth Alloys
NT1 Refractory Metals
NT1 Rhenium Alloys
NT2 Rhenium Additions
NT2 Rhenium Base Alloys
NT1 Rubidium Alloys
NT2 Rubidium Additions
NT2 Rubidium Base Alloys
NT1 Scandium Alloys
NT2 Scandium Additions
NT2 Scandium Base Alloys
NT1 Selenium Alloys
NT2 Selenium Additions
* **NT1** Silicon Alloys
NT1 Silver Alloys
NT2 Silver Additions
NT2 Silver Base Alloys
NT1 Sodium Alloys
NT2 Sodium Additions
NT2 Sodium Base Alloys
NT1 Strontium Alloys
NT2 Strontium Additions
NT2 Strontium Base Alloys
NT1 Sulfur Additions
NT2 Ni-Hard
* **NT1** Tantalum Alloys
NT1 Technetium Alloys
NT2 Technetium Additions
NT2 Technetium Base Alloys
NT1 Tellurium Alloys
NT2 Tellurium Additions
NT1 Thallium Alloys
NT2 Thallium Additions
NT2 Thallium Base Alloys
* **NT1** Tin Alloys
* **NT1** Titanium Alloys
NT1 Transition Element Alloys
* **NT1** Tungsten Alloys
* **NT1** Vanadium Alloys
* **NT1** Yttrium Alloys
* **NT1** Zinc Alloys
* **NT1** Zirconium Alloys
RT Alloy Systems
RT Binary Mixtures
RT Metallic Glasses
RT Semimetals
RT Solid Solutions

ALLUVIAL DEPOSITS [01]
DA December 1, 1974
BT1 Geologic Deposits
RT Clays
RT Ground Water
RT Placers
RT Sand
RT Soils
RT Surface Waters
DEF Earth, sand, gravel, or other mineral materials transported by and laid down by flowing water.

ALLYL RADICALS [01]
DA December 1, 1974
BT1 Alkyl Radicals
BT2 Radicals

ALMARAZ-1 REACTOR [01]
(Almaraz, Caceres, Spain)
DA June 2, 1977
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

ALMARAZ-2 REACTOR [01]
(Almaraz, Caceres, Spain)
DA June 2, 1977
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

ALMENDRO EVENT [01]
DA December 1, 1974
BT1 Toggle Operation
BT2 Nuclear Explosions
BT3 Explosions
BT2 Underground Explosions
BT3 Explosions

ALNICO ALLOYS [01]
DA December 1, 1974
BT1 Aluminium Alloys
BT2 Alloys

BT1 Cobalt Alloys
BT2 Alloys
BT1 Iron Base Alloys
BT2 Iron Alloys
BT3 Alloys
BT1 Nickel Alloys
BT2 Alloys

ALOE [01]
DA December 1, 1974
BT1 Liliopsida
BT2 Magnoliophyta
BT3 Plants
BT1 Medicinal Plants
BT2 Plants

ALOUETTE SATELLITES [01]
DA December 1, 1974
BT1 Satellites

ALPHA BEAMS [01]
DA December 1, 1974
BT1 Helium 4 Beams
BT2 Ion Beams
BT3 Beams
RT Alpha Particles

ALPHA-BEARING WASTES [01]
DA May 25, 1979
UF *Transuranium Wastes*
UF *TRU Wastes*
BT1 Radioactive Wastes
BT2 Radioactive Materials
BT3 Materials
BT2 Wastes
RT Low-Level Radioactive Wastes
RT WIPP

ALPHA DECAY [01]
DA December 1, 1974
BT1 Nuclear Decay
BT2 Decay
RT Alpha Decay Radioisotopes
RT Alpha Particles
RT Delayed Alpha Particles
RT Gamow Barrier
RT Geiger-Nuttall Law

ALPHA DECAY RADIOISOTOPES [01]
DA December 1, 1974
BT1 Radioisotopes
BT2 Isotopes
NT1 Actinium 209
NT1 Actinium 210
NT1 Actinium 211
NT1 Actinium 212
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NT1 Actinium 215
NT1 Actinium 216
NT1 Actinium 217
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NT1 Americium 232
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NT1 Astatine 194
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NT1 Berkelium 243
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NT1 Berkelium 249
NT1 Beryllium 8
NT1 Bismuth 188
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NT1 Boron 9
NT1 Californium 239
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NT1 Dysprosium 150
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NT1 Einsteinium 243
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NT1 Element 104 255
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NT1 Erbium 152
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NT1 Europium 147
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NT1 Fermium 243
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NT1 Gold 173
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NT1 Gold 185
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NT1 Hafnium 156
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NT1 Hafnium 174
NT1 Helium 5
NT1 Holmium 151
NT1 Holmium 152
NT1 Holmium 153
NT1 Holmium 154
NT1 Holmium 155
NT1 Iodine 108
NT1 Iodine 111
NT1 Iridium 166
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NT1 Lead 182
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NT1 Lead 192
NT1 Lead 204
NT1 Lead 210
NT1 Lithium 5
NT1 Lutetium 155
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NT1 Neptunium 225
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NT1 Samarium 148
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NT1 Thorium 213
NT1 Thorium 214
NT1 Thorium 215
NT1 Thorium 216
NT1 Thorium 217
NT1 Thorium 218
NT1 Thorium 219
NT1 Thorium 220
NT1 Thorium 221
NT1 Thorium 222
NT1 Thorium 223
NT1 Thorium 224
NT1 Thorium 225
NT1 Thorium 226
NT1 Thorium 227
NT1 Thorium 228
NT1 Thorium 229
NT1 Thorium 230
NT1 Thorium 232
NT1 Thulium 153
NT1 Thulium 154
NT1 Thulium 155
NT1 Thulium 156
NT1 Thulium 157
NT1 Tungsten 158
NT1 Tungsten 159
NT1 Tungsten 160
NT1 Tungsten 161
NT1 Tungsten 162
NT1 Tungsten 163
NT1 Tungsten 164
NT1 Tungsten 165
NT1 Tungsten 166
NT1 Uranium 218
NT1 Uranium 219
NT1 Uranium 222
NT1 Uranium 223

NT1 Uranium 224
NT1 Uranium 225
NT1 Uranium 226
NT1 Uranium 227
NT1 Uranium 228
NT1 Uranium 229
NT1 Uranium 230
NT1 Uranium 231
NT1 Uranium 232
NT1 Uranium 233
NT1 Uranium 234
NT1 Uranium 235
NT1 Uranium 236
NT1 Uranium 238
NT1 Xenon 110
NT1 Xenon 111
NT1 Xenon 112
NT1 Ytterbium 154
NT1 Ytterbium 155
NT1 Ytterbium 156
NT1 Ytterbium 157
NT1 Ytterbium 158
RT Alpha Decay

ALPHA DETECTION [01]
DA December 1, 1974
BT1 Charged Particle Detection
BT2 Radiation Detection
BT3 Detection
RT Alpha Dosimetry
RT Alpha Spectrometers
RT Alpha Spectroscopy

ALPHA DEVICE [01]
DA December 1, 1974
BT1 TLP Devices
BT2 Toroidal Pinch Devices
BT3 Closed Plasma Devices
BT4 Thermonuclear Devices
BT3 Pinch Devices
BT4 Thermonuclear Devices

ALPHA DOSIMETRY [01]
DA December 1, 1974
BT1 Dosimetry
RT Alpha Detection

Alpha-Nitroso-beta-Naphthol
DA December 1, 1974
USE 1-Nitroso-2 Naphthol

Alpha Particle Model
DA December 1, 1974
USE Cluster Model

ALPHA PARTICLES [01]
(Emitted by nuclei.)
DA December 1, 1974
BT1 Charged Particles
NT1 Cosmic Alpha Particles
NT1 Delayed Alpha Particles
NT1 Solar Alpha Particles
RT Alpha Beams
RT Alpha Decay
RT Alpha Sources
RT Alpha Spectra
RT Geiger-Nuttall Law
RT Helium Ash
RT Helium Ions

ALPHA REACTIONS [01]
DA December 1, 1974
UF *Helium 4 Reactions*
BT1 Charged-Particle Reactions
BT2 Nuclear Reactions

ALPHA SOURCES [01]
DA December 1, 1974
BT1 Ion Sources
BT1 Particle Sources
BT2 Radiation Sources
RT Alpha Particles

ALPHA SPECTRA [01]
DA December 1, 1974
BT1 Spectra
RT Alpha Particles

ALPHA SPECTROMETERS [01]
DA December 1, 1974
BT1 Spectrometers
BT2 Measuring Instruments
RT Alpha Detection

ALPHA SPECTROSCOPY [01]
DA December 1, 1974
BT1 Spectroscopy
RT Alpha Detection

ALPHA-TRANSFER REACTIONS [01]
DA December 1, 1974
BT1 Four-Nucleon Transfer Reactions
BT2 Multi-Nucleon Transfer Reactions
BT3 Transfer Reactions
BT4 Direct Reactions
BT5 Nuclear Reactions

ALPS [01]
DA December 1, 1974
BT1 Mountains
RT Albania
RT Austria
RT Federal Republic of Germany
RT France
RT Italy
RT Switzerland
RT Yugoslavia

ALRR REACTOR [01]
(Ames Laboratory, Iowa State University, Ames, Iowa)
DA December 1, 1974
UF *Ames Laboratory Research Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Heavy Water Cooled Reactors
BT2 Reactors
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

ALS Storage Ring
DA June 11, 1992
USE Advanced Light Source

ALTAMAHA RIVER [01]
DA December 8, 1980
BT1 Rivers
BT2 Streams
BT3 Surface Waters
RT Georgia
RT Hydroelectric Power Plants

Alternate Fuels
(See specific fuel headings, e.g., GASOLINE, HYDROGEN FUELS, etc.)
DA March 29, 1979
SEE Fuel Substitution
OR Synthetic Fuels

ALTERNATING CURRENT [01]
DA December 1, 1974
UF *Current (Alternating)*
BT1 Electric Currents
BT2 Currents
RT Alternators
RT Parametric Instabilities

ALTERNATIVE WORK SCHEDULES
DA May 8, 1984
UF *Compressed Work Week*
UF *Flexitime*
UF *Part-Time Work Schedules*
UF *Shift Work*
BT1 Administrative Procedures
RT Personnel
RT Working Days

ALTERNATORS [01]
DA March 26, 1975
BT1 Electric Generators
RT Alternating Current
RT Automotive Accessories

Althein
DA December 1, 1974
USE Asparagine

ALTIMETERS [01]
DA December 1, 1974
BT1 Measuring Instruments

→ **ALTITUDE**
(Prior to December 1991 this was a valid descriptor. From December 1991 to August 1993 this concept was indexed to LEVELS.)
DA August 10, 1993
RT Azimuth
RT Height
RT Levels
RT Sun Charts

Alto Lazio-1 Reactor
DA April 9, 1985
USE Montalto Di Castro-1 Reactor

Alto Lazio-2 Reactor
DA April 9, 1985
USE Montalto Di Castro-2 Reactor

ALUDUR [01]
DA December 1, 1974
BT1 Aluminium Base Alloys
BT2 Aluminium Alloys
BT3 Alloys
BT1 Iron Additions
BT2 Iron Alloys
BT3 Alloys
BT1 Silicon Additions
BT2 Silicon Alloys
BT3 Alloys

ALUMEL
DA December 1, 1974
BT1 Alloy-Ni94Mn3Al2
BT2 Aluminium Alloys
BT3 Alloys
BT2 Manganese Alloys
BT3 Alloys
BT2 Nickel Base Alloys
BT3 Nickel Alloys
BT4 Alloys
BT2 Silicon Additions
BT3 Silicon Alloys
BT4 Alloys
BT1 Aluminium Alloys
BT2 Alloys
BT1 Iron Additions
BT2 Iron Alloys
BT3 Alloys
BT1 Manganese Alloys
BT2 Alloys
BT1 Nickel Base Alloys
BT2 Nickel Alloys
BT3 Alloys
BT1 Silicon Compounds

ALUMINATES [01]
(Specific compounds, except those of significance to energy research and development, should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
DA December 1, 1974
BT1 Aluminium Compounds
BT1 Oxygen Compounds
RT Aluminium Oxides

Aluminia
DA May 3, 1979
USE Aluminium Oxides

ALUMINIUM [01]
DA December 1, 1974
UF *Aluminum*
BT1 Metals
BT2 Elements
RT Hichlor Process

RT Lime-Soda Sinter Process
RT SAP

ALUMINIUM 22 [01]
DA October 19, 1977
BT1 Aluminium Isotopes
BT2 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

ALUMINIUM 23 [01]
DA December 1, 1974
BT1 Aluminium Isotopes
BT2 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

ALUMINIUM 24 [01]
DA December 1, 1974
BT1 Aluminium Isotopes
BT2 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ALUMINIUM 25 [01]
DA December 1, 1974
BT1 Aluminium Isotopes
BT2 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ALUMINIUM 25 TARGET [01]
DA May 25, 1979
BT1 Targets

ALUMINIUM 26 [01]
DA December 1, 1974
BT1 Aluminium Isotopes
BT2 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ALUMINIUM 26 TARGET [01]
DA November 8, 1982
BT1 Targets

ALUMINIUM 27 [01]
DA December 1, 1974
BT1 Aluminium Isotopes
BT2 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

ALUMINIUM 27 BEAMS [01]
DA April 13, 1977
BT1 Ion Beams
BT2 Beams

ALUMINIUM 27 REACTIONS [01]
DA October 19, 1978
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

ALUMINIUM 27 TARGET [01]
DA July 9, 1976
BT1 Targets

ALUMINIUM 28 [01]
DA December 1, 1974
BT1 Aluminium Isotopes
BT2 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

ALUMINIUM 28 TARGET [01]
DA May 25, 1979
BT1 Targets

ALUMINIUM 29 [01]
DA December 1, 1974
BT1 Aluminium Isotopes
BT2 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

ALUMINIUM 30 [01]
DA December 1, 1974
BT1 Aluminium Isotopes
BT2 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ALUMINIUM 31 [01]
DA December 1, 1974
BT1 Aluminium Isotopes
BT2 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

ALUMINIUM 32 [01]
DA December 1, 1974
BT1 Aluminium Isotopes
BT2 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

ALUMINIUM 33 [01]
DA December 1, 1974
BT1 Aluminium Isotopes
BT2 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei

ALUMINIUM 34 [01]
DA August 9, 1977
BT1 Aluminium Isotopes
BT2 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

ALUMINIUM 35 [01]
DA April 11, 1979
BT1 Aluminium Isotopes
BT2 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei

ALUMINIUM 36 [01]
DA February 11, 1980
BT1 Aluminium Isotopes
BT2 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei

ALUMINIUM 37 [01]
DA February 11, 1980
BT1 Aluminium Isotopes
BT2 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei

ALUMINIUM 38 [01]
DA October 16, 1989
BT1 Aluminium Isotopes
BT2 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei

ALUMINIUM 39 [01]
DA October 16, 1989
BT1 Aluminium Isotopes
BT2 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei

ALUMINIUM ADDITIONS [01]
DA December 1, 1974
BT1 Aluminium Alloys
BT2 Alloys
NT1 Alloy-Fe44Ni33Cr21
NT2 Incoloy 800H
NT1 Alloy-Fe46Ni33Cr21
NT2 Incoloy 800
NT2 Incoloy 802
NT2 Sanicro 30
NT1 Alloy-Fe48Cr24Ni24
NT2 Alloy-IN-519
NT1 Alloy-IN-102
NT1 Alloy-Ni42Fe36Cr12Mo6Ti3
NT2 Incoloy 901
NT1 Alloy-Ni43Fe30Cr22Mo3
NT2 Incoloy 825
NT1 Alloy-Ni53Cr19Fe19Nb5Mo3
NT2 Inconel 718
NT1 Alloy-Ni54Cr22Co13Mo9
NT2 Inconel 617
NT1 Alloy-Ni60Cr25W15
NT1 Alloy-Ni61Cr22Mo9Nb4Fe3
NT2 Inconel 625
NT1 Alloy-Ni62Cr16Mo15Fe3
NT2 Hastelloy S
NT1 Alloy-Ni70Mo17Cr7Fe5
NT2 Hastelloy N
NT2 Inor-8
NT1 Alloy-Ni73Cr15Fe7Ti3
NT2 Inconel X750
NT1 Alloy-Ni76Cr15Fe8
NT2 Inconel 600
NT1 Alloy-Ni77Cr20Ti2
NT1 Alloy-Ni78Cr21
NT1 Alloy-Ni80Cr20
NT1 Discaloy
NT1 Steel-Cr13Al
NT2 Stainless Steel-405
NT1 Steel-CrAlNiMo
NT1 Steel-Ni26Cr15Ti2MoVAlB
NT2 Alloy-A-286
NT1 Steel-Ni36Cr12Ti3Al-L

ALUMINIUM-AIR BATTERIES
DA March 4, 1980
BT1 Metal-Gas Batteries
BT2 Electric Batteries
BT3 Electrochemical Cells

ALUMINIUM ALLOYS [01]
DA December 1, 1974
BT1 Alloys
NT1 Alloy-B-1900
NT1 Alloy-D-979
NT1 Alloy-IN-853
NT1 Alloy-KhN50MBVYu
NT1 Alloy-Mar-M246
NT1 Alloy-MN-21
NT1 Alloy-Ni43Fe33Cr16Mo3
NT2 Nimonic PE16
NT1 Alloy-Ni46Cr23Co19Ti5Al4
NT2 Alloy-IN-939
NT1 Alloy-Ni48Co28Cr15Al3Mo3Ti2
NT2 Inconel 700
NT1 Alloy-Ni50Co20Cr15Al5Mo5
NT2 Nimonic 105
NT1 Alloy-Ni53Co19Cr15Mo5Al4Ti3
NT2 Udimet 700
NT1 Alloy-Ni55Co17Cr15Mo5Al4Ti4
NT2 Astroloy
NT1 Alloy-Ni55Cr19Co11Mo10Ti3
NT2 Rene 41
NT1 Alloy-Ni56Cr21W10Mo5Fe4Al2
NT1 Alloy-Ni58Cr14Co8Al4Mo4Nb4W4
NT2 Rene 95
NT1 Alloy-Ni58Cr20Co14Mo4Ti3
NT2 Waspaloy
NT1 Alloy-Ni59Cr20Co17Ti2
NT2 Nimonic 90
NT1 Alloy-Ni60Co15Cr10Al6Ti5Mo3
NT2 Alloy-IN-100
NT1 Alloy-Ni60Cr14Co10Ti5Mo4W4Al3
NT2 Rene 80
NT1 Alloy-Ni60Mo13Co9Cr8Nb4Al3
NT1 Alloy-Ni61Cr16Co9Al3Ti3W3
NT2 Alloy-IN-738
NT1 Alloy-Ni67Cr19Mo5W5Ti3
NT1 Alloy-Ni68Cr15W6Al3Mo3Fe2
NT1 Alloy-Ni74Cr13Al6Mo4
NT2 Inconel 713C
NT1 Alloy-Ni75Cr12Al6Mo5
NT2 Inconel 713LC
NT1 Alloy-Ni76Cr20Ti2
NT2 Nimonic 80A
NT1 Alloy-Ni77Cr17Al5
NT1 Alloy-Ni78Cr16Al4
NT2 Inconel 702
NT1 Alloy-Ni94Mn3Al2
NT2 Alumel
NT1 Alloy-NT25A5
NT1 Alloy-NX-188
NT1 Alloy-Ti78Cr11Mo7Al3
NT1 Alloy-Ti88Mo8Al3
NT1 Alloy-Ti89Al6Mo3
NT1 Alloy-Ti90Al6
NT1 Alloy-Ti90Al6Mo3
NT1 Alloy-Ti90Al6V4
NT1 Alloy-Ti90Mo7Al2
NT1 Alloy-Ti91Al4Mo3
NT1 Alloy-Ti91Al5Cr2
NT1 Alloy-YuNDK 25BA
NT1 ALNICO Alloys
NT1 Alumel
* NT1 Aluminium Additions
* NT1 Aluminium Base Alloys
NT1 Astroloy
NT1 Duranickel
NT1 GE 2541
NT1 Heusler Alloys
NT1 Hoskins 875
NT1 Kanthal
NT1 Magnesium Alloy-AZ31B
NT1 Nimonic 115
NT1 Rene 41
NT1 Rene 80
NT1 Rene 95
NT1 Rene-100
NT1 Sichromal Alloys
NT1 Stainless Steel-17-7PH
NT1 Steel-Ni35Cr18Mo4Ti2Al
NT2 Alloy-M-813
NT1 Tikonal
NT1 Transage 117
NT1 Transage 120
NT1 Transage 129
NT1 Transage 134
NT1 Transage 175
NT1 Udimet 700
NT1 Waspaloy
NT1 Zamak

ALUMINIUM ARSENIDE SOLAR CELLS [01]
DA July 18, 1981
BT1 Solar Cells
BT2 Photovoltaic Cells
BT3 Photoelectric Cells
BT4 Direct Energy Converters
BT2 Solar Equipment
BT3 Equipment

ALUMINIUM ARSENIDES [01]
DA April 8, 1975
BT1 Aluminium Compounds
BT1 Arsenides
BT2 Arsenic Compounds
BT2 Pnictides

ALUMINIUM BASE ALLOYS [01]
DA December 1, 1974
UF *Alloy-214X*
UF *Alloy-1915*
SF *Alloy-VAD23*
BT1 Aluminium Alloys
BT2 Alloys
NT1 Alloy-Al95Cu4
NT2 Duralumin
NT1 Aludur
NT1 Bondur
NT1 Duranalium
NT1 HEDDUR
NT1 Lynite
NT1 Magnalium

ALUMINIUM BORIDES [01]
DA December 1, 1974
BT1 Aluminium Compounds
BT1 Borides
BT2 Boron Compounds

ALUMINIUM BROMIDES [01]
DA December 1, 1974
BT1 Aluminium Compounds
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds

ALUMINIUM CARBIDES [01]
DA December 1, 1974
BT1 Aluminium Compounds
BT1 Carbides
BT2 Carbon Compounds

ALUMINIUM CHLORIDES [01]
DA December 1, 1974
BT1 Aluminium Compounds
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds

ALUMINIUM COMPLEXES [01]
DA December 1, 1974
BT1 Complexes

ALUMINIUM COMPOUNDS [01]
DA December 1, 1974
NT1 Aluminates
NT1 Aluminium Arsenides
NT1 Aluminium Borides
NT1 Aluminium Bromides
NT1 Aluminium Carbides
NT1 Aluminium Chlorides
NT1 Aluminium Fluorides
NT1 Aluminium Hydrides
NT1 Aluminium Hydroxides
NT2 Gibbsite
NT2 Nordstrandite
NT1 Aluminium Iodides
NT1 Aluminium Nitrates
NT1 Aluminium Nitrides
NT1 Aluminium Oxides
NT1 Aluminium Perchlorates
NT1 Aluminium Phosphates
NT2 Sabugalite
NT1 Aluminium Phosphides
NT1 Aluminium Selenides
NT1 Aluminium Silicates
NT2 Epidotes
NT2 Kaolinite
NT2 Orthoclase
NT2 Pyrophyllite
NT1 Aluminium Silicides
NT1 Aluminium Sulfates
NT2 Alunite
NT1 Aluminium Sulfides
NT1 Aluminium Tellurides
NT1 Aluminium Tungstates
NT1 Dawsonite

ALUMINIUM FLUORIDES [01]
DA December 1, 1974
BT1 Aluminium Compounds
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds

ALUMINIUM HYDRIDES [01]
DA December 1, 1974
BT1 Aluminium Compounds
BT1 Hydrides
BT2 Hydrogen Compounds

ALUMINIUM HYDROXIDES [01]
DA December 1, 1974
BT1 Aluminium Compounds
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds
NT1 Gibbsite
NT1 Nordstrandite
RT Bauxite

ALUMINIUM IODIDES [01]
DA December 1, 1974
BT1 Aluminium Compounds
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds

ALUMINIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

ALUMINIUM ISOTOPES [01]
DA December 1, 1974
BT1 Isotopes
NT1 Aluminium 22
NT1 Aluminium 23
NT1 Aluminium 24
NT1 Aluminium 25
NT1 Aluminium 26
NT1 Aluminium 27
NT1 Aluminium 28
NT1 Aluminium 29
NT1 Aluminium 30
NT1 Aluminium 31
NT1 Aluminium 32
NT1 Aluminium 33
NT1 Aluminium 34
NT1 Aluminium 35
NT1 Aluminium 36
NT1 Aluminium 37
NT1 Aluminium 38
NT1 Aluminium 39

ALUMINIUM NITRATES [01]
DA December 1, 1974
BT1 Aluminium Compounds
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds

ALUMINIUM NITRIDES [01]
DA December 1, 1974
BT1 Aluminium Compounds
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides

ALUMINIUM ORES [01]
DA September 11, 1975
BT1 Ores
NT1 Bauxite

ALUMINIUM OXIDES [01]
DA December 1, 1974
UF *Aluminia*
UF+ *SIALON*
UF+ *Yttrium Aluminium Garnets*
BT1 Aluminium Compounds
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds
RT Aluminates
RT Chrysoberyl
RT Corundum
RT Hollandite
RT Integrated In-Situ Process
RT Oxide Minerals
RT Spinels

ALUMINIUM PERCHLORATES [01]
DA March 20, 1989
BT1 Aluminium Compounds
BT1 Perchlorates
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Oxygen Compounds

ALUMINIUM PHOSPHATES [01]
DA December 1, 1974
BT1 Aluminium Compounds
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds
NT1 Sabugalite
RT Florencite
RT Phosphate Minerals

ALUMINIUM PHOSPHIDES [01]
DA February 11, 1980
BT1 Aluminium Compounds
BT1 Phosphides
BT2 Phosphorus Compounds
BT2 Pnictides

ALUMINIUM SELENIDES [01]
DA September 13, 1978
BT1 Aluminium Compounds
BT1 Selenides
BT2 Chalcogenides
BT2 Selenium Compounds

ALUMINIUM SILICATES [01]
DA December 1, 1974
BT1 Aluminium Compounds
BT1 Silicates
BT2 Oxygen Compounds
BT2 Silicon Compounds
NT1 Epidotes
NT1 Kaolinite
NT1 Orthoclase
NT1 Pyrophyllite
RT Petalite
RT Pollucite
RT Silicate Minerals
RT Smectite
RT Tourmaline
RT Vermiculite

ALUMINIUM SILICIDES [01]
DA October 28, 1975
BT1 Aluminium Compounds
BT1 Silicides
BT2 Silicon Compounds

ALUMINIUM SULFATES [01]
DA December 1, 1974
BT1 Aluminium Compounds
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds
NT1 Alunite
RT Sulfate Minerals

ALUMINIUM SULFIDES [01]
DA December 1, 1974
BT1 Aluminium Compounds
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds

ALUMINIUM TELLURIDES [01]
DA September 11, 1975
BT1 Aluminium Compounds
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds

ALUMINIUM TUNGSTATES [01]
DA October 23, 1979
BT1 Aluminium Compounds
BT1 Tungstates

ALUMINON [01]
DA December 1, 1974
UF *Aurintricarboxylic Acid*
UF *Chrome Violet*
BT1 Hydroxy Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT1 Reagents
BT1 Triphenylmethane Dyes
BT2 Dyes

Aluminum
DA March 16, 1981
USE Aluminium

ALUNITE
DA April 8, 1975
BT1 Aluminium Sulfates
BT2 Aluminium Compounds
BT2 Sulfates
BT3 Oxygen Compounds
BT3 Sulfur Compounds
BT1 Potassium Sulfates
BT2 Potassium Compounds
BT3 Alkali Metal Compounds
BT2 Sulfates
BT3 Oxygen Compounds
BT3 Sulfur Compounds
BT1 Sulfate Minerals
BT2 Minerals
DEF A mineral, $KAl_3(SO_4)_2(OH)_6$, hexagonal rhombohedral, usually in white, gray or pink masses in hydrothermally altered feldspathic rock.

Alveoli (Dental)
DA December 1, 1974
USE Jaw

Alveoli (Pulmonary)
DA December 1, 1974
USE Lungs

ALVITE [01]
DA December 1, 1974
BT1 Silicate Minerals
BT2 Minerals
RT Zirconium Silicates

ALWAC COMPUTERS [01]
DA December 1, 1974
BT1 Computers

AM-1 Reactor
DA December 1, 1974
USE APS Reactor

Amalgams
DA December 1, 1974
USE Mercury Alloys

AMAZON RIVER [01]
DA August 9, 1977
BT1 Rivers
BT2 Streams
BT3 Surface Waters
RT Brazil
RT Peru

AMBER [01]
DA December 1, 1974
BT1 Other Organic Compounds
BT2 Organic Compounds

Amberlite
DA December 1, 1974
USE Organic Ion Exchangers

AMBIENT TEMPERATURE [01]
DA March 22, 1976
UF *Environmental Temperature*
UF *Temperature (Ambient)*
RT Climate Models
RT Nuclear Winter
RT Temperature Control
RT Temperature Dependence
RT Temperature Distribution
RT Temperature Gradients
RT Temperature Measurement
DEF Temperature of surrounding medium, includes atmospheric temperature.

AMBIPLASMA [01]
(Containing both matter and antimatter.)
DA December 1, 1974
BT1 Plasma
RT Antimatter
RT Matter

AMBIPOLAR DIFFUSION [01]
DA December 1, 1974
BT1 Diffusion
RT Electron Drift
RT Ion Drift
RT Plasma Drift

AMBROSIA LAKE [01]
DA December 1, 1974
BT1 Lakes
BT2 Surface Waters

AMCHITKA ISLAND AREA [01]
DA December 1, 1974
BT1 Aleutian Islands
BT2 Islands
RT Alaska

AMDAHL COMPUTERS [01]
DA September 19, 1977
BT1 Computers

Ameba
DA December 1, 1974
USE Amoeba

AMENDMENTS [01]
DA December 10, 1979
RT Laws
RT Legal Aspects
RT Legislation
RT Regulations

Amenorrhea
DA December 1, 1974
USE Menstruation Disorders

American Blacks
DA March 17, 1981
USE Black Americans

American Hispanics
DA January 21, 1982
USE Hispanic Americans

AMERICAN INDIANS
DA November 29, 1977
UF *Indians (American)*
BT1 Minority Groups
BT2 Human Populations
BT3 Populations
RT Indian Reservations

American Orientals
DA January 21, 1982
USE Oriental Americans

AMERICAN SAMOA
DA September 26, 1979
BT1 USA
BT2 Developed Countries
BT2 North America

AMERICIUM [01]
DA December 1, 1974
BT1 Actinides
BT2 Metals
BT3 Elements
BT1 Transplutonium Elements
BT2 Transuranium Elements
BT3 Elements

AMERICIUM 232 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Americium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

AMERICIUM 234 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Americium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

AMERICIUM 236 [01]
DA November 9, 1977
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Americium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

AMERICIUM 237 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Americium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

AMERICIUM 238 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Americium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

AMERICIUM 239 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Americium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

AMERICIUM 240 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Americium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

AMERICIUM 241 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Americium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

AMERICIUM 241 TARGET [01]
DA July 9, 1976
BT1 Targets

AMERICIUM 242 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Americium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

AMERICIUM 242 TARGET [01]
DA July 9, 1976
BT1 Targets

AMERICIUM 243 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Americium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

AMERICIUM 243 TARGET [01]
DA July 9, 1976
BT1 Targets

AMERICIUM 244 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Americium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

AMERICIUM 245 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Americium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

AMERICIUM 246 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Americium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

AMERICIUM 247 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Americium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

AMERICIUM ADDITIONS [01]
DA December 1, 1974
BT1 Americium Alloys
BT2 Actinide Alloys
BT3 Alloys

AMERICIUM ALLOYS [01]
DA December 1, 1974
BT1 Actinide Alloys
BT2 Alloys
NT1 Americium Additions
NT1 Americium Base Alloys

AMERICIUM ARSENIDES [01]
DA December 16, 1976
BT1 Americium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Arsenides
BT2 Arsenic Compounds
BT2 Pnictides

AMERICIUM BASE ALLOYS [01]
DA December 1, 1974
BT1 Americium Alloys
BT2 Actinide Alloys
BT3 Alloys

AMERICIUM BROMIDES [01]
DA December 1, 1974
BT1 Americium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds

AMERICIUM CARBIDES [01]
DA December 1, 1974
BT1 Americium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Carbides
BT2 Carbon Compounds

AMERICIUM CARBONATES [01]
DA December 1, 1974
BT1 Americium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Carbonates
BT2 Carbon Compounds
BT2 Oxygen Compounds

AMERICIUM CHLORIDES [01]
DA December 1, 1974
BT1 Americium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds

AMERICIUM COMPLEXES [01]
DA December 1, 1974
BT1 Actinide Complexes
BT2 Complexes
BT1 Transuranium Complexes

AMERICIUM COMPOUNDS [01]
DA December 1, 1974
UF+ *Americium Phosphides*
BT1 Actinide Compounds
BT1 Transplutonium Compounds
BT2 Transuranium Compounds
NT1 Americium Arsenides
NT1 Americium Bromides
NT1 Americium Carbides
NT1 Americium Carbonates
NT1 Americium Chlorides
NT1 Americium Fluorides
NT1 Americium Hydrides
NT1 Americium Hydroxides
NT1 Americium Iodides
NT1 Americium Nitrates
NT1 Americium Nitrides
NT1 Americium Oxides
NT1 Americium Perchlorates
NT1 Americium Phosphates
NT1 Americium Selenides
NT1 Americium Silicates
NT1 Americium Silicides
NT1 Americium Sulfates
NT1 Americium Sulfides
NT1 Americium Tellurides

AMERICIUM FLUORIDES [01]
DA December 1, 1974
BT1 Americium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds

AMERICIUM HYDRIDES [01]
DA April 8, 1975
BT1 Americium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Hydrides
BT2 Hydrogen Compounds

AMERICIUM HYDROXIDES [01]
DA December 1, 1974
BT1 Americium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds

AMERICIUM IODIDES [01]
DA December 1, 1974
BT1 Americium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds

AMERICIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

AMERICIUM ISOTOPES [01]
DA December 1, 1974
BT1 Actinide Isotopes
BT2 Isotopes
NT1 Americium 232
NT1 Americium 234
NT1 Americium 236
NT1 Americium 237
NT1 Americium 238
NT1 Americium 239
NT1 Americium 240
NT1 Americium 241
NT1 Americium 242
NT1 Americium 243
NT1 Americium 244
NT1 Americium 245
NT1 Americium 246
NT1 Americium 247

AMERICIUM NITRATES [01]
DA December 1, 1974
BT1 Americium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds

AMERICIUM NITRIDES [01]
DA December 1, 1974
BT1 Americium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides

AMERICIUM OXIDES [01]
DA December 1, 1974
BT1 Americium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds

AMERICIUM PERCHLORATES [01]
DA October 19, 1978
BT1 Americium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Perchlorates
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Oxygen Compounds

AMERICIUM PHOSPHATES [01]
DA September 11, 1978
BT1 Americium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds

Americium Phosphides
(Prior to January 1993, this was a valid descriptor.)
DA June 12, 1975
USE Americium Compounds
AND Phosphides

AMERICIUM SELENIDES [01]
DA January 23, 1976
BT1 Americium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Selenides
BT2 Chalcogenides
BT2 Selenium Compounds

AMERICIUM SILICATES [01]
DA September 5, 1984
BT1 Americium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Silicates
BT2 Oxygen Compounds
BT2 Silicon Compounds

AMERICIUM SILICIDES [01]
DA December 11, 1978
BT1 Americium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Silicides
BT2 Silicon Compounds

AMERICIUM SULFATES [01]
DA January 20, 1975
BT1 Americium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds

AMERICIUM SULFIDES [01]
DA January 20, 1975
BT1 Americium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds

AMERICIUM TELLURIDES [01]
DA January 23, 1976
BT1 Americium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds

AMES LABORATORY [01]
DA December 1, 1974
BT1 US AEC
BT2 US Organizations
BT3 National Organizations
BT1 US DOE
BT2 US Organizations
BT3 National Organizations
BT1 US ERDA
BT2 US Organizations
BT3 National Organizations
RT Iowa

Ames Laboratory Research Reactor
DA December 1, 1974
USE ALRR Reactor

Ames Test
DA November 14, 1978
USE Mutagen Screening

AMES WET OXIDATION PROCESS
DA September 4, 1980
BT1 Desulfurization
BT2 Chemical Reactions
DEF This process, similar to the Ledgemont and Pittsburgh processes, uses alkaline leaching solution to improve the extraction of pyritic sulfur, remove some organic sulfur, and be less corrosive.

Amethopterin
DA December 1, 1974
USE Methotrexate

AMEX PROCESS [01]
DA December 1, 1974
BT1 Reprocessing
BT2 Separation Processes
RT Amines
RT Solvent Extraction

AMIDASES [01]
(Code number 3.5.1.)
DA January 30, 1981
BT1 Non-Peptide C-N Hydrolases
BT2 Hydrolases
BT3 Enzymes
BT4 Proteins
BT5 Organic Compounds
NT1 Arginase

AMIDES [01]
DA December 1, 1974
BT1 Organic Nitrogen Compounds
BT2 Organic Compounds
NT1 Acetamide
NT2 Ioglycamic Acid
NT1 Acrylamide
NT1 Asparagine
NT1 Formamide
NT1 Glutamine
NT1 Hydroxyurea
NT1 Hypaque
NT1 Lactams
NT2 Pyrrolidones
NT3 PVP
NT1 Metrizamide
NT1 Nicotinamide
NT1 Phenatine
NT1 Sulfenamides
NT1 Sulfonamides
NT2 Sulfadiazine
NT1 Thionalide
NT1 Urea
RT BPH
RT Cerebrosides
RT Chloramines
RT Guanidines
RT Polyamides
RT Thioureas

AMIDINASES [01]
(Code number 3.5.3.)
DA February 18, 1981
BT1 Non-Peptide C-N Hydrolases
BT2 Hydrolases
BT3 Enzymes
BT4 Proteins
BT5 Organic Compounds
NT1 Urease

AMIDINES [01]
DA December 1, 1974
UF *Iminoamides*
BT1 Organic Nitrogen Compounds
BT2 Organic Compounds
NT1 Stilbamidine

AMIDOL [01]
DA December 1, 1974
BT1 Amines
BT2 Organic Compounds
BT1 Developers
BT1 Phenols
BT2 Aromatics
BT3 Organic Compounds
BT2 Hydroxy Compounds
BT3 Organic Compounds
BT1 Reagents

AMINATION [01]
DA December 1, 1974
BT1 Chemical Reactions
RT Deamination

AMINE OXIDASES [01]
(Code numbers 1.4 and 1.5)
DA January 12, 1981
BT1 Oxidoreductases
BT2 Enzymes
BT3 Proteins
BT4 Organic Compounds
NT1 Histaminase

AMINES [01]
DA December 1, 1974
UF+ *Amino Alcohols*
UF+ *Amino Sugars*
UF+ *Aminoglycides*
BT1 Organic Compounds
NT1 Acridine Orange
NT1 Adenines
NT2 Kinetin
NT1 AET
NT1 Amidol
NT1 Aminopterin
NT1 Amphetamines
NT1 Aniline
NT1 Arsanilic Acid

NT1 Benzedrine
NT1 Benzidine
NT1 BPH
NT1 Bromamines
NT1 Cadaverine
NT1 Catecholamines
NT1 Cephalins
NT1 Chlorambucil
NT1 Chloramines
NT1 Chlorpromazine
NT1 Congo Red
NT1 Cupferron
NT1 Cystamine
NT1 Cystaphos
NT1 Cytosine
NT1 Cytriphos
NT1 Deferoxamine
NT1 Dopamine
NT1 Ephedrine
NT1 Flavines
NT2 Acriflavine
NT2 Proflavine
NT1 Gammaphos
NT1 Guanine
NT1 Hexosamines
NT2 Glucosamine
NT1 Histamine
NT1 Hydroxamic Acids
NT2 Benzohydroxamic Acid
NT1 Hydroxylamine
NT2 Neocupferron
NT1 Imipramine
NT1 Luminol
NT1 MEA
NT1 Melamine
NT1 Methyl Orange
NT1 Methyl Violet
NT1 Methylamine
NT1 Methylene Blue
NT1 Morpholines
NT1 Mucopolysaccharides
NT2 Chitin
NT2 Chondroitin
NT2 Heparin
NT2 Hyaluronic Acid
NT1 Neutral Red
NT1 Nitrogen Mustard
NT1 Nitrosamines
NT1 Oximes
NT2 Benzoinoxime
NT2 Dimethylglyoxime
NT2 Furildioxime
NT1 PAPP
NT1 Piperidines
NT2 Dipyridamole
NT2 Pethidine
NT2 Triacetoneamine-N-Oxyl
NT1 Polycyclic Aromatic Amines
NT1 Primene
NT1 Putrescine
NT1 Pyrrolidines
NT2 Hydroxyproline
NT2 Nicotine
NT2 Proline
* NT1 Quaternary Compounds
NT1 Rhodamines
NT1 Spermidine
NT1 Spermine
NT1 Sulfadiazine
NT1 Sulfanilic Acid
NT1 Taurine
NT1 TDA
NT1 TETA
NT1 Tetryl
NT1 Thiamine
NT1 Thionine
NT1 TNA
NT1 TOA
NT1 Toluidines
NT1 Tridodecylamine
NT1 Trypan Blue
NT1 Tryptamines
NT2 Melatonin
NT2 Serotonin
NT3 Bufotenine
NT1 Tyramine
NT1 Urotropin
RT AMEX Process
RT EUREX Process
RT Piperazines
RT Sialic Acid
RT Tramex Process

5-Amino-2,3-Dihydro-1,4-Pthalazine-Dione
DA January 21, 1982
USE Luminol

AMINO ACID SEQUENCE [01]
DA January 27, 1984
UF *Protein Sequencing*
BT1 Molecular Structure
RT Protein Engineering
RT Proteins
RT Structural Chemical Analysis

AMINO ACIDS [01]
(Organic acids containing both a basic amino group and an acidic carboxyl group.)
DA December 1, 1974
BT1 Carboxylic Acids
BT2 Organic Acids
BT3 Organic Compounds
NT1 Alanines
NT2 Alanine-Alpha
NT3 Alanine-L
NT2 Alanine-Beta
NT1 Aminoadipic Acid
NT1 Aminobutyric Acid
NT1 Aminolevulinic Acid
NT1 Anthranilic Acid
NT1 Arginine
NT1 Asparagine
NT1 Aspartic Acid
NT1 Betaine
NT1 Carnitine
NT1 CDTA
NT1 Citrulline
NT1 CPDTA
NT1 Creatine
NT1 Cysteine
NT1 Cystine
NT1 DCTA
NT1 Diiodotyrosine
NT1 DOPA
NT1 DTPA
NT1 EDDHA
NT1 EDTA
NT1 Ethionine
NT1 Folic Acid
NT1 Glutamic Acid
NT2 Pyridoxylideneglutamate
NT1 Glutamine
NT1 Glycine
NT1 HEDTA
NT1 HEIDA
NT1 Hippuric Acid
NT1 Histidine
NT1 HMDTA
NT1 Homocysteine
NT1 Homocystine
NT1 Hydroxyproline
NT1 Hydroxytryptophan
NT1 Kynurenine
NT1 Leucine
NT1 Lysine
NT1 Methionine
NT1 Methyl Red
NT1 Methyl Tyrosine
NT1 Mimosine
NT1 MPG
NT1 NTA
NT1 Ornithine
NT1 PABA
NT1 Pantothenic Acid
NT1 PAS
NT1 Penicillamine
NT1 Phenylalanine
NT1 Phosphocreatine
NT1 Proline
NT1 Sarcosine
NT1 Serine
NT1 TETAHA
NT1 Threonine
NT1 Thyronine
NT1 Thyroxine
NT1 Tryptophan
NT1 Tyrosine
NT1 Valine
RT Glycylglycine
RT Lactams
RT Protein Structure
RT Proteins

Amino Alcohols
DA December 1, 1974
USE Alcohols
AND Amines

Amino Sugars
DA December 1, 1974
USE Amines
AND Saccharides

Aminoacetic Acid
DA December 1, 1974
USE Glycine

AMINOADIPIC ACID [01]
DA December 1, 1974
BT1 Amino Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds

Aminobenzene
DA December 1, 1974
USE Aniline

Aminobenzenesulfonic Acid-para
DA December 1, 1974
USE Sulfanilic Acid

Aminobenzoic Acid-ortho
DA December 1, 1974
USE Anthranilic Acid

Aminobenzoic Acid-para
DA December 1, 1974
USE PABA

AMINOBUTYRIC ACID [01]
DA December 1, 1974
BT1 Amino Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT1 Neuroregulators
BT2 Autonomic Nervous System Agents
BT3 Drugs

Aminoethanesulfonic Acid
DA December 1, 1974
USE Taurine

Aminoethanethiol
DA December 1, 1974
USE MEA

Aminoethylisothiuronium Bromide
DA December 1, 1974
USE AET

Aminoethylthiopseudourea
DA December 1, 1974
USE AET

Aminoglutaric Acid-alpha
DA December 1, 1974
USE Glutamic Acid

Aminoglycides
DA December 1, 1974
USE Amines
AND Saccharides

Aminohypoxanthine
DA December 1, 1974
USE Guanine

Aminoisocaproic Acid-alpha
DA December 1, 1974
USE Leucine

Aminoisovaleric Acid-alpha
DA December 1, 1974
USE Valine

AMINOLEVULINIC ACID [01]
DA December 1, 1974
BT1 Amino Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds

AMINOPEPTIDASES [01]
(Code Numbers 3.4.11.)
DA January 12, 1981
BT1 Peptide Hydrolases
BT2 Hydrolases
BT3 Enzymes
BT4 Proteins
BT5 Organic Compounds

Aminophenylacetic Acid-alpha
DA December 1, 1974
USE Phenylalanine

Aminopropionic Acid-alpha
DA December 1, 1974
USE Alanine-Alpha

Aminopropionic Acid-beta
DA December 1, 1974
USE Alanine Beta

Aminopropiophenone-para
DA December 1, 1974
USE PAPP

AMINOPTERIN [01]
DA December 1, 1974
BT1 Amines
BT2 Organic Compounds
BT1 Antimetabolites
BT2 Drugs
BT1 Pteridines
BT2 Azaarenes
BT3 Aromatics
BT4 Organic Compounds
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds

6-Aminopurine
DA December 1, 1974
USE Adenines

Aminosalicylic Acid-para
DA December 1, 1974
USE PAS

Aminosuccinamic Acid-alpha
DA December 1, 1974
USE Asparagine

Aminosuccinic Acid
DA December 1, 1974
USE Aspartic Acid

Aminotoluenes
DA December 1, 1974
USE Toluidines

AMINOTRANSFERASES [01]
(Code number 2.6.1.)
DA December 1, 1974
UF *Transaminases*
BT1 Nitrogen Transferases
BT2 Transferases
BT3 Enzymes
BT4 Proteins
BT5 Organic Compounds

Amipaque
DA September 22, 1981
USE Metrizamide

AMISOL PROCESS
DA January 27, 1975
BT1 Desulfurization
BT2 Chemical Reactions
DEF Process for complete desulfurization of gases with low CO_2 contents.

AMMETERS [01]
DA December 1, 1974
BT1 Electric Measuring Instruments
BT2 Electrical Equipment
BT3 Equipment
BT2 Measuring Instruments

AMMINES
DA February 5, 1975
BT1 Complexes
RT Ammonia

AMMONIA [01]
DA December 1, 1974
BT1 Nitrogen Hydrides
BT2 Hydrides
BT3 Hydrogen Compounds
BT2 Nitrogen Compounds
RT Ammines
RT Ammonolysis
RT CYAM Process
RT PHOSAM Process
RT Quaternary Compounds
RT Refrigerants

AMMONIA-AMMONIUM BISULFATE PROCESS
DA April 12, 1977
BT1 Desulfurization
BT2 Chemical Reactions
RT Waste Processing
DEF Regenerable process to remove SO_2 from flue gas by absorption in an aqueous ammonium sulfite and bisulfite solution.

AMMONIA FUEL CELLS [01]
DA January 23, 1975
BT1 Fuel Cells
BT2 Direct Energy Converters
BT2 Electrochemical Cells

AMMONIUM CARBONATES [01]
DA December 20, 1978
BT1 Ammonium Compounds
BT1 Carbonates
BT2 Carbon Compounds
BT2 Oxygen Compounds
NT1 AUC

AMMONIUM CHLORIDES [01]
DA December 16, 1975
BT1 Ammonium Halides
BT2 Ammonium Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds

AMMONIUM COMPLEXES [01]
DA February 9, 1982
BT1 Complexes

AMMONIUM COMPOUNDS [01]
DA December 1, 1974
NT1 Ammonium Carbonates
NT2 AUC
NT1 Ammonium Halides
NT2 Ammonium Chlorides
NT2 Ammonium Fluorides
NT1 Ammonium Hydroxides
NT1 Ammonium Nitrates
NT1 Ammonium Perchlorates
NT1 Ammonium Phosphates
NT1 Ammonium Sulfates
NT1 Ammonium Thiocyanates
NT1 Ammonium Tungstates
NT1 Ammonium Uranates
NT2 ADU
* **NT1** Quaternary Compounds

Ammonium Diuranate
DA December 1, 1974
USE ADU

AMMONIUM FLUORIDES [01]
DA October 23, 1979
BT1 Ammonium Halides
BT2 Ammonium Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds

AMMONIUM HALIDES [01]
DA March 8, 1977
BT1 Ammonium Compounds
BT1 Halides
BT2 Halogen Compounds
NT1 Ammonium Chlorides
NT1 Ammonium Fluorides

AMMONIUM HYDROXIDES [01]
DA December 1, 1974
BT1 Ammonium Compounds
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds

AMMONIUM NITRATES [01]
DA December 16, 1975
BT1 Ammonium Compounds
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds

AMMONIUM PERCHLORATES [01]
DA August 4, 1976
BT1 Ammonium Compounds
BT1 Perchlorates
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Oxygen Compounds
RT Propellants

AMMONIUM PHOSPHATES [01]
DA April 28, 1978
BT1 Ammonium Compounds
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds

AMMONIUM SULFATES [01]
DA April 19, 1976
BT1 Ammonium Compounds
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds

AMMONIUM THIOCYANATES [01]
DA September 10, 1982
BT1 Ammonium Compounds
BT1 Thiocyanates
BT2 Antithyroid Drugs
BT3 Hormone Antagonists
BT4 Drugs
BT2 Carbonic Acid Derivatives
BT3 Organic Compounds
BT2 Organic Sulfur Compounds
BT3 Organic Compounds

AMMONIUM TUNGSTATES [01]
DA June 2, 1977
BT1 Ammonium Compounds
BT1 Tungstates

AMMONIUM URANATES [01]
DA January 20, 1975
BT1 Ammonium Compounds
BT1 Uranates
BT2 Uranium Compounds
BT3 Actinide Compounds
NT1 ADU

Ammonium Uranyl Carbonates
DA November 23, 1979
USE AUC

AMMONOLYSIS [01]
DA December 1, 1974
BT1 Solvolysis
BT2 Decomposition
BT3 Chemical Reactions
RT Ammonia

AMMUNITION
DA April 19, 1976
RT Explosives
RT Guns
RT Military Equipment
RT Missiles
RT Ordnance
RT Pyrotechnic Devices
RT Rockets
RT Shaped Charges
RT Weapons

Amnion
DA December 1, 1974
USE Fetal Membranes

Amnion Cells
DA December 1, 1974
USE Embryonic Cells

AMNIOTIC FLUID [01]
DA December 16, 1975
BT1 Body Fluids
BT2 Biological Materials
BT3 Materials
RT Embryos
RT Fetuses

Amobarbital
DA December 1, 1974
USE Amytal

Amoco CBA Process
DA August 9, 1977
USE Amoco Sulfur Recovery Process

AMOCO SULFUR RECOVERY PROCESS
DA January 23, 1976
UF *Amoco CBA Process*
UF *CBA Process*
BT1 Desulfurization
BT2 Chemical Reactions
DEF Recovery of elemental sulfur from process streams containing hydrogen sulfide.

AMOEBA [01]
DA December 1, 1974
UF *Ameba*
BT1 Sarcodina
BT2 Protozoa
BT3 Invertebrates
BT4 Animals
BT3 Microorganisms
RT Phagocytosis

AMOEBA EFFECT [01]
DA September 11, 1975
UF *Migration (Kernel)*
RT Coated Fuel Particles
RT Failures
RT Physical Radiation Effects
RT Reliability
DEF Unidirectional migration and penetration of the fuel kernel through the particle coating, caused by thermal stresses occurring in the course of irradiation.

AMORPHOUS STATE [01]
DA December 1, 1974
RT Crystallization

AMORTIZATION [01]
DA May 21, 1983
RT Accounting
RT Cancellation
RT Financing

AMOUYAL-BENOIST-HOROWITZ METHOD [01]
DA December 1, 1974
RT Neutron Transport Theory

AMP [01]
DA December 1, 1974
UF *Adenosine Monophosphate*
UF *CAMP*
UF *Cyclic Adenosine Monophosphate*
BT1 Nucleotides
BT2 Organic Compounds
RT Adenines

AMP BEAM CURRENTS [01]
(From 1 to 1000 amp.)
DA December 1, 1974
BT1 Beam Currents
BT2 Currents

AMPEROMETRY [01]
DA December 1, 1974
BT1 Titration
RT Quantitative Chemical Analysis

AMPHETAMINES [01]
(Prior to April 1981, this concept was indexed to BENZEDRINE.)
DA April 20, 1981
BT1 Amines
BT2 Organic Compounds
BT1 Analeptics
BT2 Central Nervous System Agents
BT3 Drugs
BT1 Sympathomimetics
BT2 Autonomic Nervous System Agents
BT3 Drugs

AMPHIBIANS [01]
DA December 1, 1974
UF+ *Tadpoles*
BT1 Aquatic Organisms
BT1 Vertebrates
BT2 Animals
NT1 Frogs
NT1 Salamanders
NT2 Axolotl
NT2 Triturus
NT1 Toads
RT Aquatic Ecosystems
RT Larvae
RT Metamorphosis

AMPHIBOLE [01]
DA December 1, 1974
BT1 Silicate Minerals
BT2 Minerals
NT1 Hornblende
DEF A group of dark, rock-forming, ferromagnesian silicate minerals closely related in crystal form and composition.

AMPHIBOLITES
DA August 12, 1980
BT1 Metamorphic Rocks
BT2 Rocks

AMPLIFICATION [01]
DA August 4, 1981
NT1 Gain
RT Amplifiers
RT Amplitudes
RT Fluidic Devices
RT Lasers

AMPLIFIERS [01]
DA December 1, 1974
BT1 Electronic Equipment
BT2 Equipment
NT1 AC Amplifiers
NT1 DC Amplifiers
NT1 Dielectric Amplifiers
NT1 High Frequency Amplifiers
NT1 Lock-In Amplifiers
NT1 Magnetic Amplifiers
NT1 Microwave Amplifiers
NT2 Masers
NT1 Operational Amplifiers
NT1 Parametric Amplifiers
NT1 Power Amplifiers
NT1 Preamplifiers
NT1 Pulse Amplifiers
NT1 Transistor Amplifiers
RT Amplification
RT Electronic Circuits
RT Gain

AMPLITUDES [01]
DA December 1, 1974
NT1 Scattering Amplitudes
NT1 Transition Amplitudes
NT2 Decay Amplitudes
RT Amplification
RT Dimensions
RT Mechanical Vibrations
RT Oscillations
RT Wave Propagation

AMSCO [01]
DA December 1, 1974
BT1 Organic Solvents
BT2 Solvents
RT Hydrocarbons

Amygdalic Acid
DA December 1, 1974
USE Mandelic Acid

Amyl Alcohols
DA December 1, 1974
USE Pentanols

Amyl Radicals
DA December 1, 1974
USE Pentyl Radicals

AMYLASE [01]
(Code numbers 3.2.1.1, 3.2.1.2, and 3.2.1.3.)
DA December 1, 1974
UF+ *Isoamylase*
BT1 O-Glycosyl Hydrolases
BT2 Glycosyl Hydrolases
BT3 Hydrolases
BT4 Enzymes
BT5 Proteins
BT6 Organic Compounds
RT Digestion
RT Pancreas
RT Saliva

Amylum
DA December 1, 1974
USE Starch

AMYTAL [01]
DA December 1, 1974
UF *Amobarbital*
BT1 Barbiturates
BT2 Anesthetics
BT3 Central Nervous System Depressants
BT4 Drugs
BT2 Hypnotics and Sedatives
BT3 Central Nervous System Depressants
BT4 Drugs
BT2 Organic Oxygen Compounds
BT3 Organic Compounds
BT2 Pyrimidines
BT3 Azines
BT4 Heterocyclic Compounds
BT5 Organic Compounds
BT4 Organic Nitrogen Compounds
BT5 Organic Compounds

ANABOLISM [01]
DA December 1, 1974
BT1 Metabolism
RT Androgens
RT Biosynthesis
RT STH

ANACONDA URANIUM MILL [01]
DA December 17, 1979
BT1 Feed Materials Plants
BT2 Industrial Plants
BT2 Nuclear Facilities
RT New Mexico
RT Ore Processing
RT Uranium Ores

ANADROMOUS FISHES [01]
DA March 7, 1983
BT1 Fishes
BT2 Aquatic Organisms
BT2 Vertebrates
BT3 Animals
NT1 Salmon
NT1 Striped Bass
RT Fish Passage Facilities
RT Fishing Industry
RT Ichthyoplankton
DEF Fishes that ascend fresh-water streams from the sea to spawn.

ANAEROBIC CONDITIONS [01]
DA November 28, 1975
RT Anaerobic Digestion
RT Biodegradation
RT Decomposition
RT Dissolved Gases
RT Oxygen Enhancement Ratio
RT Zymomonas Mobilis

ANAEROBIC DIGESTION [01]
DA July 29, 1975
SF *Microbial Processes*
BT1 Bioconversion
BT1 Digestion
BT1 Waste Processing
BT2 Processing
BT2 Waste Management
BT3 Management
NT1 BIOGAS Process
RT Anaerobic Conditions
RT Batch Culture
RT Cell Recycle
RT Continuous Culture
RT Fermentation
RT Mesophilic Conditions
RT Microorganisms
RT Semibatch Culture
RT Sewage Sludge
RT Synthetic Fuels
RT Thermophilic Conditions

ANALCIME
DA April 8, 1975
BT1 Zeolites
BT2 Inorganic Ion Exchangers
BT3 Ion Exchange Materials
BT4 Materials
BT2 Silicate Minerals
BT3 Minerals
DEF A white or slightly colored zeolite mineral: $NaAlSi_2O_6.H_2O$.

ANALEPTICS [01]
DA April 20, 1981
UF *Central Nervous System Stimulants*
UF *CNS Stimulants*
UF *Stimulants*
BT1 Central Nervous System Agents
BT2 Drugs
NT1 Amphetamines
NT1 Caffeine
RT Psychotropic Drugs

ANALGESICS [01]
DA December 1, 1974
BT1 Central Nervous System Depressants
BT2 Drugs
NT1 Acetophenetidin
NT1 Acetylsalicylic Acid
NT1 Opium
NT2 Morphine
NT3 Codeine
NT3 Heroin
NT3 Thebaine
NT1 Pethidine
RT Anesthetics
RT Antipyretics
RT Hypnotics and Sedatives
RT Narcotics
RT Pain

ANALOG COMPUTERS [01]
DA December 1, 1974
BT1 Computers

Analog Resonances
DA December 1, 1974
USE Isobaric Analogs
AND Resonance

Analog Resonances (Strangeness)
DA May 13, 1975
USE Strangeness Analog Resonances

Analog States
DA December 1, 1974
USE Isobaric Analogs

ANALOG SYSTEMS [01]
DA December 1, 1974
NT1 Simulators
NT2 Reactor Simulators
NT2 Solar Simulators
RT Analog-to-Digital Converters
RT Biological Models
RT Computers
RT Digital-to-Analog Converters
RT Electronic Circuits
RT Electronic Equipment
RT Functional Models
RT Real Time Systems

ANALOG-TO-DIGITAL CONVERTERS [01]
DA December 1, 1974
UF *Converters (Analog-Digital)*
BT1 Electronic Equipment
BT2 Equipment
RT Analog Systems
RT Digital Systems
RT Digitizers

Analysis (Activation)
DA December 1, 1974
USE Activation Analysis

Analysis (Fourier)
DA December 1, 1974
USE Fourier Analysis

Analysis (Gas)
DA December 1, 1974
USE Gas Analysis

Analysis (Normal-Mode)
DA December 1, 1974
USE Normal-Mode Analysis

Analysis (Qualitative Chemical)
DA December 1, 1974
USE Qualitative Chemical Analysis

Analysis (Quantitative Chemical)
DA December 1, 1974
USE Quantitative Chemical Analysis

Analysis (Structural Chemical)
DA December 1, 1974
USE Structural Chemical Analysis

Analysis (Thermal)
DA December 1, 1974
USE Thermal Analysis

ANALYTIC FUNCTIONS [01]
DA December 1, 1974
BT1 Functions
RT Continued Fractions
RT S Matrix

ANALYTICAL SOLUTION [01]
(For the procedure only.)
DA December 1, 1974
RT Asymptotic Solutions
RT Finite Difference Method
RT Galerkin-Petrov Method
RT Mathematics
RT Numerical Solution

Analyzers (Pulse)
DA December 1, 1974
USE Pulse Analyzers

ANALYZING POWER
DA February 6, 1975
RT Scattering
RT Targets
DEF Asymmetry produced in nuclear scattering of a completely polarized beam; said of target used to measure beam polarization.

Anaphase
DA December 1, 1974
USE Mitosis

ANAPHYLAXIS [01]
DA December 1, 1974
RT Allergy
RT Antigen-Antibody Reactions
RT Biological Shock

ANATOMY [01]
DA December 1, 1974
BT1 Biology
RT Body
RT Physiology

ANBN
DA December 1, 1974
USE 1-Nitroso-2-Naphthol

Anchoring
DA December 1, 1974
USE Fastening

ANCHORS
DA September 11, 1975
RT Fasteners

ANDCO-TORRAX SLAGGING PYROLYSIS SYSTEM
DA October 20, 1977
RT Slagging Pyrolysis Process

ANDERSONITE [01]
DA December 1, 1974
BT1 Carbonate Minerals
BT2 Minerals
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials

ANDES [01]
DA December 1, 1974
UF *Cordillera De Los Andes*
BT1 Mountains
RT Argentina
RT Bolivia
RT Chile
RT Colombia
RT Ecuador
RT Peru
RT Venezuela

ANDESITES
DA October 28, 1975
BT1 Volcanic Rocks
BT2 Igneous Rocks
BT3 Rocks
DEF Volcanic rocks composed essentially of andesine and one or more mafic constituents.

ANDRADITE [01]
DA December 1, 1974
BT1 Calcium Silicates
BT2 Calcium Compounds
BT3 Alkaline Earth Metal Compounds
BT2 Silicates
BT3 Oxygen Compounds
BT3 Silicon Compounds
BT1 Garnets
BT2 Silicate Minerals
BT3 Minerals
BT2 Silicates
BT3 Oxygen Compounds
BT3 Silicon Compounds
BT1 Iron Silicates
BT2 Iron Compounds
BT3 Transition Element Compounds
BT2 Silicates
BT3 Oxygen Compounds
BT3 Silicon Compounds
DEF Calcium-iron end member of the garnet group: $Ca_3Fe_2(Si.O_4)_3$.

Androgen Antagonists
DA April 20, 1981
USE Antiandrogens

ANDROGENS [01]
DA December 1, 1974
BT1 Androstanes
BT2 Steroids
BT3 Organic Compounds
BT1 Steroid Hormones
BT2 Hormones
NT1 Androstenedione
NT1 Androsterone
NT1 Dianabol
NT1 Hydroxyandrostenone
NT1 Testosterone
RT Adrenal Glands
RT Adrenal Hormones
RT Anabolism

RT Antiandrogens
RT Castration
RT Corticosteroids
RT LH
RT Testes
RT Urinary Ketosteroids

ANDROSTANES [01]
DA December 1, 1974
BT1 Steroids
BT2 Organic Compounds
NT1 Androgens
NT2 Androstenedione
NT2 Androsterone
NT2 Dianabol
NT2 Hydroxyandrostenone
NT2 Testosterone

ANDROSTENEDIONE [01]
DA December 1, 1974
BT1 Androgens
BT2 Androstanes
BT3 Steroids
BT4 Organic Compounds
BT2 Steroid Hormones
BT3 Hormones
BT1 Ketones
BT2 Organic Compounds

ANDROSTERONE [01]
DA December 1, 1974
BT1 Androgens
BT2 Androstanes
BT3 Steroids
BT4 Organic Compounds
BT2 Steroid Hormones
BT3 Hormones
BT1 Hydroxy Compounds
BT2 Organic Compounds
BT1 Ketones
BT2 Organic Compounds

ANEMIAS [01]
DA December 1, 1974
UF *Aplastic Anemia*
UF *Pernicious Anemia*
BT1 Hemic Diseases
BT2 Diseases
BT1 Symptoms
NT1 Ischemia
NT1 Megaloblastic Anemia
NT1 Sickle Cell Anemia
NT1 Thalassemia
RT Erythrocytes
RT Folic Acid
RT Hemoglobin
RT Hemolysis
RT Hemorrhage
RT Intrinsic Factor
RT Vitamin B-12

ANEMOMETERS [01]
DA December 1, 1974
BT1 Measuring Instruments
NT1 Hot Wire Anemometers
NT1 Laser Doppler Anemometers
RT Flowmeters

ANESTHESIA [01]
DA December 1, 1974
RT Anesthetics
RT Central Nervous System Depressants
RT Medicine
RT Pain
RT Surgery

ANESTHETICS [01]
DA December 1, 1974
BT1 Central Nervous System Depressants
BT2 Drugs
NT1 Barbiturates
NT2 Amytal
NT2 Nembutal
NT2 Phenobarbital
NT2 Thiopental
NT1 Cocaine
NT1 Procaine
RT Analgesics
RT Anesthesia
RT Chloroform
RT Ethyl Ether
RT Hypnotics and Sedatives
RT Narcotics
RT Nitrous Oxide

ANEUPLOIDY [01]
DA December 1, 1974
BT1 Ploidy
RT Genome Mutations
RT Non-Disjunction

ANEX REACTOR [01]
DA December 1, 1974
UF *CFG Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Hydride Moderated Reactors
BT2 Reactors
BT1 Solid Homogeneous Reactors
BT2 Homogeneous Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

ANGARA-5 DEVICE [01]
DA June 23, 1989
BT1 ICF Devices
BT2 Thermonuclear Devices

Angiography
DA December 1, 1974
USE Biomedical Radiography
AND Blood Vessels

ANGIOMAS [01]
DA December 1, 1974
UF *Hemangiomas*
BT1 Carcinomas
BT2 Neoplasms
BT3 Diseases
RT Blood Vessels
RT Lymph Vessels

Angiosperms
DA December 21, 1988
USE Magnoliophyta

ANGIOTENSIN [01]
DA December 1, 1974
BT1 Globulins
BT2 Proteins
BT3 Organic Compounds
BT1 Vasoconstrictors
BT2 Cardiovascular Agents
BT3 Drugs

Angle (Bond)
DA November 8, 1980
USE Bond Angle

Angle (Incidence)
DA November 8, 1980
USE Incidence Angle

Angle of Incidence
DA January 24, 1980
USE Incidence Angle

Angle of Inclination
DA September 26, 1979
USE Inclination

ANGOLA [01]
DA December 1, 1974
BT1 Africa
BT1 Developing Countries

ANGRA-1 REACTOR [01]
(Angra Dosreis, Rio De Janeiro, Brazil)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

ANGRA-2 REACTOR [01]
(Angra Dosreis, Rio De Janeiro, Brazil)
DA October 19, 1977
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

ANGRA-3 REACTOR [01]
(Angra Dosreis, Rio De Janeiro, Brazil)
DA October 19, 1977
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

ANGULAR CORRELATION [01]
DA December 1, 1974
UF *Directional Correlation*
BT1 Correlations
NT1 Perturbed Angular Correlation
NT2 Differential PAC
NT2 Integral Pac
RT Abragam-Pound Theory
RT Angular Distribution
RT Biedenharn-Rose Theory
RT Decay
RT Particle Kinematics

ANGULAR DISTRIBUTION [01]
DA December 1, 1974
BT1 Distribution
RT Abragam-Pound Theory
RT Alder-Winter Theory
RT Angular Correlation
RT Backscattering
RT Biedenharn-Rose Theory
RT Blatt-Biedenharn Formalism
RT Castagnoli Formula
RT Differential Cross Sections
RT Emission
RT Halpern-Strutinski Theory
RT Incidence Angle
RT Lambert Law
RT Marshak Boundary Conditions
RT Milne Problem
RT Minami Ambiguity
RT Small Angle Scattering
RT Space Dependence
RT Spatial Distribution
RT Transverse Energy
RT Yang Theorem

ANGULAR MOMENTUM [01]
DA December 1, 1974
UF *Momentum (Angular)*
NT1 Orbital Angular Momentum
NT1 Spin
RT Angular Momentum Operators
RT Backbending
RT Chirality
RT Clebsch-Gordan Coefficients
RT D Waves
RT F Waves
RT Gyroelectric Ratio
RT Gyromagnetic Ratio
RT Helicity
RT Kinetic Energy
RT Linear Momentum
RT Motion
RT P Waves
RT Partial Waves
RT Quantum Mechanics
RT Racah Coefficients
RT Rotation
RT S Waves

RT Wigner Coefficients
RT Yrast States

ANGULAR MOMENTUM OPERATORS [01]
DA December 1, 1974
BT1 Quantum Operators
BT2 Mathematical Operators
NT1 Orbital Momentum Operators
NT1 Pauli Spin Operators
RT Angular Momentum

ANGULAR MOMENTUM TRANSFER [01]
DA October 19, 1978
BT1 Momentum Transfer
RT Energy Transfer

ANGULAR VELOCITY [01]
DA December 1, 1974
BT1 Velocity

ANHARMONIC CRYSTALS [01]
DA December 1, 1974
BT1 Crystals
RT Coherent Scattering
RT Inelastic Scattering
RT Lattice Vibrations

ANHARMONIC OSCILLATORS [01]
DA September 26, 1979
BT1 Oscillators
BT2 Electronic Equipment
BT3 Equipment
RT Equations of Motion
RT Harmonic Oscillators
RT Mathematics
RT Mechanics

ANHYDRIDES [01]
DA December 1, 1974
RT Bases
RT Inorganic Acids
RT Lyases
RT Organic Acids
RT Water

ANHYDRITE [01]
DA January 20, 1975
BT1 Sulfate Minerals
BT2 Minerals
RT Calcium Phosphates
RT Gypsum
DEF A mineral consisting of an anhydrous calcium sulfate: $CaSO_4$.

ANILINE [01]
DA December 1, 1974
UF *Aminobenzene*
UF *Phenylamine*
BT1 Amines
BT2 Organic Compounds
BT1 Aromatics
BT2 Organic Compounds
RT Benzene
RT Polycyclic Aromatic Amines

ANIMAL BREEDING [01]
DA December 1, 1974
RT Agriculture
RT Domestic Animals
RT Genetics
RT Nests
RT Progeny
RT Radiation Induced Mutants
RT Reproduction

ANIMAL CELLS [01]
(Includes human cells.)
DA December 1, 1974
UF *Cells (Animal)*
UF *Human Cells*
UF+ *Cell Growth (Animal)*
UF+ *Melanocytes*
UF+ *Pigment Cells*
NT1 CHO cells
NT1 Embryonic Cells
NT1 Hair Follicles
NT1 Hybridomas
NT1 Respiratory Tract Cells
NT1 Somatic Cells
NT2 Connective Tissue Cells
NT3 Bone Cells
NT3 Bone Marrow Cells
NT3 Fat Cells
NT3 Fibroblasts
NT3 Lymphocytes
NT3 Macrophages
NT3 Mast Cells
NT3 Plasma Cells
NT2 Crypt Cells
NT2 Liver Cells
NT2 Nerve Cells
NT2 Phagocytes
NT3 Macrophages
NT2 Spleen Cells
NT2 Stem Cells
NT2 Thymocytes
NT2 Thymus Cells
NT1 Thyroid Cells
NT1 Tumor Cells
NT2 Ascites Tumor Cells
NT1 XP Cells
RT Cell Constituents
RT Cell Cultures
RT Cell Flow Systems
RT Clone Cells
RT Colony Formation
RT Cytology
RT Homogenates
RT Intracellular Digestion

ANIMAL FEEDS [01]
DA April 29, 1975
BT1 Food
NT1 Forage
RT Diet
RT Distillers Dried Grains
RT Food Additives
RT Nutrition
RT Single Cell Protein

ANIMAL GROWTH [01]
DA December 1, 1974
BT1 Growth
RT Animals
RT Metamorphosis
RT Molting
RT Ontogenesis
RT Rearing

ANIMAL SHELTERS [01]
DA June 21, 1977
BT1 Buildings
BT1 Shelters

ANIMAL TISSUES
DA November 24, 1980
BT1 Tissues
BT2 Body
NT1 Bone Marrow
NT1 Connective Tissue
NT2 Adipose Tissue
NT2 Bone Tissues
NT3 Antlers
NT3 Trabecular Bone
NT2 Cartilage
NT2 Fascia
NT2 Ligaments
NT2 Tendons
NT1 Endothelium
NT1 Epithelium
NT2 Epidermis
NT1 Nerve Tissue
NT1 Perfused Tissues
NT1 Reticuloendothelial System
RT Tissue Extracts

ANIMALS [01]
DA December 1, 1974
NT1 Domestic Animals
NT2 Cattle
NT3 Calves
NT3 Cows
NT2 Goats
NT2 Sheep
NT2 Swine
NT3 Miniature Swine
NT1 Germ-Free Animals
NT1 Invertebrates
NT2 Annelids
NT2 Arthropods
NT3 Arachnids
NT4 Mites
NT4 Scorpions
NT4 Spiders
NT4 Ticks
NT3 Crustaceans
NT4 Branchiopods
NT5 Artemia
NT5 Daphnia
NT4 Copepods
NT4 Decapods
NT5 Crabs
NT5 Lobsters
NT5 Prawns
NT5 Shrimp
NT3 Insects
NT4 Coleoptera
NT5 Beetles
NT6 Boll Weevil
NT6 Tribolium
NT4 Dictyoptera
NT5 Cockroaches
NT4 Diptera
NT5 Flies
NT6 Fruit Flies
NT7 Ceratitis Capitata
NT7 Dacus
NT8 Dacus Oleae
NT7 Drosophila
NT7 Rhagoletis Cerasi
NT6 Glossina
NT6 Hylemya Antiqua
NT6 Screwworm Fly
NT5 Mosquitoes
NT4 Ephemeroptera
NT4 Hemiptera
NT5 Aphids
NT4 Hymenoptera
NT5 Ants
NT5 Bees
NT5 Wasps
NT6 Habrobracon
NT4 Lepidoptera
NT5 Moths
NT6 Bollworm
NT6 Codling Moth
NT6 Lymantria Dispar
NT6 Rice Stem Borers
NT6 Silkworm
NT4 Orthoptera
NT5 Grasshoppers
NT6 Locusts
NT2 Bryozoa
NT2 Coelenterata
NT3 Cnidaria
NT4 Corals
NT4 Hydra
NT2 Echinoderms
NT3 Sea Urchins
NT2 Molluscs
NT3 Clams
NT3 Mussels
NT3 Oysters
NT3 Snails
NT2 Protozoa
NT3 Ciliata
NT4 Paramecium
NT4 Tetrahymena
NT3 Mastigophora
NT4 Dinoflagellate
NT4 Euglena
NT4 Trypanosoma
NT3 Sarcodina
NT4 Amoeba
NT4 Foraminifera
NT3 Sporozoa
NT4 Babesidae
NT4 Plasmodium
NT2 Rotifera
NT1 Laboratory Animals
NT1 Neonates
NT1 Transgenic Animals
NT2 Transgenic Mice
NT1 Vertebrates
NT2 Amphibians
NT3 Frogs
NT3 Salamanders
NT4 Axolotl
NT4 Triturus
NT3 Toads
NT2 Birds
NT3 Fowl
NT4 Chickens
NT4 Ducks
NT4 Geese
NT3 Pigeons

NT2 Fishes
NT3 Anadromous Fishes
NT4 Salmon
NT4 Striped Bass
NT3 Codfish
NT3 Eel
NT3 Fathead Minnow
NT3 Goldfish
NT3 Plaice
NT3 Trout
NT3 Tuna
NT2 Mammals
NT3 Bats
NT3 Bears
NT3 Burros
NT3 Cats
NT3 Cetaceans
NT3 Coyotes
NT3 Dogs
NT4 Beagles
NT3 Foxes
NT3 Horses
NT3 Manatees
NT3 Marsupials
NT3 Otters
NT3 Pinnipeds
NT3 Primates
NT4 Apes
NT4 Man
NT5 Men
NT5 Personnel
NT6 Astronauts
NT6 Aviation Personnel
NT6 Builders
NT6 Clerical Personnel
NT6 Contractor Personnel
NT6 Craftsmen
NT6 Dial Painters
NT6 Medical Personnel
NT7 Radiological Personnel
NT6 Military Personnel
NT6 Miners
NT7 Coal Miners
NT6 Motor Vehicle Operators
NT6 Professional Personnel
NT7 Architects
NT7 Consultants
NT7 Engineers
NT7 Scientific Personnel
NT6 Reactor Operators
NT6 Security Personnel
NT5 Women
NT4 Monkeys
NT5 Baboons
NT5 Macacus
NT3 Rabbits
NT3 Rodents
NT4 Chipmunks
NT4 Gerbils
NT4 Guinea Pigs
NT4 Hamsters
NT4 Mice
NT5 Transgenic Mice
NT4 Pikas
NT4 Prairie Dogs
NT4 Rats
NT4 Shrews
NT4 Squirrels
NT4 Voles
NT3 Ruminants
NT4 Antelopes
NT4 Buffalo
NT4 Camels
NT4 Cattle
NT5 Calves
NT5 Cows
NT4 Deer
NT4 Goats
NT4 Llamas
NT4 Sheep
NT3 Swine
NT4 Miniature Swine
NT3 Wolves
NT2 Reptiles
NT3 Alligators
NT3 Lizards
NT3 Snakes
NT3 Turtles
NT1 Wild Animals
RT Animal Growth
RT Aquatic Organisms
RT Biological Extinction
RT Biological Materials
RT Biology
RT Ecology
RT Endangered Species
RT Females
RT Fossils
RT Males
RT Species Diversity
RT Symbiosis
RT Veterinary Medicine

ANIONS [01]
DA December 1, 1974
UF *Negative Ions*
UF+ *Hydroxyl Ions*
BT1 Ions
BT2 Charged Particles
NT1 Carbanions
NT1 Heteropolyanions
NT1 Hydrogen Ions 1 Minus
RT Chemical State
RT Electrolysis
RT Ion Beams
RT Ion Exchange Materials

ANISOLE [01]
DA December 1, 1974
UF *Methoxybenzene*
UF *Methyl Phenyl Ether*
UF *Phenyl Methyl Ether*
BT1 Ethers
BT2 Organic Oxygen Compounds
BT3 Organic Compounds

ANISOTROPY [01]
DA December 1, 1974
RT Asymmetry
RT Configuration
RT Distribution
RT Isotropy
RT Mass Distribution
RT Orientation
RT Sherman Tables
RT Transverse Energy

ANISYL RADICALS [01]
DA December 1, 1974
BT1 Aryl Radicals
BT2 Radicals

ANKERITE
DA November 28, 1975
SF *Pearl Spar*
BT1 Calcium Carbonates
BT2 Calcium Compounds
BT3 Alkaline Earth Metal Compounds
BT2 Carbonates
BT3 Carbon Compounds
BT3 Oxygen Compounds
BT1 Carbonate Minerals
BT2 Minerals
BT1 Iron Carbonates
BT2 Carbonates
BT3 Carbon Compounds
BT3 Oxygen Compounds
BT2 Iron Compounds
BT3 Transition Element Compounds
BT1 Magnesium Carbonates
BT2 Carbonates
BT3 Carbon Compounds
BT3 Oxygen Compounds
BT2 Magnesium Compounds
BT3 Alkaline Earth Metal Compounds
BT1 Manganese Carbonates
BT2 Carbonates
BT3 Carbon Compounds
BT3 Oxygen Compounds
BT2 Manganese Compounds
BT3 Transition Element Compounds
DEF A dolomitic iron-containing mineral $Ca(Fe,Mg,Mn)(CO_3)_2$.

Ankylosing Spondylitis
DA December 1, 1974
USE Spondylitis

ANL [01]
DA December 1, 1974
UF *Argonne National Laboratory*
BT1 US AEC
BT2 US Organizations
BT3 National Organizations
BT1 US DOE
BT2 US Organizations
BT3 National Organizations
BT1 US ERDA
BT2 US Organizations
BT3 National Organizations
RT Illinois

ANMR
DA December 1, 1974
USE Acoustic NMR

ANNA REACTOR [01]
(Institute of Nuclear Research, Swierk, Poland)
DA December 1, 1974
UF *Swierk ANNA Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Graphite Moderated Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

ANNEALING [01]
DA December 1, 1974
BT1 Heat Treatments
RT Recrystallization
RT Stress Relaxation

ANNELIDS [01]
DA December 1, 1974
UF *Earthworms*
UF *Worms (Segmented)*
BT1 Invertebrates
BT2 Animals

ANNIE EVENT [01]
DA July 6, 1981
BT1 Atmospheric Explosions
BT2 Explosions
BT1 Upshot Project
BT2 Nuclear Explosions
BT3 Explosions

ANNIHILATION [01]
DA December 1, 1974
UF *Disintegration (Nuclear Particle)*
BT1 Electromagnetic Interactions
BT2 Basic Interactions
BT3 Interactions
BT1 Particle Interactions
BT2 Interactions
RT Gribov-Lipatov Relation
RT Strong Interactions

ANNIHILATION OPERATORS [01]
DA December 1, 1974
BT1 Quantum Operators
BT2 Mathematical Operators
RT Second Quantization
RT Vacuum States

ANNUAL CYCLE ENERGY SYSTEM
DA November 11, 1975
RT Air Conditioning
RT Annual Energy Storage
RT Heating
RT Space Heating
RT Water Heaters

ANNUAL ENERGY STORAGE
DA April 12, 1979
BT1 Energy Storage
BT2 Storage
RT Annual Cycle Energy System
RT Heat Storage
RT Seasonal Thermal Energy Storage

ANNUAL LIMIT OF INTAKE [01]
DA September 21, 1984
BT1 Safety Standards
BT2 Standards
RT Critical Organs

RT Intake
RT Radiation Protection
RT Radioactivity
DEF The greatest value of the annual intake of a given radionuclide which corresponds to a whole-body dose commitment of less than or equal to 5 rem and tissue dose commitment of less than or equal to 50 rem.

ANNUAL VARIATIONS [01]
DA April 4, 1975
BT1 Variations

Annular Core Pulse Reactor
DA December 1, 1974
USE ACPR Reactor

Annular Core Research Reactor
DA October 23, 1979
USE ACPR Reactor

ANNULAR FUEL ELEMENTS [01]
DA December 1, 1974
BT1 Fuel Elements
BT2 Reactor Components
RT Fuel Washers

ANNULAR SPACE [01]
DA December 1, 1974
BT1 Configuration
BT1 Space
NT1 Toroidal Configuration
RT Tori

ANODES [01]
DA December 1, 1974
BT1 Electrodes
NT1 Photoanodes
RT Thermionic Collectors

ANODIZATION [01]
DA December 1, 1974
BT1 Corrosion Protection
BT1 Electrochemical Coating
BT2 Chemical Coating
BT3 Surface Coating
BT4 Deposition
BT1 Electrolysis
BT2 Lysis

ANOMALONS [01]
DA May 8, 1984
BT1 Nuclear Fragments
RT Heavy Ion Reactions
RT Mean Free Path
DEF Projectile fragments from relativistic heavy ion reactions with anomalously short mean free paths.

ANOMALOUS DIMENSION [01]
DA April 4, 1975
UF *Non-Canonical Dimension*
BT1 Scale Dimension

Anopheles
DA December 1, 1974
USE Mosquitoes

ANOREXIA [01]
DA December 1, 1974
RT Digestive System
RT Digestive System Diseases

ANORTHITE
DA April 17, 1981
BT1 Feldspars
BT2 Silicate Minerals
BT3 Minerals
DEF A plagioclase feldspar having the composition $Ca_3Si_3O_8$.

ANORTHOSITES [01]
DA December 1, 1974
UF *Plagioclase*
UF *Plagioclasite*
BT1 Gabbros
BT2 Plutonic Rocks
BT3 Igneous Rocks
BT4 Rocks
RT Feldspars
RT Lunar Materials
RT Olivine
DEF A group of essentially monomineralic plutonic igneous rocks composed almost entirely of plagioclase feldspar.

ANOXIA [01]
DA December 1, 1974
UF *Hypoxia*
RT Biological Stress
RT Fiords
RT Ischemia
RT Oxidation
RT Oxygen
RT Respiration

ANSTO [01]
(Australian Nuclear Science and Technology Organization, created on 27 April 1987 and replacing the AAEC.)
DA November 1, 1988
BT1 Australian Organizations
BT2 National Organizations
NT1 AAEC

ANTARCTIC OCEAN [01]
(Prior to June 1992, this was an invalid descriptor.)
DA June 18, 1992
BT1 Seas
BT2 Surface Waters
RT Antarctic Regions
RT Antarctica
DEF The southern waters of the Atlantic, Pacific and Indian Oceans.

ANTARCTIC REGIONS [01]
DA December 1, 1974
BT1 Polar Regions
BT2 Cryosphere
NT1 Antarctica
RT Antarctic Ocean
RT Arctic Regions
RT Auroral Zones
RT Climates
RT Glaciers
RT Ice
RT Ice Caps
RT Polar Cap Aurorae
RT Snow

ANTARCTICA [01]
DA December 1, 1974
BT1 Antarctic Regions
BT2 Polar Regions
BT3 Cryosphere
RT Antarctic Ocean

ANTARES FACILITY [01]
DA September 11, 1978
RT Carbon Dioxide Lasers
RT Helios Facility
RT LANL
RT Laser Fusion Reactors
DEF Large CO_2 laser facility at Los Alamos to be used for laser fusion.

ANTELOPES [01]
DA December 1, 1974
BT1 Ruminants
BT2 Mammals
BT3 Vertebrates
BT4 Animals

ANTENNAS [01]
DA December 1, 1974
BT1 Electrical Equipment
BT2 Equipment
NT1 Radio Telescopes
NT1 Rectennas
RT Radio Equipment
RT Sommerfeld Integrals

Anthers
DA December 1, 1974
USE Stamen

Anthonomus Grandis
DA December 1, 1974
USE Boll Weevil

ANTHRACENE [01]
DA December 1, 1974
BT1 Condensed Aromatics
BT2 Aromatics
BT3 Organic Compounds
BT1 Hydrocarbons
BT2 Organic Compounds
RT Anthraquinones
RT Organic Crystal Phosphors
RT Plastic Scintillators

ANTHRACITE [01]
DA December 1, 1974
UF *Hard Coal*
BT1 Black Coal
BT2 Coal
BT3 Carbonaceous Materials
BT4 Materials
BT3 Fossil Fuels
BT4 Energy Sources
BT4 Fuels
RT Culm

ANTHRANILIC ACID [01]
DA December 1, 1974
UF *Aminobenzoic Acid-ortho*
BT1 Amino Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds

ANTHRAQUINONES [01]
DA December 1, 1974
BT1 Quinones
BT2 Aromatics
BT3 Organic Compounds
BT2 Organic Oxygen Compounds
BT3 Organic Compounds
NT1 Alizarin
NT1 Carminic Acid
NT1 Quinizarin
RT Anthracene
RT Dyes

Anthraquinonic Acid
DA December 1, 1974
USE Alizarin

ANTHROPOLOGY [01]
DA May 13, 1976
RT Human Populations
RT Man
RT Sociology
DEF The study of the interrelations of biological, cultural, geographical, and historical aspects of man.

ANTI-B NEUTRAL MESONS [01]
DA February 19, 1988
BT1 B Neutral Mesons
BT2 B Mesons
BT3 Beauty Particles
BT4 Elementary Particles
BT3 Pseudoscalar Mesons
BT4 Mesons
BT5 Bosons
BT5 Hadrons
BT6 Elementary Particles

ANTI-D NEUTRAL MESONS [01]
DA February 10, 1989
BT1 Antiparticles
BT2 Antimatter
BT3 Matter
BT2 Elementary Particles
BT1 D Neutral Mesons
BT2 D Mesons
BT3 Charmed Mesons
BT4 Charm Particles
BT5 Elementary Particles
BT4 Mesons
BT5 Bosons
BT5 Hadrons
BT6 Elementary Particles
BT3 Pseudoscalar Mesons
BT4 Mesons
BT5 Bosons

BT5 Hadrons
BT6 Elementary Particles

ANTI-INFECTIVE AGENTS [01]
DA April 20, 1981
BT1 Drugs
NT1 Antibiotics
NT2 Actinomycin
NT2 Antimycin
NT2 Bleomycin
NT2 Chloramphenicol
NT2 Cycloheximide
NT2 Doxorubicin
NT2 Erythromycin
NT2 Mitomycin
NT2 Neocarcinostatin
NT2 Neomycin
NT2 Penicillin
NT2 Puromycin
NT2 Streptomycin
NT2 Streptozocin
NT2 Tetracyclines
NT3 Chlortetracycline
NT3 Oxytetracycline
NT2 Valinomycin
NT1 Antimicrobial Agents
NT2 Cinchonine
NT2 FUDR
NT2 Isoniazid
NT3 Iproniazid
NT2 Methenamine
NT2 Methylene Blue
NT2 PAS
NT2 Quinine
NT2 Sulfonamides
NT3 Sulfadiazine
RT Antimitotic Drugs
RT Infectious Diseases
RT Microorganisms
RT Pathogens

Anti Inflammatory Agents
DA April 20, 1981
USE Antipyretics

Anti Missile Systems
DA November 29, 1984
USE Space Weapons

Anti Satellite Systems
DA November 29, 1984
USE Space Weapons

ANTIANDROGENS [01]
DA October 23, 1979
UF *Androgen Antagonists*
BT1 Hormone Antagonists
BT2 Drugs
RT Androgens

ANTIBARYONS [01]
DA December 1, 1974
BT1 Antiparticles
BT2 Antimatter
BT3 Matter
BT2 Elementary Particles
BT1 Baryons
BT2 Fermions
BT2 Hadrons
BT3 Elementary Particles
NT1 Antihyperons
NT2 Antilambda Particles
NT2 Antiomega Particles
NT2 Antisigma Particles
NT2 Antixi Particles
NT1 Antinucleons
NT2 Antineutrons
NT2 Antiprotons

ANTIBIOTICS [01]
DA December 1, 1974
BT1 Anti-Infective Agents
BT2 Drugs
NT1 Actinomycin
NT1 Antimycin
NT1 Bleomycin
NT1 Chloramphenicol
NT1 Cycloheximide
NT1 Doxorubicin
NT1 Erythromycin
NT1 Mitomycin
NT1 Neocarcinostatin
NT1 Neomycin
NT1 Penicillin
NT1 Puromycin
NT1 Streptomycin
NT1 Streptozocin
NT1 Tetracyclines
NT2 Chlortetracycline
NT2 Oxytetracycline
NT1 Valinomycin
RT Antimitotic Drugs
RT Antineoplastic Drugs
RT Bacterial Diseases
RT Germicides
RT Infectious Diseases
RT Microorganisms
RT Mutagens

ANTIBODIES [01]
DA December 1, 1974
NT1 Agglutinins
NT2 Hemagglutinins
NT3 Concanavalin A
NT3 Phytohemagglutinin
NT1 Antitoxins
NT1 Hemolysins
NT1 Monoclonal Antibodies
NT1 Precipitins
RT Antigen Antibody Reactions
RT Antigens
RT Complement
RT Enzyme Immunoassay
RT Immune Serums
RT Immunity
RT Lectins
RT Radioimmunoassay
RT Radioimmunodetection
RT Radioimmunotherapy
RT Toxoids

ANTIBODY FORMATION [01]
DA December 1, 1974
RT Antigen-Antibody Reactions
RT Germ Free Animals
RT Immunity

ANTICLINES
DA September 19, 1977
BT1 Geologic Structures
RT Petroleum Deposits
RT Salt Deposits
DEF A fold, the core of which contains the stratigraphically older rocks; it is convex upward.

ANTICOAGULANTS [01]
DA December 1, 1974
BT1 Hematologic Agents
BT2 Drugs
NT1 Coumarins
NT2 Dicumarol
NT2 Psoralen
NT2 Tromexan
NT1 Heparin
RT Blood Coagulation
RT Coagulants
RT Fibrinolytic Agents
RT Hematinics

ANTICOINCIDENCE [01]
(Detector arrangement.)
DA December 1, 1974
RT Coincidence Circuits
RT Counting Techniques

ANTICONVULSANTS [01]
(Used extensively in suppressing the side effects of radiotherapy involving portions of the central nervous system.)
DA November 23, 1979
BT1 Central Nervous System Depressants
BT2 Drugs
NT1 Phenobarbital
RT Radiotherapy

Anticorrosion
DA December 1, 1974
USE Corrosion Protection

ANTIDEPRESSANTS [01]
(Prior to April 1981, this concept was indexed to PSYCHOTROPIC DRUGS.)
DA April 20, 1981
BT1 Psychotropic Drugs
BT2 Central Nervous System Agents
BT3 Drugs
NT1 Cocaine
NT1 Imipramine
NT1 Iproniazid

ANTIDEUTERON REACTIONS [01]
DA December 2, 1988
BT1 Deuteron Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions
RT Antideuterons

ANTIDEUTERONS [01]
DA December 1, 1974
BT1 Antinuclei
BT2 Antimatter
BT3 Matter
BT2 Nuclei
BT1 Antiparticles
BT2 Antimatter
BT3 Matter
BT2 Elementary Particles
RT Antideuteron Reactions
RT Deuterons

Antidiuretic Hormone
DA December 1, 1974
USE Vasopressin

ANTIFERROELECTRIC MATERIALS [01]
DA December 1, 1974
UF *Materials (Antiferroelectric)*
BT1 Dielectric Materials
BT2 Materials
RT Ferroelectric Materials

ANTIFERROMAGNETIC MATERIALS [01]
DA December 1, 1974
UF *Materials (Antiferromagnetic)*
BT1 Magnetic Materials
BT2 Materials
RT Ferromagnetic Materials
RT Kondo Effect

ANTIFERROMAGNETISM [01]
DA December 1, 1974
BT1 Magnetism
NT1 Mictomagnetism
RT Ferrimagnetism
RT Ferromagnetism
RT Hubbard Model
RT Neel Temperature

ANTIFOULANTS [01]
DA December 28, 1978
RT Biological Fouling
RT Corrosion
RT Deposits
RT Fouling
DEF Materials which prevent foulants from forming and/or depositing on heat transfer surfaces or equipment.

ANTIFREEZE
DA March 3, 1978
RT Freeze Protection
RT Freezing
RT Working Fluids

ANTIGEN-ANTIBODY REACTIONS [01]
DA December 1, 1974
UF *Agglutination*
RT Anaphylaxis
RT Antibodies
RT Antibody Formation
RT Antigens
RT Complement
RT CPB
RT Enzyme Immunoassay
RT Graft-Host Reaction
RT Immune Reactions
RT Immunity

RT Lectins
RT Radioimmunoassay

ANTIGENS [01]
DA December 1, 1974
NT1 Carcinoembryonic Antigen
NT1 Histocompatibility Complex
NT1 Toxins
NT2 Aflatoxins
NT2 Endotoxins
NT1 Tuberculin
RT Antibodies
RT Antigen-Antibody Reactions
RT Enzyme Immunoassay
RT Freunds Adjuvant
RT Immunity
RT Lectins
RT Membrane Proteins
RT Radioimmunoassay
RT Vaccines

Antihistamines
DA April 20, 1981
USE Antihistaminics

ANTIHISTAMINICS [01]
DA December 1, 1974
UF *Antihistamines*
BT1 Drugs
NT1 Promethazine
RT Allergy
RT Histamine

ANTIHYPERONS [01]
DA December 1, 1974
BT1 Antibaryons
BT2 Antiparticles
BT3 Antimatter
BT4 Matter
BT3 Elementary Particles
BT2 Baryons
BT3 Fermions
BT3 Hadrons
BT4 Elementary Particles
BT1 Hyperons
BT2 Baryons
BT3 Fermions
BT3 Hadrons
BT4 Elementary Particles
BT2 Strange Particles
BT3 Elementary Particles
NT1 Antilambda Particles
NT1 Antiomega Particles
NT1 Antisigma Particles
NT1 Antixi Particles

ANTIHYPERTENSIVE AGENTS [01]
DA April 20, 1981
BT1 Cardiovascular Agents
BT2 Drugs
NT1 Guanethidine
NT1 Reserpine
RT Blood Pressure
RT Diuretics
RT Hypertension

ANTIKAONS [01]
DA December 1, 1974
BT1 Antiparticles
BT2 Antimatter
BT3 Matter
BT2 Elementary Particles
BT1 Kaons
BT2 Pseudoscalar Mesons
BT3 Mesons
BT4 Bosons
BT4 Hadrons
BT5 Elementary Particles
BT2 Strange Mesons
BT3 Mesons
BT4 Bosons
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles
NT1 Antikaons Neutral

ANTIKAONS NEUTRAL [01]
DA December 1, 1974
BT1 Antikaons
BT2 Antiparticles
BT3 Antimatter
BT4 Matter
BT3 Elementary Particles
BT2 Kaons
BT3 Pseudoscalar Mesons
BT4 Mesons
BT5 Bosons
BT5 Hadrons
BT6 Elementary Particles
BT3 Strange Mesons
BT4 Mesons
BT5 Bosons
BT5 Hadrons
BT6 Elementary Particles
BT4 Strange Particles
BT5 Elementary Particles
BT1 Kaons Neutral
BT2 Kaons
BT3 Pseudoscalar Mesons
BT4 Mesons
BT5 Bosons
BT5 Hadrons
BT6 Elementary Particles
BT3 Strange Mesons
BT4 Mesons
BT5 Bosons
BT5 Hadrons
BT6 Elementary Particles
BT4 Strange Particles
BT5 Elementary Particles

→**ANTIKNOCK RATINGS**
(Prior to December 1991 this was a valid descriptor. From December 1991 to August 1993 this concept was indexed to KNOCK CONTROL.)
DA August 10, 1993
UF *Cetane Number*
UF *Cetene Number*
UF *Octane Number*
RT Ignition Quality
RT Knock Control

ANTILAMBDA PARTICLES [01]
DA December 1, 1974
BT1 Antihyperons
BT2 Antibaryons
BT3 Antiparticles
BT4 Antimatter
BT5 Matter
BT4 Elementary Particles
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles
BT1 Lambda Particles
BT2 Lambda Baryons
BT3 Hyperons
BT4 Baryons
BT5 Fermions
BT5 Hadrons
BT6 Elementary Particles
BT4 Strange Particles
BT5 Elementary Particles

ANTILEPTON-NEUTRON INTERACTIONS [01]
DA April 13, 1977
BT1 Lepton-Nucleon Interactions
BT2 Lepton-Baryon Interactions
BT3 Lepton-Hadron Interactions
BT4 Particle Interactions
BT5 Interactions
NT1 Antineutrino-Neutron Interactions

ANTILEPTON-PROTON INTERACTIONS [01]
DA September 11, 1975
BT1 Lepton-Proton Interactions
BT2 Lepton-Nucleon Interactions
BT3 Lepton-Baryon Interactions
BT4 Lepton-Hadron Interactions
BT5 Particle Interactions
BT6 Interactions
NT1 Antineutrino-Proton Interactions

ANTILEPTONS [01]
DA December 1, 1974
BT1 Antiparticles
BT2 Antimatter
BT3 Matter
BT2 Elementary Particles
BT1 Leptons
BT2 Elementary Particles
BT2 Fermions
NT1 Antineutrinos
NT2 Electron Antineutrinos
NT2 Muon Antineutrinos
NT1 Muons Plus
NT1 Positrons
NT2 Cosmic Positrons

ANTIMATTER [01]
DA December 1, 1974
BT1 Matter
NT1 Antinuclei
NT2 Antideuterons
NT2 Antiprotons
NT2 Antitritons
NT1 Antiparticles
NT2 Anti-D Neutral Mesons
NT2 Antibaryons
NT3 Antihyperons
NT4 Antilambda Particles
NT4 Antiomega Particles
NT4 Antisigma Particles
NT4 Antixi Particles
NT3 Antinucleons
NT4 Antineutrons
NT4 Antiprotons
NT2 Antideuterons
NT2 Antikaons
NT3 Antikaons Neutral
NT2 Antileptons
NT3 Antineutrinos
NT4 Electron Antineutrinos
NT4 Muon Antineutrinos
NT3 Muons Plus
NT3 Positrons
NT4 Cosmic Positrons
NT2 Antimesons
NT3 Pseudoscalar Antimesons
NT2 Antitritons
RT Ambiplasma

ANTIMESONS [01]
(Use more specific meson type as appropriate.)
DA December 1, 1974
BT1 Antiparticles
BT2 Antimatter
BT3 Matter
BT2 Elementary Particles
BT1 Mesons
BT2 Bosons
BT2 Hadrons
BT3 Elementary Particles
NT1 Pseudoscalar Antimesons

ANTIMETABOLITES [01]
DA December 1, 1974
BT1 Drugs
NT1 Adenines
NT2 Kinetin
NT1 Aminopterin
NT1 Azaguanine
NT1 Bromouracils
NT2 BUDR
NT1 Deoxyuridine
NT1 Ethionine
NT1 Fluorodeoxyglucose
NT1 Fluorouracils
NT2 FUDR
NT1 Iodouracils
NT2 Iododeoxyuridine
NT1 Mercaptopurine
NT1 Methotrexate
NT1 Thiouracil
RT Alkylating Agents
RT Antimitotic Drugs
RT Chemosterilants
RT Metabolites

ANTIMICROBIAL AGENTS [01]
DA April 20, 1981
BT1 Anti-Infective Agents
BT2 Drugs
NT1 Cinchonine
NT1 FUDR
NT1 Isoniazid
NT2 Iproniazid

NT1 Methenamine
NT1 Methylene Blue
NT1 PAS
NT1 Quinine
NT1 Sulfonamides
NT2 Sulfadiazine

ANTIMITOTIC DRUGS [01]
DA December 1, 1974
UF *Cytostatics*
UF *Cytotoxins*
BT1 Drugs
NT1 Actinomycin
NT1 Bleomycin
NT1 Colchicine
NT1 Mitomycin
NT1 NEM
NT1 Oncovin
NT1 Vinblastine
RT Alkylating Agents
RT Anti-Infective Agents
RT Antibiotics
RT Antimetabolites
RT Antineoplastic Drugs
RT Chemotherapy
RT Immunosuppression
RT Mitosis
RT Neocarcinostatin
RT Neoplasms
RT Radiomimetic Drugs
RT Radiosensitizers

ANTIMONATES [01]
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
DA October 23, 1979
BT1 Antimony Compounds
BT1 Oxygen Compounds
RT Antimony Oxides

ANTIMONIDES [01]
DA September 21, 1988
BT1 Antimony Compounds
BT1 Pnictides
NT1 Gallium Antimonides
NT1 Indium Antimonides
RT Antimony Additions
RT Antimony Alloys
RT Intermetallic Compounds

ANTIMONY [01]
DA December 1, 1974
BT1 Metals
BT2 Elements

ANTIMONY 106 [01]
DA October 28, 1980
BT1 Antimony Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ANTIMONY 108 [01]
DA October 19, 1977
BT1 Antimony Isotopes
BT2 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ANTIMONY 109 [01]
DA December 1, 1974
BT1 Antimony Isotopes
BT2 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ANTIMONY 110 [01]
DA December 1, 1974
BT1 Antimony Isotopes
BT2 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ANTIMONY 111 [01]
DA December 1, 1974
BT1 Antimony Isotopes
BT2 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

ANTIMONY 112 [01]
DA December 1, 1974
BT1 Antimony Isotopes
BT2 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radicisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ANTIMONY 113 [01]
DA December 1, 1974
BT1 Antimony Isotopes
BT2 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Nanosec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

ANTIMONY 114 [01]
DA December 1, 1974
BT1 Antimony Isotopes
BT2 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

ANTIMONY 115 [01]
DA December 1, 1974
BT1 Antimony Isotopes
BT2 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

ANTIMONY 116 [01]
DA December 1, 1974
BT1 Antimony Isotopes
BT2 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

ANTIMONY 117 [01]
DA December 1, 1974
BT1 Antimony Isotopes
BT2 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Nanosec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

ANTIMONY 118 [01]
DA December 1, 1974
BT1 Antimony Isotopes
BT2 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

ANTIMONY 118 TARGET [01]
DA March 29, 1982
BT1 Targets

ANTIMONY 119 [01]
DA December 1, 1974
BT1 Antimony Isotopes
BT2 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

ANTIMONY 120 [01]
DA December 1, 1974
BT1 Antimony Isotopes
BT2 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

ANTIMONY 120 TARGET [01]
DA July 9, 1976
BT1 Targets

ANTIMONY 121 [01]
DA December 1, 1974
BT1 Antimony Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

ANTIMONY 121 TARGET [01]
DA July 9, 1976
BT1 Targets

ANTIMONY 122 [01]
DA December 1, 1974
BT1 Antimony Isotopes
BT2 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

ANTIMONY 123 [01]
DA December 1, 1974
BT1 Antimony Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

ANTIMONY 123 TARGET [01]
DA July 9, 1976
BT1 Targets

ANTIMONY 124 [01]
DA December 1, 1974
BT1 Antimony Isotopes
BT2 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

ANTIMONY 125 [01]
DA December 1, 1974
BT1 Antimony Isotopes
BT2 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ANTIMONY 126 [01]
DA December 1, 1974
BT1 Antimony Isotopes
BT2 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ANTIMONY 127 [01]
DA December 1, 1974
BT1 Antimony Isotopes
BT2 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei

ANTIMONY 127 TARGET [01]
DA October 23, 1978
BT1 Targets

ANTIMONY 128 [01]
DA December 1, 1974
BT1 Antimony Isotopes
BT2 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

ANTIMONY 129 [01]
DA December 1, 1974
BT1 Antimony Isotopes
BT2 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

ANTIMONY 130 [01]
DA December 1, 1974
BT1 Antimony Isotopes
BT2 Isotopes

BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

ANTIMONY 131 [01]
DA December 1, 1974
BT1 Antimony Isotopes
BT2 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

ANTIMONY 132 [01]
DA December 1, 1974
BT1 Antimony Isotopes
BT2 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

ANTIMONY 133 [01]
DA December 1, 1974
BT1 Antimony Isotopes
BT2 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

ANTIMONY 134 [01]
DA December 1, 1974
BT1 Antimony Isotopes
BT2 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ANTIMONY 135 [01]
DA December 1, 1974
BT1 Antimony Isotopes
BT2 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ANTIMONY 136 [01]
DA October 28, 1975
BT1 Antimony Isotopes
BT2 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

ANTIMONY ADDITIONS [01]
DA December 1, 1974
BT1 Antimony Alloys
BT2 Alloys
RT Antimonides

ANTIMONY ALLOYS [01]
DA December 1, 1974
BT1 Alloys
NT1 Antimony Additions
NT1 Antimony Base Alloys
NT1 Terne-Metal
RT Antimonides

ANTIMONY BASE ALLOYS [01]
DA December 1, 1974
BT1 Antimony Alloys
BT2 Alloys

ANTIMONY BORIDES [01]
DA December 1, 1974
BT1 Antimony Compounds
BT1 Borides
BT2 Boron Compounds

ANTIMONY BROMIDES [01]
DA December 1, 1974
BT1 Antimony Compounds
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds

ANTIMONY CHLORIDES [01]
DA December 1, 1974
BT1 Antimony Compounds
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds

ANTIMONY COMPLEXES [01]
DA December 1, 1974
BT1 Complexes

ANTIMONY COMPOUNDS [01]
DA December 1, 1974
NT1 Antimonates
NT1 Antimonides
NT2 Gallium Antimonides
NT2 Indium Antimonides
NT1 Antimony Borides
NT1 Antimony Bromides
NT1 Antimony Chlorides
NT1 Antimony Fluorides
NT1 Antimony Hydrides
NT1 Antimony Hydroxides
NT1 Antimony Iodides
NT1 Antimony Oxides
NT1 Antimony Selenides
NT1 Antimony Sulfates
NT1 Antimony Sulfides
NT1 Antimony Tellurides

ANTIMONY FLUORIDES [01]
DA December 1, 1974
BT1 Antimony Compounds
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds

ANTIMONY HYDRIDES [01]
DA December 1, 1974
BT1 Antimony Compounds
BT1 Hydrides
BT2 Hydrogen Compounds

ANTIMONY HYDROXIDES [01]
DA December 1, 1974
BT1 Antimony Compounds
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds

ANTIMONY IODIDES [01]
DA December 1, 1974
BT1 Antimony Compounds
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds

ANTIMONY IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

ANTIMONY ISOTOPES [01]
DA December 1, 1974
BT1 Isotopes
NT1 Antimony 106
NT1 Antimony 108
NT1 Antimony 109
NT1 Antimony 110
NT1 Antimony 111
NT1 Antimony 112
NT1 Antimony 113
NT1 Antimony 114
NT1 Antimony 115
NT1 Antimony 116
NT1 Antimony 117
NT1 Antimony 118
NT1 Antimony 119
NT1 Antimony 120
NT1 Antimony 121
NT1 Antimony 122
NT1 Antimony 123
NT1 Antimony 124
NT1 Antimony 125
NT1 Antimony 126
NT1 Antimony 127
NT1 Antimony 128
NT1 Antimony 129
NT1 Antimony 130
NT1 Antimony 131
NT1 Antimony 132
NT1 Antimony 133
NT1 Antimony 134
NT1 Antimony 135
NT1 Antimony 136

ANTIMONY OXIDES [01]
DA December 1, 1974
BT1 Antimony Compounds
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds
RT Antimonates

ANTIMONY SELENIDES [01]
DA January 7, 1976
BT1 Antimony Compounds
BT1 Selenides
BT2 Chalcogenides
BT2 Selenium Compounds

ANTIMONY SULFATES [01]
DA February 20, 1975

BT1 Antimony Compounds
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds

ANTIMONY SULFIDES [01]
DA December 1, 1974
BT1 Antimony Compounds
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds

ANTIMONY TELLURIDES [01]
DA January 20, 1975
BT1 Antimony Compounds
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds

Antimuons
DA December 1, 1974
USE Muons Plus

ANTIMYCIN [01]
DA June 13, 1981
BT1 Antibiotics
BT2 Anti-Infective Agents
BT3 Drugs

ANTINEOPLASTIC DRUGS [01]
DA December 1, 1974
BT1 Drugs
NT1 Actinomycin
NT1 Bleomycin
NT1 Chlorambucil
NT1 Doxorubicin
NT1 Metronidazole
NT1 Misonidazole
NT1 Mitomycin
NT1 Neocarcinostatin
NT1 Puromycin
NT1 Streptozocin
RT Alkylating Agents
RT Antibiotics
RT Antimitotic Drugs
RT Chemotherapy
RT Combined Therapy
RT Neoplasms

ANTINEUTRINO BEAMS [01]
DA December 1, 1974
BT1 Antiparticle Beams
BT2 Beams
RT Antineutrinos

ANTINEUTRINO-ELECTRON INTERACTIONS [01]
DA December 1, 1974
BT1 Neutrino-Electron Interactions
BT2 Lepton-Lepton Interactions
BT3 Particle Interactions
BT4 Interactions

ANTINEUTRINO-NEUTRON INTERACTIONS [01]
DA April 13, 1977
BT1 Antilepton-Neutron Interactions
BT2 Lepton-Nucleon Interactions
BT3 Lepton-Baryon Interactions
BT4 Lepton-Hadron Interactions
BT5 Particle Interactions
BT6 Interactions
BT1 Antineutrino-Nucleon Interactions
BT2 Neutrino-Nucleon Interactions
BT3 Lepton-Nucleon Interactions
BT4 Lepton-Baryon Interactions
BT5 Lepton-Hadron Interactions
BT6 Particle Interactions
BT7 Interactions
BT1 Neutrino-Neutron Interactions
BT2 Neutrino-Nucleon Interactions
BT3 Lepton-Nucleon Interactions
BT4 Lepton-Baryon Interactions
BT5 Lepton-Hadron Interactions
BT6 Particle Interactions
BT7 Interactions

ANTINEUTRINO-NUCLEON INTERACTIONS [01]
DA December 1, 1974
BT1 Neutrino-Nucleon Interactions
BT2 Lepton-Nucleon Interactions
BT3 Lepton-Baryon Interactions
BT4 Lepton-Hadron Interactions
BT5 Particle Interactions
BT6 Interactions
NT1 Antineutrino-Neutron Interactions
NT1 Antineutrino-Proton Interactions

ANTINEUTRINO-PROTON INTERACTIONS [01]
DA January 26, 1976
BT1 Antilepton-Proton Interactions
BT2 Lepton-Proton Interactions
BT3 Lepton-Nucleon Interactions
BT4 Lepton-Baryon Interactions
BT5 Lepton-Hadron Interactions
BT6 Particle Interactions
BT7 Interactions
BT1 Antineutrino-Nucleon Interactions
BT2 Neutrino-Nucleon Interactions
BT3 Lepton-Nucleon Interactions
BT4 Lepton-Baryon Interactions
BT5 Lepton-Hadron Interactions
BT6 Particle Interactions
BT7 Interactions
BT1 Neutrino-Proton Interactions
BT2 Neutrino-Nucleon Interactions
BT3 Lepton-Nucleon Interactions
BT4 Lepton-Baryon Interactions
BT5 Lepton-Hadron Interactions
BT6 Particle Interactions
BT7 Interactions

ANTINEUTRINO REACTIONS [01]
DA December 8, 1989
BT1 Nuclear Reactions

ANTINEUTRINOS [01]
DA December 1, 1974
BT1 Antileptons
BT2 Antiparticles
BT3 Antimatter
BT4 Matter
BT3 Elementary Particles
BT2 Leptons
BT3 Elementary Particles
BT3 Fermions
BT1 Neutrinos
BT2 Leptons
BT3 Elementary Particles
BT3 Fermions
BT2 Massless Particles
BT3 Elementary Particles
NT1 Electron Antineutrinos
NT1 Muon Antineutrinos
RT Antineutrino Beams

ANTINEUTRON-DEUTERON INTERACTIONS
DA January 20, 1975
BT1 Nucleon-Deuteron Interactions
BT2 Baryon-Baryon Interactions
BT3 Hadron-Hadron Interactions
BT4 Particle Interactions
BT5 Interactions

ANTINEUTRON REACTIONS [01]
DA December 1, 1974
BT1 Antinucleon Reactions
BT2 Nucleon Reactions
BT3 Baryon Reactions
BT4 Hadron Reactions
BT5 Nuclear Reactions

ANTINEUTRONS [01]
DA December 1, 1974
BT1 Antinucleons
BT2 Antibaryons
BT3 Antiparticles
BT4 Antimatter
BT5 Matter
BT4 Elementary Particles
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT2 Nucleons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT1 Neutrons
BT2 Nucleons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
RT Neutron Oscillation

ANTINUCLEI [01]
DA June 16, 1975
BT1 Antimatter
BT2 Matter
BT1 Nuclei
NT1 Antideuterons
NT1 Antiprotons
NT1 Antitritons

ANTINUCLEON BEAMS [01]
DA December 1, 1974
BT1 Antiparticle Beams
BT2 Beams
NT1 Antiproton Beams
RT Antinucleons

ANTINUCLEON REACTIONS [01]
DA December 1, 1974
BT1 Nucleon Reactions
BT2 Baryon Reactions
BT3 Hadron Reactions
BT4 Nuclear Reactions
NT1 Antineutron Reactions
NT1 Antiproton Reactions

ANTINUCLEONS [01]
DA December 1, 1974
BT1 Antibaryons
BT2 Antiparticles
BT3 Antimatter
BT4 Matter
BT3 Elementary Particles
BT2 Baryons
BT3 Fermions
BT3 Hadrons
BT4 Elementary Particles
BT1 Nucleons
BT2 Baryons
BT3 Fermions
BT3 Hadrons
BT4 Elementary Particles
NT1 Antineutrons
NT1 Antiprotons
RT Antinucleon Beams

ANTIOMEGA PARTICLES [01]
DA December 1, 1974
BT1 Antihyperons
BT2 Antibaryons
BT3 Antiparticles
BT4 Antimatter
BT5 Matter
BT4 Elementary Particles
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles
BT1 Omega Particles
BT2 Omega Baryons
BT3 Hyperons
BT4 Baryons
BT5 Fermions
BT5 Hadrons
BT6 Elementary Particles
BT4 Strange Particles
BT5 Elementary Particles

ANTIOXIDANTS [01]
DA December 1, 1974
RT Oxidation
RT Oxidizers

ANTIPARTICLE BEAMS [01]
DA December 1, 1974
BT1 Beams
NT1 Antineutrino Beams
NT1 Antinucleon Beams
NT2 Antiproton Beams
RT Pomeranchuk Theorem

ANTIPARTICLES [01]
DA December 1, 1974
BT1 Antimatter
BT2 Matter
BT1 Elementary Particles
NT1 Anti-D Neutral Mesons
* **NT1** Antibaryons
NT1 Antideuterons
NT1 Antikaons
NT2 Antikaons Neutral
* **NT1** Antileptons
NT1 Antimesons
NT2 Pseudoscalar Antimesons
NT1 Antitritons

ANTIPROTON BEAMS [01]
DA December 1, 1974
BT1 Antinucleon Beams
BT2 Antiparticle Beams
BT3 Beams

ANTIPROTON-DEUTERON INTERACTIONS
DA January 20, 1975
BT1 Nucleon-Deuteron Interactions
BT2 Baryon-Baryon Interactions
BT3 Hadron-Hadron Interactions
BT4 Particle Interactions
BT5 Interactions
RT Antiprotons
RT Deuterons

ANTIPROTON-NEUTRON INTERACTIONS [01]
DA December 1, 1974
BT1 Nucleon-Antinucleon Interactions
BT2 Baryon-Baryon Interactions
BT3 Hadron-Hadron Interactions
BT4 Particle Interactions
BT5 Interactions

ANTIPROTON REACTIONS [01]
DA December 1, 1974
BT1 Antinucleon Reactions
BT2 Nucleon Reactions
BT3 Baryon Reactions
BT4 Hadron Reactions
BT5 Nuclear Reactions

ANTIPROTON SOURCES [01]
DA January 16, 1986
BT1 Particle Sources
BT2 Radiation Sources
RT Antiprotons

Antiprotonic Atoms
DA December 1, 1974
USE Hadronic Atoms

ANTIPROTONS [01]
DA December 1, 1974
BT1 Antinuclei
BT2 Antimatter
BT3 Matter
BT2 Nuclei
BT1 Antinucleons
BT2 Antibaryons
BT3 Antiparticles
BT4 Antimatter
BT5 Matter
BT4 Elementary Particles
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT2 Nucleons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
RT Antiproton-Deuteron Interactions
RT Antiproton Sources
RT Protonium
RT Protons

ANTIPYRETICS [01]
DA December 1, 1974
UF *Anti-Inflammatory Agents*
BT1 Central Nervous System Depressants
BT2 Drugs
NT1 Acetophenetidin
NT1 Acetylsalicylic Acid
NT1 Antipyrine
NT1 Colchicine
RT Analgesics
RT Fever
RT Inflammation

ANTIPYRINE [01]
DA December 1, 1974
BT1 Antipyretics
BT2 Central Nervous System Depressants
BT3 Drugs
BT1 Pyrazolines
BT2 Pyrazoles
BT3 Azoles
BT4 Heterocyclic Compounds
BT5 Organic Compounds
BT4 Organic Nitrogen Compounds
BT5 Organic Compounds

ANTIREFLECTION COATINGS [01]
DA January 24, 1975
BT1 Coatings
RT Optical Equipment
RT Reflective Coatings
RT Solar Absorbers

ANTISEPTICS [01]
DA January 23, 1976
BT1 Germicides
RT Disinfectants
RT Drugs
DEF Disinfectants mild enough for use on living tissue.

Antiserum
DA December 1, 1974
USE Immune Serums

ANTISIGMA PARTICLES [01]
DA December 1, 1974
BT1 Antihyperons
BT2 Antibaryons
BT3 Antiparticles
BT4 Antimatter
BT5 Matter
BT4 Elementary Particles
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles
BT1 Sigma Particles
BT2 Sigma Baryons
BT3 Hyperons
BT4 Baryons
BT5 Fermions
BT5 Hadrons
BT6 Elementary Particles
BT4 Strange Particles
BT5 Elementary Particles

ANTITHYROID DRUGS [01]
DA December 1, 1974
UF *Thyroid Antagonists*
BT1 Hormone Antagonists
BT2 Drugs
NT1 Thiocyanates
NT2 Ammonium Thiocyanates
NT1 Thiouracil
NT1 Thiourea
RT Hyperthyroidism
RT Hypothyroidism
RT Thyroid

ANTITOXINS [01]
DA December 1, 1974
BT1 Antibodies
RT Toxins

ANTITRITONS [01]
DA January 20, 1975
BT1 Antinuclei
BT2 Antimatter
BT3 Matter
BT2 Nuclei
BT1 Antiparticles
BT2 Antimatter
BT3 Matter
BT2 Elementary Particles
RT Tritons

→**ANTITRUST LAWS [01]**
(From February to August 1992 this concept was indexed to US Antitrust Laws.)
DA August 17, 1992
UF *US Antitrust Laws*
BT1 Laws
RT Competition
RT Conflicts of Interest
RT Marketing
RT Monopolies

ANTITRUST REVIEW [01]
DA January 30, 1975
BT1 Legal Aspects
RT Reactor Licensing

ANTIXI PARTICLES [01]
DA December 1, 1974
BT1 Antihyperons
BT2 Antibaryons
BT3 Antiparticles
BT4 Antimatter
BT5 Matter
BT4 Elementary Particles
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles
BT1 Xi Particles
BT2 Xi Baryons
BT3 Hyperons
BT4 Baryons
BT5 Fermions
BT5 Hadrons
BT6 Elementary Particles
BT4 Strange Particles
BT5 Elementary Particles

ANTLERS [01]
DA December 1, 1974
BT1 Bone Tissues
BT2 Connective Tissue
BT3 Animal Tissues
BT4 Tissues
BT5 Body
RT Deer

Antrim Shales
DA October 27, 1980
USE Black Shales

ANTS [01]
DA June 16, 1981
BT1 Hymenoptera
BT2 Insects
BT3 Arthropods
BT4 Invertebrates
BT5 Animals

ANVIL POINTS RESEARCH FACILITY
DA April 8, 1975
BT1 Oil Shale Processing Plants
BT2 Industrial Plants
RT Oil Shales

ANVIL PROJECT [01]
DA June 21, 1977
UF *Banon Event*
UF *Billet Event*
UF *Cheshire Event*
UF *Chiberta Event*
UF *Colby Event*
UF *Esrom Event*
UF *Estuary Event*
UF *Fontina Event*
UF *Husky Pup Event*
UF *Inlet Event*
UF *Kasseri Event*
UF *Keelson Event*
UF *Leyden Event*

UF *Marsh Event*
UF *Muenster Event*
UF *Pool Event*
UF *Strait Event*
BT1 Nuclear Explosions
BT2 Explosions
NT1 Mighty Epic Event
RT Underground Explosions

→**ANYONS [01]**
DA March 24, 1992
BT1 Quasi Particles
RT Quantum Field Theory
RT Statistical Mechanics
RT Superconductivity

AO-PHAI-1 REACTOR [01]
DA April 9, 1985
UF *Sriracha Reactor*
BT1 Power Reactors
BT2 Reactors

AORTA [01]
DA December 1, 1974
BT1 Arteries
BT2 Blood Vessels
BT3 Cardiovascular System
BT3 Organs
BT4 Body
RT Heart
RT Mediastinum

APA
DA March 29, 1980
USE Alaska Power Administration

APACHE [01]
(Accelerator for physics and chemistry of heavy elements.)
DA December 1, 1974
BT1 Isochronous Cyclotrons
BT2 Cyclotrons
BT3 Cyclic Accelerators
BT4 Accelerators

APARTMENT BUILDINGS [01]
DA January 24, 1975
BT1 Residential Buildings
BT2 Buildings
RT Commercial Buildings
RT Households
RT Residential Sector

APATITES [01]
DA December 1, 1974
BT1 Phosphate Minerals
BT2 Minerals
RT Kimberlites

APERTURES [01]
DA December 1, 1974
BT1 Openings
RT Orifices

APES [01]
DA December 1, 1974
BT1 Primates
BT2 Mammals
BT3 Vertebrates
BT4 Animals
RT Monkeys

APFA-3 REACTOR [01]
(Accelerator Pulsed Fast Critical Assembly)
DA December 1, 1974
UF *Accelerator Pulsed Fast Assembly*
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

APHIDS [01]
DA December 1, 1974
BT1 Hemiptera
BT2 Insects
BT3 Arthropods
BT4 Invertebrates
BT5 Animals

API GRAVITY [01]
DA March 11, 1976
BT1 Density
BT2 Physical Properties
DEF Arbitrary scale adopted by the API for expressing the specific gravity of oils.

Apis Mellifera
DA April 17, 1981
USE Bees

Aplastic Anemia
DA December 1, 1974
USE Anemias

APLITES [01]
DA December 1, 1974
UF *Alaskites*
BT1 Granites
BT2 Plutonic Rocks
BT3 Igneous Rocks
BT4 Rocks
RT Feldspars
RT Quartz

APOLIPOPROTEINS [01]
DA August 7, 1978
BT1 Lipoproteins
BT2 Lipids
BT3 Organic Compounds
BT2 Proteins
BT3 Organic Compounds
RT Coenzymes

APOLLO PROJECT [01]
DA December 1, 1974
UF *Project Apollo*
RT Lunar Materials
RT Moon
RT Space Flight

Appalachia
(The mountainous region, including valleys and plateaus extending through the eastern USA from New England to Georgia and Alabama. Prior to August 1992 this was a valid descriptor.)
DA February 7, 1975
USE Appalachian Mountains

APPALACHIAN BASIN [01]
DA September 8, 1989
BT1 Sedimentary Basins
BT2 Geologic Structures
NT1 Chattanooga Formation

APPALACHIAN MOUNTAINS [01]
DA December 1, 1974
UF *Appalachia*
BT1 Mountains
NT1 Adirondack Mountains
RT Canada
RT USA

Appalachian Orogeny
DA October 20, 1977
SEE Permian Period

Apparatus
DA January 28, 1975
USE Equipment

APPARENT MOLAL VOLUME
DA September 11, 1975
RT Thermodynamic Properties
DEF Apparent molal volume is equal to the total volume of the solution minus the volume of the solvent divided by the number of moles of the solute.

APPEALS
DA December 10, 1979
BT1 Administrative Procedures

Appendix (Vermiform)
DA December 1, 1974
USE Large Intestine
AND Lymphatic System

APPENNINES [01]
DA November 1, 1976
BT1 Italy
BT2 Developed Countries
BT2 Western Europe
BT3 Europe
BT1 Mountains

APPLE COMPUTERS [01]
DA December 21, 1981
BT1 Microprocessors
BT2 Computers
BT2 Microelectronic Circuits
BT3 Electronic Circuits

APPLES [01]
DA December 1, 1974
BT1 Fruits
BT2 Food
RT Codling Moth
RT Fruit Trees
RT Rosaceae

APPLIANCES [01]
DA June 12, 1975
BT1 Equipment
NT1 Clothes Dryers
NT1 Clothes Washers
NT1 Coal Burning Appliances
NT1 Dishwashers
NT1 Electric Appliances
NT1 Freezers
NT1 Gas Appliances
NT1 Ovens
NT2 Microwave Ovens
NT1 Space Heaters
NT1 Stoves
NT1 Water Heaters
NT2 Solar Water Heaters
NT3 Passive Solar Water Heaters
NT4 Thermic Diode Solar Panels
NT1 Wood Burning Appliances
NT2 Wood Burning Furnaces
RT Air Conditioners

Applications
DA December 1, 1974
USE Uses

Applicators (Radiotherapy)
DA December 1, 1974
USE Radiation Sources

Appraisal
(Prior to August 1992 this was a valid descriptor.)
DA May 6, 1980
USE Cost Estimation

→**APPROPRIATE TECHNOLOGY**
(Prior to December 1991 this was a valid descriptor. From December 1991 to August 1993 this concept was indexed to RENEWABLE ENERGY SOURCES or TECHNOLOGY ASSESSMENT.)
DA August 31, 1993
UF *Intermediate Technology*
RT Renewable Energy Sources
RT Technology Assessment
RT Technology Impacts
RT Technology Utilization
DEF A technology anywhere between the simplest and most sophisticated for accomplishing a particular task.

Approximation (Bohr)
DA May 17, 1976
USE Nilsson-Mottelson Model

APRA Reactor
DA December 1, 1974
USE APRF Reactor

APRF REACTOR [01]
DA December 1, 1974
UF *Aberdeen Maryland Reactor*
UF *APRA Reactor*
UF *Army Pulsed Reactor Assembly*
BT1 Fast Reactors
BT2 Epithermal Reactors

BT3 Reactors
BT1 Pulsed Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors

APRICOTS [01]
DA January 20, 1975
BT1 Fruits
BT2 Food
RT Fruit Trees
RT Rosaceae
RT Trees

APS REACTOR [01]
(Obninsk, Kaluga, USSR)
DA December 1, 1974
UF *AM-1 Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Experimental Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 LWGR Type Reactors
BT2 Graphite Moderated Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

APS Storage Ring
DA June 11, 1992
USE Advanced Photon Source

APSARA REACTOR [01]
(Bhabha Atomic Research Center, Trombay, Maharashtra, India)
DA December 1, 1974
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors

AQUA REGIA [01]
DA December 1, 1974
RT Hydrochloric Acid
RT Nitric Acid

AQUACLAUS PROCESS
DA December 22, 1977
BT1 Desulfurization
BT2 Chemical Reactions
RT Waste Processing
DEF SO_2 is removed from Claus plant tail gas or other gaseous waste using phosphate base adsorbent solution

AQUACULTURE [01]
DA November 11, 1975
UF *Aquiculture*
UF *Mariculture*
RT Fisheries
RT Fishes
RT Hydroponic Culture
RT Waste Heat Utilization
DEF Cultivation of natural faunal and/or floral resources of water.

AQUATIC ECOSYSTEMS [01]
DA December 1, 1974
UF *Brackish Water Ecosystems*
UF *Estuarine Ecosystems*
UF *Fresh Water Ecosystems*
UF *Marine Ecosystems*
BT1 Ecosystems
NT1 Wetlands
NT2 Marshes
NT2 Swamps
RT Amphibians
RT Aquatic Organisms
RT Benthos
RT Biochemical Oxygen Demand
RT Cattails
RT Chemical Oxygen Demand
RT Eutrophication
RT Gas Bubble Disease
RT Hydrosphere
RT Limnology
RT Otters
RT Prevention of Significant Deterioration
RT Rotifera

AQUATIC ORGANISMS [01]
(Unspecified biota characteristic of aquatic ecosystems.)
DA June 30, 1975
NT1 Amphibians
NT2 Frogs
NT2 Salamanders
NT3 Axolotl
NT3 Triturus
NT2 Toads
NT1 Aufwuchs
NT1 Benthos
NT2 Echinoderms
NT3 Sea Urchins
NT1 Bryozoa
NT1 Cetaceans
NT1 Crustaceans
NT2 Branchiopods
NT3 Artemia
NT3 Daphnia
NT2 Copepods
NT2 Decapods
NT3 Crabs
NT3 Lobsters
NT3 Prawns
NT3 Shrimp
NT1 Fishes
NT2 Anadromous Fishes
NT3 Salmon
NT3 Striped Bass
NT2 Codfish
NT2 Eel
NT2 Fathead Minnow
NT2 Goldfish
NT2 Plaice
NT2 Trout
NT2 Tuna
NT1 Manatees
NT1 Molluscs
NT2 Clams
NT2 Mussels
NT2 Oysters
NT2 Snails
NT1 Pinnipeds
NT1 Plankton
NT2 Ichthyoplankton
NT2 Phytoplankton
NT2 Zooplankton
NT1 Rotifera
NT1 Seaweeds
NT2 Fucus
NT2 Laminaria
NT1 Water Hyacinths
RT Algae
RT Animals
RT Aquatic Ecosystems
RT Entrainment
RT Ephemeroptera
RT Impingement
RT Otters
RT Plants

Aqueous Carbonate Process
DA June 24, 1977
USE Al Aqueous Carbonate Process

AQUEOUS HOMOGENEOUS REACTORS [01]
DA December 1, 1974
BT1 Liquid Homogeneous Reactors
BT2 Fluid Fueled Reactors
BT3 Reactors
BT2 Homogeneous Reactors
BT3 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors
NT1 Al-L-77 Reactor
NT1 BER-2 Reactor
NT1 BYU L-77 Reactor
NT1 Cesnef Reactor
NT1 DR-1 Reactor
NT1 FRF Reactor
NT1 HRE-2 Reactor
NT1 JRR-1 Reactor
NT1 KEWB Reactor
NT1 KSTR Reactor
NT1 NCSCR-1 Reactor
NT1 Nevada University Reactor
NT1 PRNC-L-77 Reactor
NT1 SUPO Reactor
NT1 WRRR Reactor

Aqueous Humor
DA December 1, 1974
USE Body Fluids
AND Eyes

AQUEOUS SOLUTIONS [01]
DA December 1, 1974
UF *Water Solutions*
BT1 Solutions
BT2 Mixtures
BT3 Dispersions
RT Water

AQUICLUDES [01]
DA January 23, 1975
RT Ground Water
RT Rocks
RT Water Reservoirs
DEF Bodies of relatively impermeable rock that are capable of absorbing water slowly but function as upper or lower boundaries of aquifers and do not transmit ground water rapidly enough to supply a well or spring.

Aquiculture
DA November 11, 1975
USE Aquaculture

AQUIFERS [01]
DA February 26, 1975
UF *Ground-Water Reserves*
RT Artesian Basins
RT Ground Water
RT Hydrology
RT Reservoir Pressure
RT Rocks
RT Sand
RT Underground
RT Water Influx
RT Water Tables
DEF Bodies of rock that contain sufficient saturated permeable material to conduct ground water and to yield economically significant quantities of ground water to wells and springs.

AQUILON REACTOR [01]
DA December 1, 1974
BT1 Heavy Water Cooled Reactors
BT2 Reactors
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

→**ARAB ATOMIC ENERGY AGENCY [01]**
DA April 9, 1992
BT1 International Organizations

→**ARAB COUNTRIES [01]**
DA August 5, 1992
NT1 Algeria
NT1 Bahrain
NT1 Djibouti
NT2 Afars and Issas
NT1 Egyptian Arab Republic
NT1 Iraq
NT1 Jordan
NT1 Kuwait
NT1 Lebanon
NT1 Libya
NT1 Mauritania
NT1 Morocco
NT1 Oman
NT1 Qatar
NT1 Saudi Arabia
NT1 Somalia
NT1 Sudan
NT1 Syria
NT1 United Arab Emirates
NT1 Yemen
RT Africa
RT Asia
RT Middle East

Arab Republic of Egypt
DA December 1, 1974
USE Egyptian Arab Republic

ARABIAN SEA [01]
DA December 1, 1974
BT1 Indian Ocean
BT2 Seas
BT3 Surface Waters
NT1 Persian Gulf
NT2 Strait of Hormuz

ARABIDOPSIS [01]
DA December 1, 1974
BT1 Magnoliopsida
BT2 Magnoliophyta
BT3 Plants

ARABINOSE [01]
DA December 1, 1974
BT1 Aldehydes
BT2 Organic Compounds
BT1 Pentoses
BT2 Monosaccharides
BT3 Saccharides
BT4 Carbohydrates
BT5 Organic Compounds
RT Gum Acacia

Arachidic Acid
DA December 1, 1974
USE Eicosanoic Acid

ARACHIDONIC ACID [01]
DA December 1, 1974
BT1 Monocarboxylic Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds

ARACHNIDS [01]
DA December 1, 1974
BT1 Arthropods
BT2 Invertebrates
BT3 Animals
NT1 Mites
NT1 Scorpions
NT1 Spiders
NT1 Ticks

ARAGONITE [01]
DA December 1, 1974
BT1 Carbonate Minerals
BT2 Minerals
RT Calcium Carbonates
DEF A white, yellowish, or gray orthorhombic mineral: $CaCO_3$.

ARALDITE [01]
DA December 1, 1974
BT1 Epoxides
BT2 Organic Oxygen Compounds
BT3 Organic Compounds
BT1 Organic Polymers
BT2 Organic Compounds
BT2 Polymers
RT Homalite
RT Resins

ARALEX PROCESS
DA November 7, 1979
BT1 Radioactive Waste Processing
BT2 Radioactive Waste Management
BT3 Waste Management
BT4 Management
BT2 Waste Processing
BT3 Processing
BT3 Waste Management
BT4 Management
RT Reprocessing
RT Solvent Extraction
DEF 2-Ethyl-1-hexanol is used to extract TBP degradation products from acidified Na_2CO_3 scrub waste leaving actinides in the aqueous phase.

ARAMIDS
DA July 6, 1978
UF *Kevlar*
BT1 Plastics
BT2 Petrochemicals
BT3 Petroleum Products
BT2 Synthetic Materials
BT3 Materials
RT Fibers

ARBI REACTOR [01]
(Bilbao, Vizcaya, Spain)
DA December 1, 1974
UF *Argonaut Bilbao Reactor*
UF *Bilbao Argonaut Reactor*
BT1 Argonaut Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors

ARBITRATION [01]
DA June 24, 1977
RT Dispute Settlements
RT Hearings
RT Lawsuits

ARBOR PROJECT [01]
DA February 20, 1975
BT1 Nuclear Explosions
BT2 Explosions
BT1 Underground Explosions
BT2 Explosions
NT1 Husky Ace Event
NT1 Latir Event
RT Nevada Test Site

ARBUS REACTOR [01]
DA December 1, 1974
UF *Melekess-ARBUS Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Experimental Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 OMR Type Reactors
BT2 Organic Cooled Reactors
BT3 Reactors
BT2 Organic Moderated Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

ARC COAL PROCESS [01]
DA May 5, 1975
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes
DEF AVCO Corp. process for production of acetylene and recovery of carbon black, HCN, char, low-Btu fuel gas, and sulfur.

ARC FURNACES [01]
DA December 1, 1974
BT1 Electric Furnaces
BT2 Furnaces
RT Plasma Furnaces
RT Vacuum Furnaces

ARC WELDING [01]
DA December 1, 1974
BT1 Welding
BT2 Joining
BT3 Fabrication
NT1 Gas Metal-Arc Welding
NT2 Gas Tungsten-Arc Welding
NT1 Plasma Arc Welding
NT1 Shielded Metal-Arc Welding
NT1 Submerged Arc Welding
RT Electroslag Welding
RT Sputtering

ARCHAEOLOGICAL SITES [01]
DA July 6, 1978
RT Archaeological Specimens
RT Archaeology
RT Cultural Objects
RT Pipelines
RT Roads
RT Site Selection

ARCHAEOLOGICAL SPECIMENS [01]
DA December 1, 1974
RT Archaeological Sites
RT Archaeology
RT Cultural Objects
RT Cultural Resources
RT Fossils

ARCHAEOLOGY [01]
DA December 1, 1974
RT Age Estimation
RT Archaeological Sites
RT Archaeological Specimens
RT Historical Aspects

ARCHITECTS [01]
DA January 15, 1980
BT1 Professional Personnel
BT2 Personnel
BT3 Man
BT4 Primates
BT5 Mammals
BT6 Vertebrates
BT7 Animals
RT Architecture
RT Builders
RT Buildings
RT Construction Industry
RT Labor
RT Solar Architecture

ARCHITECTURE [01]
DA January 20, 1975
NT1 Solar Architecture
RT Aesthetics
RT Architects
RT Buildings
RT Cultural Resources
RT Thermal Comfort

ARCO PROCESS
DA December 1, 1974
BT1 Reprocessing
BT2 Separation Processes
RT Solvent Extraction

ARCTIC GAS PIPELINES
DA July 7, 1976
BT1 Pipelines
RT Natural Gas
RT Transport

ARCTIC HAZE
DA April 8, 1987
RT Air Pollution
RT Arctic Regions
RT Soot
DEF Abundance of tropospheric carbonaceous aerosols north of 60deg N, present during winter and spring, but almost absent during summer.

ARCTIC OCEAN [01]
DA April 8, 1975
BT1 Seas
BT2 Surface Waters
NT1 Beaufort Sea
NT2 Prudhoe Bay
NT1 Chukchi Sea
RT Arctic Regions
RT Greenland

ARCTIC REGIONS [01]
DA December 1, 1974
BT1 Polar Regions
BT2 Cryosphere
RT Antarctic Regions
RT Arctic Haze
RT Arctic Ocean
RT Auroral Zones
RT Chukchi Sea
RT Climates
RT Eskimos
RT Glaciers
RT Greenland
RT Ice
RT Ice Caps
RT Lapps
RT Natural Gas Hydrate Deposits
RT Permafrost
RT Polar-Cap Aurorae
RT Snow
RT Tundra

ARDENNES B-1 REACTOR [01]
DA September 5, 1984
UF *Chooz B-1 Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

ARDENNES REACTOR [01]
(Chooz, Ardennes, France)
DA December 1, 1974
UF *Chooz Reactor*
UF *SENA Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

ARE-RR-1 Reactor
DA April 29, 1975
USE WWR-S-Cairo Reactor

Area Pollution Sources
DA January 15, 1980
USE Pollution Sources

ARGAND DIAGRAMS [01]
DA December 1, 1974
BT1 Scatterplots
BT2 Diagrams
RT Phase Shift
RT Scattering Amplitudes
DEF The real part of a scattering amplitude plotted versus the imaginary one.

ARGENTINA [01]
DA December 1, 1974
BT1 Developing Countries
BT1 South America
BT2 Latin America
NT1 Mendoza
RT Andes

ARGENTINE ORGANIZATIONS [01]
DA December 18, 1986
BT1 National Organizations

Argentine Reactor RA-0
DA December 1, 1974
USE RA-0 Reactor

Argentine Reactor RA-1
DA December 1, 1974
USE RA-1 Reactor

Argentine Reactor RA-2
DA December 1, 1974
USE RA-2 Reactor

Argentine Reactor RA-3
DA December 1, 1974
USE RA-3 Reactor

ARGILLITE
DA July 18, 1979
BT1 Shales
BT2 Sedimentary Rocks
BT3 Rocks

ARGINASE [01]
(Code numbers 3.5.3.1 and 3.5.3.10.)
DA December 1, 1974
BT1 Amidases
BT2 Non-Peptide C-N Hydrolases
BT3 Hydrolases
BT4 Enzymes
BT5 Proteins
BT6 Organic Compounds

ARGININE [01]
DA December 1, 1974
UF *Guanidylaminovaleric Acid*
BT1 Amino Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds

ARGON [01]
DA December 1, 1974
BT1 Rare Gases
BT2 Gases
BT3 Fluids
BT2 Nonmetals
BT3 Elements

ARGON 31 [01]
DA September 5, 1986
BT1 Argon Isotopes
BT2 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ARGON 32 [01]
DA December 1, 1974
BT1 Argon Isotopes
BT2 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ARGON 33 [01]
DA December 1, 1974
BT1 Argon Isotopes
BT2 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ARGON 34 [01]
DA December 1, 1974
BT1 Argon Isotopes
BT2 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ARGON 35 [01]
DA December 1, 1974
BT1 Argon Isotopes
BT2 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ARGON 36 [01]
DA December 1, 1974
BT1 Argon Isotopes
BT2 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

ARGON 36 REACTIONS [01]
DA August 12, 1980
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

ARGON 36 TARGET [01]
DA July 9, 1976
BT1 Targets

ARGON 37 [01]
DA December 1, 1974
BT1 Argon Isotopes
BT2 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei

ARGON 37 TARGET [01]
DA March 28, 1979
BT1 Targets

ARGON 38 [01]
DA December 1, 1974
BT1 Argon Isotopes

BT2 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

ARGON 38 BEAMS [01]
DA February 24, 1987
BT1 Ion Beams
BT2 Beams

ARGON 38 TARGET [01]
DA July 9, 1976
BT1 Targets

ARGON 39 [01]
DA December 1, 1974
BT1 Argon Isotopes
BT2 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ARGON 39 BEAMS [01]
DA February 24, 1987
BT1 Radioactive Ion Beams
BT2 Ion Beams
BT3 Beams

ARGON 40 [01]
DA December 1, 1974
BT1 Argon Isotopes
BT2 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
RT Argon 40 Beams

ARGON 40 BEAMS [01]
DA December 1, 1974
BT1 Ion Beams
BT2 Beams
RT Argon 40

ARGON 40 REACTIONS [01]
DA December 1, 1974
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

ARGON 40 TARGET [01]
DA July 9, 1976
BT1 Targets

ARGON 41 [01]
DA December 1, 1974
BT1 Argon Isotopes
BT2 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei

ARGON 42 [01]
DA December 1, 1974
BT1 Argon Isotopes
BT2 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ARGON 43 [01]
DA December 1, 1974
BT1 Argon Isotopes
BT2 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ARGON 44 [01]
DA December 1, 1974
BT1 Argon Isotopes
BT2 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ARGON 45 [01]
DA May 15, 1975
BT1 Argon Isotopes
BT2 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ARGON 46 [01]
DA December 1, 1974
BT1 Argon Isotopes
BT2 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ARGON 47 [01]
DA September 5, 1986
BT1 Argon Isotopes
BT2 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei

ARGON 49 [01]
DA October 16, 1989
BT1 Argon Isotopes
BT2 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei

ARGON 50 [01]
DA October 16, 1989
BT1 Argon Isotopes
BT2 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei

ARGON 51 [01]
DA October 16, 1989
BT1 Argon Isotopes
BT2 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei

ARGON BORIDES [01]
DA December 1, 1974
BT1 Argon Compounds
BT2 Rare Gas Compounds
BT1 Borides
BT2 Boron Compounds

ARGON CHLORIDES [01]
DA December 1, 1974
BT1 Argon Compounds
BT2 Rare Gas Compounds
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds

ARGON COMPLEXES [01]
DA December 1, 1974
BT1 Complexes

ARGON COMPOUNDS [01]
DA December 1, 1974
BT1 Rare Gas Compounds
NT1 Argon Borides
NT1 Argon Chlorides
NT1 Argon Fluorides
NT1 Argon Hydrides
NT1 Argon Iodides
NT1 Argon Nitrides
NT1 Argon Oxides

ARGON FLUORIDES [01]
DA December 1, 1974
BT1 Argon Compounds
BT2 Rare Gas Compounds
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds

ARGON HYDRIDES [01]
DA December 1, 1974
BT1 Argon Compounds
BT2 Rare Gas Compounds
BT1 Hydrides
BT2 Hydrogen Compounds

ARGON IODIDES [01]
DA December 1, 1974
BT1 Argon Compounds
BT2 Rare Gas Compounds
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds

ARGON IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

ARGON ISOTOPES [01]
DA December 1, 1974
BT1 Isotopes
NT1 Argon 31
NT1 Argon 32
NT1 Argon 33
NT1 Argon 34

NT1 Argon 35
NT1 Argon 36
NT1 Argon 37
NT1 Argon 38
NT1 Argon 39
NT1 Argon 40
NT1 Argon 41
NT1 Argon 42
NT1 Argon 43
NT1 Argon 44
NT1 Argon 45
NT1 Argon 46
NT1 Argon 47
NT1 Argon 49
NT1 Argon 50
NT1 Argon 51

Argon Method
DA December 1, 1974
USE Isotope Dating

ARGON NITRIDES [01]
DA December 1, 1974
BT1 Argon Compounds
BT2 Rare Gas Compounds
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides

ARGON OXIDES [01]
DA June 13, 1981
BT1 Argon Compounds
BT2 Rare Gas Compounds
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds

Argonaut Barcelona Reactor
DA December 1, 1974
USE ARGOS Reactor

Argonaut Bilbao Reactor
DA December 1, 1974
USE ARBI Reactor

Argonaut Eindhoven Reactor
DA December 1, 1974
USE Athene Reactor

Argonaut Lemont Reactor
DA December 1, 1974
USE Argonaut Reactor

ARGONAUT REACTOR [01]
(ANL, Argonne, Illinois)
DA December 1, 1974
UF *Argonaut Lemont Reactor*
UF *CP-11 Reactor*
BT1 Argonaut Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors

ARGONAUT TYPE REACTORS [01]
DA December 1, 1974
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Research and Test Reactors
BT2 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors
NT1 AEG-PR-10 Reactor
NT1 ARBI Reactor
NT1 Argonaut Reactor
NT1 ARGOS Reactor
NT1 Athene Reactor
NT1 Jason Reactor
NT1 LFR Reactor
NT1 MOATA Reactor
NT1 Nestor Reactor
NT1 Queen Mary College UTR-B Reactor
NT1 RA-1 Reactor
NT1 RB-2 Reactor
NT1 RIEN-1 Reactor
NT1 SRRC-UTR-100 Reactor
NT1 Stark Reactor
NT1 Strasbourg-Cronenbourg Reactor
NT1 UFTR Reactor
NT1 Ulysse Reactor
NT1 URR Reactor
NT1 UTR-10-Kinki Reactor
NT1 VPI-UTR-10 Reactor

Argonauta Rien-1 Reactor
DA December 1, 1974
USE RIEN-1 Reactor

Argonauta Rio Reactor
DA December 1, 1971
USE RIEN-1 Reactor

Argonne Advanced Research Reactor
DA December 1, 1974
USE CP-6 Reactor

Argonne Fast Source Reactor
DA December 1, 1974
USE AFSR Reactor

Argonne Heavy Water Modified Reactor
DA December 1, 1974
USE CP-3M Reactor

Argonne Heavy Water Reactor
DA December 1, 1974
USE CP-3 Reactor

Argonne High Flux Reactor
DA December 1, 1974
USE CP-6 Reactor

Argonne National Laboratory
DA December 1, 1974
USE ANL

Argonne Research Reactor
DA December 1, 1974
USE CP-5 Reactor

Argonne Superconducting Linac
DA April 24, 1985
USE ATLAS Superconducting Linac

Argonne Tank Research and Test Reactor-AARR
DA December 1, 1974
USE AARR Reactor

Argonne Thermal Source Reactor
DA December 1, 1974
USE ATSR Reactor

Argonne ZGS
DA December 1, 1974
USE ZGS

ARGONOX PROCESS
DA May 31, 1989
BT1 Combined SOxNOx Processes
BT2 Denitrification
BT3 Chemical Reactions
BT2 Desulfurization
BT3 Chemical Reactions
RT Denitrification

ARGOS REACTOR [01]
(Barcelona, Spain)
DA December 1, 1974
UF *Argonaut Barcelona Reactor*
UF *Barcelona Argonaut Reactor*
BT1 Argonaut Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors

ARGUS EVENT [01]
DA December 1, 1974
BT1 Atmospheric Explosions
BT2 Explosions
BT1 Nuclear Explosions
BT2 Explosions

ARID LANDS [01]
DA March 4, 1977
NT1 Deserts
RT Buffalo Gourd
RT Droughts
RT Jojoba
RT Land Use
RT Savannas
RT Terrestrial Ecosystems

ARIEL SATELLITES [01]
DA December 1, 1974
BT1 Satellites

ARIZONA [01]
DA December 1, 1974
BT1 USA
BT2 Developed Countries
BT2 North America
RT Great Basin

ARKANSAS [01]
DA December 1, 1974
BT1 USA
BT2 Developed Countries
BT2 North America
RT Chattanooga Formation
RT Mississippi River
RT Ozark Region
RT White River Basin

ARKANSAS-1 REACTOR [01]
(Pope, Arkansas, USA)
DA December 1, 1974
UF *Arkansas Power-Light-1 Reactor*
UF *Russellville-1 Arkansas Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

ARKANSAS-2 REACTOR [01]
(Pope, Arkansas, USA)
DA December 1, 1974
UF *Arkansas Power-Light-2 Reactor*
UF *Russellville-2 Arkansas Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

Arkansas Power-Light-1 Reactor
DA December 1, 1974
USE Arkansas-1 Reactor

Arkansas Power-Light-2 Reactor
DA December 1, 1974
USE Arkansas-2 Reactor

ARKANSAS RIVER
DA September 19, 1977
BT1 Rivers
BT2 Streams
BT3 Surface Waters

ARKTIKA REACTOR [01]
DA March 8, 1978
UF *Icebreaker Arktika Reactor*
UF *Leonid Brezhnev Reactor*
UF *Nuclear Ship Arktika Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Ship Propulsion Reactors
BT2 Propulsion Reactors
BT3 Reactors
RT NS Arktika

ARMATURES [01]
DA September 14, 1976
RT Electric Generators
RT Electric Motors
RT Rotors
RT Stators

ARMENIA [01]
(Prior to April 1993, this was indexed by USSR.)
DA April 8, 1993
BT1 Eastern Europe
BT2 Europe

ARMENIAN-1 REACTOR [01]
DA September 20, 1984
BT1 WWER Type Reactors
BT2 PWR Type Reactors
BT3 Enriched Uranium Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors
BT3 Thermal Reactors
BT4 Reactors
BT3 Water Cooled Reactors
BT4 Reactors
BT3 Water Moderated Reactors
BT4 Reactors

ARMENIAN-2 REACTOR [01]
DA September 20, 1984
UF *Oktemberian-2 Reactor*
BT1 WWER Type Reactors
BT2 PWR Type Reactors
BT3 Enriched Uranium Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors
BT3 Thermal Reactors
BT4 Reactors
BT3 Water Cooled Reactors
BT4 Reactors
BT3 Water Moderated Reactors
BT4 Reactors

ARMF-1 REACTOR [01]
(Idaho National Engineering Laboratory, Idaho Falls, Idaho)
DA December 1, 1974
UF *Advanced Reactivity Measurement Facility-1*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

ARMOR
DA September 28, 1976
RT Guns
RT Projectiles

ARMS [01]
DA April 19, 1976
BT1 Limbs
BT2 Body Areas
BT3 Body

ARMS CONTROL [01]
DA August 9, 1985
SF *Disarmament*
RT Non-Proliferation Policy
RT Non-Proliferation Treaty
RT Nuclear Disarmament
RT Nuclear Freeze
RT Rarotonga Treaty
RT SALT Talks
RT US ACDA
RT Verification
RT Weapons

Army Personnel
DA December 1, 1974
USE Military Personnel

Army Pulsed Reactor Assembly
DA December 1, 1974
USE APRF Reactor

Aromatic Acids
DA December 1, 1974
USE Carboxylic Acids

Aromatic Compounds
DA December 1, 1974
USE Aromatics

AROMATICS [01]
DA December 1, 1974
UF *Aromatic Compounds*
BT1 Organic Compounds
* NT1 Alkylated Aromatics
NT1 Aniline
NT1 Azaarenes
NT2 Acridines
NT3 Acridine Orange
NT3 Acridones
NT3 Flavines
NT4 Acriflavine
NT4 Proflavine
NT2 Carbazoles
NT2 Indoles
NT3 Indigo
NT3 Indocyanine Green
NT3 Lysergic Acid
NT3 Reserpine
NT3 Strychnine
NT3 Tryptamines
NT4 Melatonin
NT4 Serotonin
NT5 Bufotenine
NT3 Tryptophan
NT3 Vinblastine
NT2 Phenanthrolines
NT3 Ferroin
NT3 Phenanthroline-Ortho
NT2 Pteridines
NT3 Aminopterin
NT3 Folic Acid
NT2 Purines
NT3 Adenines
NT4 Kinetin
NT3 Guanine
NT3 Guanosine
NT3 Hypoxanthine
NT3 Inosine
NT3 Mercaptopurine
NT3 Xanthines
NT4 Caffeine
NT4 Theobromine
NT4 Theophylline
NT4 Uric Acid
NT2 Quinolines
NT3 Ferron
NT3 Kynurenic Acid
NT3 Oxine
NT3 Quinaldine
NT1 Benzene
NT1 Benzidine
NT1 Benzyl Alcohol
NT1 Bibenzyl
NT1 Biphenyl
* NT1 Condensed Aromatics
NT1 Cumene
NT1 Cymene
NT1 DDT
NT1 Divinylbenzene
NT1 Durene
* NT1 Halogenated Aromatic Hydrocarbons
NT1 Indan
NT1 Methyl Tyrosine
NT1 Oligophenylenes
NT1 Pethidine
NT1 Phenols
NT2 Amidol
NT2 BAMBP
NT2 Cresols
NT2 Dinitrophenol
NT2 Eriochrome Dyes
NT2 Naphthols
NT3 1-Nitroso-2-Naphthol
NT3 Acid Chrome Dyes
NT3 Beryllon
NT3 Nitroso-R Salt
NT3 PAN
NT3 Thorin
NT3 Trypan Blue
NT2 Nitrophenol
NT2 Phenol
NT2 Phenolphthalein
NT2 Picric Acid
NT2 Polyphenols
NT3 Arsenazo
NT3 Aurin
NT3 Bromosulfophthalein
NT3 Catecholamines
NT3 Curcumin
NT3 Dopamine
NT3 Fluorescein
NT4 Erythrosine
NT3 Hematoxylin
NT3 Morin
NT3 Pyridylazoresorcinol
NT3 Pyrocatechol
NT3 Pyrogallol
NT3 Quercetin
NT3 Resorcinol
NT3 Stilbestrol
NT3 Tannic Acid
NT3 Tiron
NT2 POP
NT2 Thymol
NT2 Tyramine
NT2 Xylenols
NT1 Polycyclic Aromatic Hydrocarbons
NT2 3-Methylcholanthrene
NT1 Polyphenyls
NT2 Santowax
NT2 Terphenyls
NT3 Terphenyl-Meta
NT3 Terphenyl-Ortho
NT3 Terphenyl-Para
NT1 Quaterphenyls
NT1 Quinones
NT2 Anthraquinones
NT3 Alizarin
NT3 Carminic Acid
NT3 Quinizarin
NT2 Benzoquinones
NT3 Chloranil
NT3 Chloranilic Acid
NT3 Plastoquinone
NT3 Quinhydrone
NT3 Ubiquinone
NT2 Rhodizonic Acid
NT2 Vitamin K
NT1 Stilbene
NT1 Tetralin
NT1 Tolan
RT Aromatization
RT Cyanine Dyes
RT Hydroaromatics
RT Hydrocarbons
RT Ninhydrin
RT Oleoresins
RT Organic Coolants
RT Organic Moderators
RT Solvesso
RT Squarylium Dyes
RT Syntans

AROMATIZATION [01]
DA April 8, 1975

BT1 Chemical Reactions
RT Aromatics

ARRAY PROCESSORS [01]
DA August 8, 1979
UF *Multiprocessors*
RT Cedar Computers
RT Computer Architecture
RT Computers
RT Data Processing
RT Digital Filters
RT Hypercube Computers
RT Microprocessors
RT Task Scheduling
DEF High-speed arithmetic processor providing floating-point computational power of large computer at low cost.

ARRHENIUS EQUATION [01]
DA December 1, 1974
BT1 Equations
RT Activation Energy
RT Chemical Reaction Kinetics
RT Partition
RT Reaction Kinetics

ARSANILIC ACID [01]
DA December 1, 1974
BT1 Amines
BT2 Organic Compounds
BT1 Arsonic Acids
BT2 Organic Acids
BT3 Organic Compounds
BT2 Organic Arsenic Compounds
BT3 Organic Compounds

ARSENATES [01]
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
DA December 1, 1974
BT1 Arsenic Compounds
BT1 Oxygen Compounds
RT Arsenic Oxides

ARSENAZO [01]
DA December 1, 1974
BT1 Arsonic Acids
BT2 Organic Acids
BT3 Organic Compounds
BT2 Organic Arsenic Compounds
BT3 Organic Compounds
BT1 Azo Compounds
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
BT1 Polyphenols
BT2 Phenols
BT3 Aromatics
BT4 Organic Compounds
BT3 Hydroxy Compounds
BT4 Organic Compounds
BT1 Reagents
BT1 Sulfonic Acids
BT2 Organic Acids
BT3 Organic Compounds
BT2 Organic Sulfur Compounds
BT3 Organic Compounds

ARSENIC [01]
DA December 1, 1974
BT1 Semimetals
BT2 Elements

→**ARSENIC 65 [01]**
DA January 14, 1991
BT1 Arsenic Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei

ARSENIC 66 [01]
DA March 29, 1979
BT1 Arsenic Isotopes
BT2 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

ARSENIC 67 [01]
DA April 6, 1978
BT1 Arsenic Isotopes
BT2 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ARSENIC 68 [01]
DA December 1, 1974
BT1 Arsenic Isotopes
BT2 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

ARSENIC 69 [01]
DA December 1, 1974
BT1 Arsenic Isotopes
BT2 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

ARSENIC 70 [01]
DA December 1, 1974
BT1 Arsenic Isotopes
BT2 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

ARSENIC 71 [01]
DA December 1, 1974
BT1 Arsenic Isotopes
BT2 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei

ARSENIC 72 [01]
DA December 1, 1974
BT1 Arsenic Isotopes
BT2 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei

ARSENIC 73 [01]
DA December 1, 1974
BT1 Arsenic Isotopes
BT2 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei

ARSENIC 74 [01]
DA December 1, 1974
BT1 Arsenic Isotopes
BT2 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ARSENIC 75 [01]
DA December 1, 1974
BT1 Arsenic Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

ARSENIC 75 TARGET [01]
DA July 9, 1976
BT1 Targets

ARSENIC 76 [01]
DA December 1, 1974
BT1 Arsenic Isotopes
BT2 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei

ARSENIC 77 [01]
DA December 1, 1974
BT1 Arsenic Isotopes
BT2 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei

ARSENIC 78 [01]
DA December 1, 1974
BT1 Arsenic Isotopes
BT2 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

ARSENIC 79 [01]
DA December 1, 1974
BT1 Arsenic Isotopes
BT2 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

ARSENIC 80 [01]
DA December 1, 1974
BT1 Arsenic Isotopes
BT2 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ARSENIC 81 [01]
DA December 1, 1974
BT1 Arsenic Isotopes
BT2 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ARSENIC 82 [01]
DA December 1, 1974
BT1 Arsenic Isotopes
BT2 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ARSENIC 83 [01]
DA December 1, 1974
BT1 Arsenic Isotopes
BT2 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ARSENIC 84 [01]
DA December 1, 1974
BT1 Arsenic Isotopes
BT2 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ARSENIC 85 [01]
DA December 1, 1974
BT1 Arsenic Isotopes
BT2 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ARSENIC 86 [01]
DA December 1, 1974
BT1 Arsenic Isotopes
BT2 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

ARSENIC 87 [01]
DA December 1, 1974
BT1 Arsenic Isotopes
BT2 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

ARSENIC ADDITIONS [01]
DA December 1, 1974
BT1 Arsenic Alloys
BT2 Alloys

ARSENIC ALLOYS [01]
DA December 1, 1974
BT1 Alloys
NT1 Arsenic Additions
RT Arsenides

ARSENIC BROMIDES [01]
DA December 1, 1974
BT1 Arsenic Compounds
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds

ARSENIC CHLORIDES [01]
DA December 1, 1974
BT1 Arsenic Compounds
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds

ARSENIC COMPLEXES [01]
DA December 1, 1974
BT1 Complexes

ARSENIC COMPOUNDS [01]
DA December 1, 1974
UF *Arsonium Compounds*
NT1 Arsenates
NT1 Arsenic Bromides
NT1 Arsenic Chlorides
NT1 Arsenic Fluorides
NT1 Arsenic Hydrides
NT1 Arsenic Iodides
* NT1 Arsenic Oxides
NT1 Arsenic Selenides
NT1 Arsenic Sulfides
NT1 Arsenic Tellurides
NT1 Arsenides
NT2 Aluminium Arsenides
NT2 Americium Arsenides
NT2 Berkelium Arsenides
NT2 Boron Arsenides
NT2 Cadmium Arsenides
NT2 Californium Arsenides
NT2 Cerium Arsenides
NT2 Cobalt Arsenides
NT2 Copper Arsenides
NT2 Curium Arsenides
NT2 Europium Arsenides
NT2 Gadolinium Arsenides
NT2 Gallium Arsenides
NT2 Germanium Arsenides

NT2 Hafnium Arsenides
NT2 Indium Arsenides
NT2 Iron Arsenides
NT2 Lithium Arsenides
NT2 Magnesium Arsenides
NT2 Manganese Arsenides
NT2 Molybdenum Arsenides
NT2 Neptunium Arsenides
NT2 Nickel Arsenides
NT2 Niobium Arsenides
NT2 Palladium Arsenides
NT2 Platinum Arsenides
NT2 Plutonium Arsenides
NT2 Praseodymium Arsenides
NT2 Ruthenium Arsenides
NT2 Samarium Arsenides
NT2 Silicon Arsenides
NT2 Silver Arsenides
NT2 Tellurium Arsenides
NT2 Terbium Arsenides
NT2 Thorium Arsenides
NT2 Thulium Arsenides
NT2 Tin Arsenides
NT2 Uranium Arsenides
NT2 Vanadium Arsenides
NT2 Yttrium Arsenides
NT2 Zinc Arsenides
NT2 Zirconium Arsenides
NT1 Cacodylic Acid
NT1 Thorin
RT Organic Arsenic Compounds

ARSENIC FLUORIDES [01]
DA December 1, 1974
BT1 Arsenic Compounds
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds

ARSENIC HYDRIDES [01]
DA December 1, 1974
BT1 Arsenic Compounds
BT1 Hydrides
BT2 Hydrogen Compounds

ARSENIC IODIDES [01]
DA December 1, 1974
BT1 Arsenic Compounds
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds

ARSENIC IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

ARSENIC ISOTOPES [01]
DA December 1, 1974
BT1 Isotopes
NT1 Arsenic 65
NT1 Arsenic 66
NT1 Arsenic 67
NT1 Arsenic 68
NT1 Arsenic 69
NT1 Arsenic 70
NT1 Arsenic 71
NT1 Arsenic 72
NT1 Arsenic 73
NT1 Arsenic 74
NT1 Arsenic 75
NT1 Arsenic 76
NT1 Arsenic 77
NT1 Arsenic 78
NT1 Arsenic 79
NT1 Arsenic 80
NT1 Arsenic 81
NT1 Arsenic 82
NT1 Arsenic 83
NT1 Arsenic 84
NT1 Arsenic 85
NT1 Arsenic 86
NT1 Arsenic 87

ARSENIC OXIDES [01]
DA December 1, 1974
BT1 Arsenic Compounds
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds
NT1 Hallimondite
NT1 Heinrichite
NT1 Kahlerite
NT1 Kirchheimerite
NT1 Novacekite
RT Arsenates
RT Oxide Minerals
RT Zeunerite

ARSENIC SELENIDES [01]
DA August 19, 1975
BT1 Arsenic Compounds
BT1 Selenides
BT2 Chalcogenides
BT2 Selenium Compounds

ARSENIC SULFIDES [01]
DA December 1, 1974
BT1 Arsenic Compounds
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds

ARSENIC TELLURIDES [01]
DA August 19, 1975
BT1 Arsenic Compounds
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds

ARSENIDES [01]
DA December 1, 1974
UF+ *Titanium Arsenides*
BT1 Arsenic Compounds
BT1 Pnictides
NT1 Aluminium Arsenides
NT1 Americium Arsenides
NT1 Berkelium Arsenides
NT1 Boron Arsenides
NT1 Cadmium Arsenides
NT1 Californium Arsenides
NT1 Cerium Arsenides
NT1 Cobalt Arsenides
NT1 Copper Arsenides
NT1 Curium Arsenides
NT1 Europium Arsenides
NT1 Gadolinium Arsenides
NT1 Gallium Arsenides
NT1 Germanium Arsenides
NT1 Hafnium Arsenides
NT1 Indium Arsenides
NT1 Iron Arsenides
NT1 Lithium Arsenides
NT1 Magnesium Arsenides
NT1 Manganese Arsenides
NT1 Molybdenum Arsenides
NT1 Neptunium Arsenides
NT1 Nickel Arsenides
NT1 Niobium Arsenides
NT1 Palladium Arsenides
NT1 Platinum Arsenides
NT1 Plutonium Arsenides
NT1 Praseodymium Arsenides
NT1 Ruthenium Arsenides
NT1 Samarium Arsenides
NT1 Silicon Arsenides
NT1 Silver Arsenides
NT1 Tellurium Arsenides
NT1 Terbium Arsenides
NT1 Thorium Arsenides
NT1 Thulium Arsenides
NT1 Tin Arsenides
NT1 Uranium Arsenides
NT1 Vanadium Arsenides
NT1 Yttrium Arsenides
NT1 Zinc Arsenides
NT1 Zirconium Arsenides
RT Arsenic Alloys
RT Intermetallic Compounds

ARSI Reactor
DA December 1, 1974
USE Avogadro RS-1 Reactor

ARSONIC ACIDS [01]
DA December 1, 1974
BT1 Organic Acids
BT2 Organic Compounds
BT1 Organic Arsenic Compounds
BT2 Organic Compounds
NT1 Arsanilic Acid
NT1 Arsenazo
NT1 Beryllon

Arsonium Compounds
DA December 1, 1974
USE Arsenic Compounds

Art Objects
DA February 9, 1982
USE Cultural Objects

ARTEMIA [01]
DA December 1, 1974
UF *Brine Shrimp*
BT1 Branchiopods
BT2 Crustaceans
BT3 Aquatic Organisms
BT3 Arthropods
BT4 Invertebrates
BT5 Animals

ARTERIES [01]
DA December 1, 1974
BT1 Blood Vessels
BT2 Cardiovascular System
BT2 Organs
BT3 Body
NT1 Aorta
NT1 Carotid Arteries
NT1 Cerebral Arteries
NT1 Coronaries
RT Arteriosclerosis
RT Blood Pressure

ARTERIOSCLEROSIS [01]
DA December 1, 1974
UF *Atherosclerosis*
BT1 Cardiovascular Diseases
BT2 Diseases
BT1 Vascular Diseases
BT2 Diseases
RT Arteries

ARTESIAN BASINS
DA January 28, 1975
RT Aquifers
RT Ground Water
DEF Terranes, often but not necessarily basin shaped, including an artesian aquifer whose potentiometric surface typically is above the land surface in the topographically lower portion of the terrane.

Arthritis
DA December 1, 1974
USE Rheumatic Diseases

ARTHROPODS [01]
DA December 1, 1974
BT1 Invertebrates
BT2 Animals
NT1 Arachnids
NT2 Mites
NT2 Scorpions
NT2 Spiders
NT2 Ticks
NT1 Crustaceans
NT2 Branchiopods
NT3 Artemia
NT3 Daphnia
NT2 Copepods
NT2 Decapods
NT3 Crabs
NT3 Lobsters
NT3 Prawns
NT3 Shrimp
NT1 Insects
NT2 Coleoptera
NT3 Beetles
NT4 Boll Weevil
NT4 Tribolium
NT2 Dictyoptera
NT3 Cockroaches
NT2 Diptera
NT3 Flies
NT4 Fruit Flies
NT5 Ceratitis Capitata
NT5 Dacus
NT6 Dacus Oleae
NT5 Drosophila
NT5 Rhagoletis Cerasi

NT4 Glossina
NT4 Hylemya Antiqua
NT4 Screwworm Fly
NT3 Mosquitoes
NT2 Ephemeroptera
NT2 Hemiptera
NT3 Aphids
NT2 Hymenoptera
NT3 Ants
NT3 Bees
NT3 Wasps
NT4 Habrobracon
NT2 Lepidoptera
NT3 Moths
NT4 Bollworm
NT4 Codling Moth
NT4 Lymantria Dispar
NT4 Rice Stem Borers
NT4 Silkworm
NT2 Orthoptera
NT3 Grasshoppers
NT4 Locusts

Arthur D Little Coal Liquefaction Process
DA May 1, 1978
USE Coal Liquefaction

ARTIFICIAL INTELLIGENCE [01]
DA February 10, 1984
RT Computers
RT Expert Systems
RT Knowledge Base
RT LISP
RT Neural Networks
RT Programming
DEF A subfield of computer science concerned with the concepts and methods of symbolic inference by a computer and the symbolic representation of the knowledge to be used in making inferences.

ARTIFICIAL LIFTS [01]
DA May 7, 1977
NT1 Gas Lifts
RT Oil Wells
DEF Any method of lifting oil out of underground reservoirs, usually by injecting gas or foam into a rock or sand formation to force fluids from wells.

ARTIFICIAL ORGANS [01]
DA December 1, 1974
NT1 Mechanical Heart
NT1 Mechanical Kidney
RT Organs

ARTIFICIAL RADIATION BELTS [01]
DA December 1, 1974
BT1 Radiation Belts
RT Nuclear Explosions

ARYL 4-MONOOXYGENASE
DA June 13, 1981
UF *Aryl Hydrocarbon Monooxygenase*
BT1 Oxidoreductases
BT2 Enzymes
BT3 Proteins
BT4 Organic Compounds
RT Mixed-Function Oxidases

Aryl Hydrocarbon Monooxygenase
DA June 13, 1981
USE Aryl 4-Monooxygenase

ARYL RADICALS [01]
DA December 1, 1974
BT1 Radicals
NT1 Anisyl Radicals
NT1 Benzyl Radicals
NT1 Mesityl Radicals
NT1 Naphthyl Radicals
NT1 Phenethyl Radicals
NT1 Phenyl Radicals
NT1 Tolyl Radicals
RT Arylation

ARYLATION
DA February 22, 1985
BT1 Chemical Reactions
RT Aryl Radicals
DEF The introduction, by substitution or addition, of an aryl group into a chemical compound.

Arylmagnesium Compounds
DA December 1, 1974
USE Grignard Reagents

AS RECYCLING PROCESS
DA January 30, 1979
BT1 Desulfurization
BT2 Chemical Reactions
RT Waste Processing

ASBESTOS [01]
DA December 1, 1974
RT Refractories

ASCARIDAE [01]
DA December 1, 1974
BT1 Nematodes
BT2 Aschelminthes
BT3 Helminths
BT4 Parasites
NT1 Ascaris
RT Chickens
RT Intestines

ASCARIS [01]
DA December 1, 1974
BT1 Ascaridae
BT2 Nematodes
BT3 Aschelminthes
BT4 Helminths
BT5 Parasites
RT Small Intestine

ASCHELMINTHES
DA June 17, 1981
BT1 Helminths
BT2 Parasites
NT1 Nematodes
NT2 Ascaridae
NT3 Ascaris
NT2 Dictyocaulus
NT2 Hookworm
NT3 Nippostrongylus
NT2 Syngamus
NT2 Trichinella

ASCITES [01]
DA December 1, 1974
BT1 Pathological Changes
BT1 Symptoms
RT Ascites Tumor Cells
RT Ehrlich Ascites Tumor
RT Neoplasms
RT Peritoneum

ASCITES TUMOR CELLS [01]
DA December 1, 1974
BT1 Tumor Cells
BT2 Animal Cells
RT Ascites
RT Ehrlich Ascites Tumor
RT Neoplasms

ASCO-1 REACTOR [01]
(Asco, Tarragona, Spain)
DA June 2, 1977
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

ASCO-2 REACTOR [01]
(Asco, Tarragona, Spain)
DA June 2, 1977
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

ASCOLOY [01]
DA December 1, 1974
BT1 Carbon Additions
BT2 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Iron Base Alloys
BT2 Iron Alloys
BT3 Alloys
BT1 Manganese Additions
BT2 Manganese Alloys
BT3 Alloys
BT1 Nickel Alloys
BT2 Alloys
BT1 Silicon Additions
BT2 Silicon Alloys
BT3 Alloys

ASCORBIC ACID [01]
DA December 1, 1974
UF *Vitamin C*
BT1 Vitamins
RT Redox Process

ASDEX TOKAMAK [01]
DA April 12, 1977
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

ASH CONTENT [01]
DA May 8, 1984
RT Ashes
RT Chemical Composition
RT Coal

Ash Separators
DA March 22, 1976
USE Inertial Separators

ASHES [01]
DA April 8, 1975
BT1 Combustion Products
BT1 Residues
NT1 Fly Ash
RT Ash Content
RT Deashing
RT Particulates
RT Solid Wastes

Ashing (Dry)
DA December 1, 1974
USE Dry Ashing

Ashing (Wet)
DA December 1, 1974
USE Wet Ashing

ASI
DA March 8, 1978
USE Adiabatic Surface Ionization

ASIA [01]
DA December 1, 1974
NT1 Afghanistan
NT1 Bahrain
NT1 Bangladesh
NT1 Bhutan
NT1 Brunei
NT1 Burma
NT1 Cambodia
NT1 China
NT2 Inner Mongolia
NT2 Manchuria
NT2 Taiwan
NT1 Hong Kong
NT1 India
NT1 Indonesia
NT1 Iran
NT1 Iraq
NT1 Israel
NT1 Japan
NT2 Hachimantai

NT2 Hiroshima
NT2 Nagasaki
NT1 Jordan
NT1 Kazakhstan
NT1 Kuwait
NT1 Kyrgyzstan
NT1 Laos
NT1 Lebanon
NT1 Macao
NT1 Malaysia
NT1 Mongolian Peoples Republic
NT1 Nepal
NT1 New Guinea
NT2 Papua New Guinea
NT1 North Korea
NT1 North Vietnam
NT1 Oman
NT1 Pakistan
NT1 Philippines
NT1 Qatar
NT1 Republic of Korea
NT1 Saudi Arabia
NT1 Siberia
NT1 Singapore
NT1 South Vietnam
NT1 Sri Lanka
NT1 Syria
NT1 Tajikistan
NT1 Thailand
NT1 Tibet
NT1 Turkey
NT1 Turkmenistan
NT1 United Arab Emirates
NT1 USSR
NT2 Caucasus
NT2 Crimea
NT2 Dubna
NT2 Kurile Islands
NT2 Lovozero
NT1 Uzbekistan
NT1 Viet Nam
NT1 Yemen
RT Arab Countries

ASPA DEVICE [01]
DA December 1, 1974
BT1 Magnetic Mirrors
BT2 Open Plasma Devices
BT3 Thermonuclear Devices

Asparagic Acid
DA December 1, 1974
USE Aspartic Acid

ASPARAGINE [01]
DA December 1, 1974
UF *Agedoite*
UF *Althein*
UF *Aminosuccinamic Acid-alpha*
UF *Asparagine-Beta*
UF *Asparamide*
BT1 Amides
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
BT1 Amino Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
RT Aspartic Acid

Asparagine-Beta
DA December 1, 1974
USE Asparagine

Asparaginic Acid
DA December 1, 1974
USE Aspartic Acid

Asparamide
DA December 1, 1974
USE Asparagine

ASPARTIC ACID [01]
DA December 1, 1974
UF *Aminosuccinic Acid*
UF *Asparagic Acid*
UF *Asparaginic Acid*
BT1 Amino Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
RT Asparagine
RT Succinic Acid

ASPECT RATIO [01]
DA December 1, 1974
RT Closed Plasma Devices
RT Plasma
RT Tori

ASPENS [01]
DA August 4, 1976
BT1 Poplars
BT2 Magnoliopsida
BT3 Magnoliophyta
BT4 Plants
BT2 Trees
BT3 Plants
RT Cottonwoods

ASPERGILLUS [01]
DA December 1, 1974
BT1 Eumycota
BT2 Fungi
BT3 Plants
RT Aflatoxins

ASPHALT RIDGE DEPOSIT [01]
DA May 7, 1977
BT1 Oil Sand Deposits
BT2 Geologic Deposits
RT Oil Sands
RT Utah

ASPHALTENES
DA January 31, 1975
BT1 Asphalts
BT2 Bitumens
BT3 Tar
BT4 Other Organic Compounds
BT5 Organic Compounds
DEF Any of the dark, solid constituents of crude oils and other bitumens which are soluble in carbon disulfide but insoluable in paraffin naphthas; they hold most of the organic constituents of bitumens.

ASPHALTITE [01]
DA December 1, 1974
BT1 Other Organic Compounds
BT2 Organic Compounds
RT Bitumens

ASPHALTS [01]
DA December 1, 1974
BT1 Bitumens
BT2 Tar
BT3 Other Organic Compounds
BT4 Organic Compounds
NT1 Asphaltenes
RT Road Oils

Aspirin
DA March 22, 1976
USE Acetylsalicylic Acid

Assaying
DA December 1, 1974
USE Qualitative Chemical Analysis

ASSE SALT MINE [01]
(Underground test facility in the Federal Republic of GermanyGermany for research and development in the field of waste storage and disposal.)
DA August 14, 1987
BT1 Mines
BT2 Underground Facilities
BT1 Radioactive Waste Facilities
BT2 Nuclear Facilities
RT Federal Republic of Germany
RT Radioactive Waste Disposal
RT Salt Deposits
RT Underground Disposal

Assessments
DA December 1, 1974
USE Charges

Assets
DA December 10, 1979
USE Financial Data

Assignments
DA February 6, 1975
USE Allocations

ASSOCIATED GAS [01]
DA March 9, 1978
BT1 Gases
BT2 Fluids
RT Oil Fields
RT Petroleum Deposits
DEF Gaseous hydrocarbons occurring as a free-gas phase under original oil-reservoir conditions of pressure and temperature.

ASTAR 811C [01]
DA December 1, 1974
BT1 Hafnium Additions
BT2 Hafnium Alloys
BT3 Alloys
BT1 Tantalum Base Alloys
BT2 Tantalum Alloys
BT3 Alloys
BT1 Tungsten Alloys
BT2 Alloys

ASTATINATION [01]
DA September 15, 1983
BT1 Halogenation
BT2 Chemical Reactions

ASTATINE [01]
DA December 1, 1974
BT1 Halogens
BT2 Nonmetals
BT3 Elements

ASTATINE 194 [01]
DA May 8, 1984
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Astatine Isotopes
BT2 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

ASTATINE 195 [01]
DA December 1, 1974
BT1 Astatine Isotopes
BT2 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

ASTATINE 196 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Astatine Isotopes
BT2 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

ASTATINE 197 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Astatine Isotopes
BT2 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes

BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

ASTATINE 198 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Astatine Isotopes
BT2 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ASTATINE 199 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Astatine Isotopes
BT2 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ASTATINE 200 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Astatine Isotopes
BT2 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ASTATINE 201 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Astatine Isotopes
BT2 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

ASTATINE 202 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Astatine Isotopes
BT2 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ASTATINE 203 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Astatine Isotopes
BT2 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

ASTATINE 204 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Astatine Isotopes
BT2 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

ASTATINE 205 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Astatine Isotopes
BT2 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

ASTATINE 206 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Astatine Isotopes
BT2 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

ASTATINE 207 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Astatine Isotopes
BT2 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

ASTATINE 208 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Astatine Isotopes
BT2 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

ASTATINE 209 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Astatine Isotopes
BT2 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

ASTATINE 210 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Astatine Isotopes
BT2 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

ASTATINE 211 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Astatine Isotopes
BT2 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei

BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

ASTATINE 212 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Astatine Isotopes
BT2 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ASTATINE 212 TARGET [01]
DA November 10, 1977
BT1 Targets

ASTATINE 213 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Astatine Isotopes
BT2 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Nanosec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ASTATINE 214 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Astatine Isotopes
BT2 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Microsec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ASTATINE 215 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Astatine Isotopes
BT2 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Microsec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ASTATINE 216 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Astatine Isotopes
BT2 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Microsec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ASTATINE 217 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Astatine Isotopes
BT2 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ASTATINE 218 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Astatine Isotopes
BT2 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ASTATINE 219 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Astatine Isotopes
BT2 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ASTATINE 220 [01]
DA May 11, 1989
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Astatine Isotopes
BT2 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

ASTATINE 221 [01]
DA June 21, 1989
BT1 Astatine Isotopes
BT2 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

ASTATINE 222 [01]
DA June 21, 1989
BT1 Astatine Isotopes
BT2 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ASTATINE 223 [01]
DA June 21, 1989
BT1 Astatine Isotopes
BT2 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

Astatine Additions
(Prior to August 1993 this was a valid descriptor.)
DA January 20, 1975
USE Alloys

ASTATINE BROMIDES [01]
DA December 1, 1974
BT1 Astatine Compounds
BT2 Halogen Compounds
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds

ASTATINE CHLORIDES [01]
DA December 1, 1974
BT1 Astatine Compounds
BT2 Halogen Compounds
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds

ASTATINE COMPLEXES [01]
DA December 1, 1974
BT1 Complexes

ASTATINE COMPOUNDS [01]
DA December 1, 1974
BT1 Halogen Compounds
NT1 Astatine Bromides
NT1 Astatine Chlorides
NT1 Astatine Iodides

ASTATINE IODIDES [01]
DA December 1, 1974
BT1 Astatine Compounds
BT2 Halogen Compounds
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds

ASTATINE IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

ASTATINE ISOTOPES [01]
DA December 1, 1974
BT1 Isotopes
NT1 Astatine 194
NT1 Astatine 195
NT1 Astatine 196
NT1 Astatine 197
NT1 Astatine 198
NT1 Astatine 199
NT1 Astatine 200
NT1 Astatine 201
NT1 Astatine 202
NT1 Astatine 203
NT1 Astatine 204
NT1 Astatine 205
NT1 Astatine 206
NT1 Astatine 207
NT1 Astatine 208
NT1 Astatine 209
NT1 Astatine 210
NT1 Astatine 211
NT1 Astatine 212
NT1 Astatine 213
NT1 Astatine 214
NT1 Astatine 215
NT1 Astatine 216
NT1 Astatine 217
NT1 Astatine 218
NT1 Astatine 219
NT1 Astatine 220
NT1 Astatine 221
NT1 Astatine 222
NT1 Astatine 223

ASTEROIDS [01]
DA December 1, 1974
RT Planets
RT Solar System

ASTHMA [01]
DA October 13, 1976
BT1 Respiratory System Diseases
BT2 Diseases
RT Immune System Diseases

ASTR REACTOR [01]
DA December 1, 1974
UF *Aerospace System Test Reactor*
UF *Aircraft Shield Test Reactor*
UF *Fort Worth ASTR Reactor*
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors

ASTRA REACTOR [01]
(Oesterrichische Studiengesellshaft Fuer Atomenergie, GMBH, Vienna, Austria)
DA December 1, 1974
UF *Adapted Swimming Pool Reactor Austria*
UF *Austrian Research Reactor*
UF *Swimming Pool Tank Reactor Austria*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
RT Seibersdorf Research Centre

ASTROCYTOMAS [01]
DA January 12, 1981
BT1 Gliomas
BT2 Neoplasms
BT3 Diseases

ASTROLOY
DA December 1, 1974
BT1 Alloy-Ni55Co17Cr15Mo5Al4Ti4
BT2 Aluminium Alloys
BT3 Alloys
BT2 Boron Additions
BT3 Boron Alloys
BT4 Alloys
BT2 Chromium Alloys
BT3 Alloys
BT2 Cobalt Alloys
BT3 Alloys
BT2 Molybdenum Alloys
BT3 Alloys
BT2 Nickel Base Alloys
BT3 Nickel Alloys
BT4 Alloys
BT2 Titanium Alloys
BT3 Alloys
BT2 Zirconium Additions
BT3 Zirconium Alloys
BT4 Alloys
BT1 Aluminium Alloys
BT2 Alloys
BT1 Boron Additions
BT2 Boron Alloys
BT3 Alloys
BT1 Carbon Additions
BT2 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Cobalt Alloys
BT2 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Nickel Base Alloys
BT2 Nickel Alloys
BT3 Alloys
BT1 Titanium Alloys
BT2 Alloys

ASTRON [01]
DA December 1, 1974
BT1 Closed Plasma Devices
BT2 Thermonuclear Devices

ASTRON SATELLITES [01]
DA July 19, 1985
BT1 Satellites

ASTRONAUTS [01]
DA December 1, 1974
BT1 Personnel
BT2 Man
BT3 Primates
BT4 Mammals
BT5 Vertebrates
BT6 Animals
RT Aviation Personnel

ASTRONOMY [01]
DA December 1, 1974
NT1 Gamma Astronomy
NT1 Radioastronomy
RT Astrophysics
RT Eclipse
RT Stars

ASTROPHYSICS [01]
DA December 1, 1974
RT Astronomy
RT Chandrasekhar Theory
RT Cosmology
RT Force-Free Magnetic Fields
RT Galactic Evolution
RT Red Shift

ASYMMETRY [01]
DA December 1, 1974
NT1 East-West Asymmetry
NT1 North-South Asymmetry
RT Anisotropy
RT Asymmetry Coefficients
RT Configuration
RT Distribution
RT Orientation
RT Symmetry

ASYMMETRY COEFFICIENTS [01]
DA December 1, 1974
RT Asymmetry

Asymptotic Conditions
DA December 1, 1974
USE Boundary Conditions

ASYMPTOTIC SOLUTIONS [01]
DA December 1, 1974
RT Analytical Solution
RT Boundary Conditions
RT Limiting Fragmentation
RT Mathematics
RT Numerical Solution

ATC DEVICES [01]
DA December 1, 1974
UF *Adiabatic Toroidal Compressors*
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

ATF TORSATRON [01]
DA July 7, 1983
BT1 Torsatron Stellarators
BT2 Stellarators
BT3 Closed Plasma Devices
BT4 Thermonuclear Devices

ATGAS PROCESS [01]
DA January 24, 1975
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes
RT SNG Processes
DEF Applied Technology Corporation process for producing intermediate- or high-Btu gas using molten iron gasification technique to gasify all types of coal with steam and oxygen at 5 psia pressure and 2600°F. The process can be adapted to make low-Btu gas by using air instead of oxygen.

ATHABASCA DEPOSIT [01]
DA April 8, 1975
BT1 Oil Sand Deposits
BT2 Geologic Deposits
RT Alberta
RT Canada
RT Oil Sands

ATHABASCA LAKE [01]
DA December 1, 1974
BT1 Lakes
BT2 Surface Waters
RT Alberta
RT Saskatchewan

ATHENE REACTOR [01]
DA December 1, 1974
UF *Argonaut Eindhoven Reactor*
UF *Atoomreactor Technische Hogeschool Eindhoven Nederland*
UF *Eindhoven Argonaut Reactor*
BT1 Argonaut Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors

BT1 Thermal Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors

Atherosclerosis
DA December 1, 1974
USE Arteriosclerosis

ATLANTA [01]
DA October 20, 1977
BT1 Georgia
BT2 USA
BT3 Developed Countries
BT3 North America
BT1 Urban Areas

ATLANTIC-1 REACTOR [01]
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
RT Offshore Nuclear Power Plants

ATLANTIC-2 REACTOR [01]
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
RT Offshore Nuclear Power Plants

ATLANTIC OCEAN [01]
DA December 1, 1974
BT1 Seas
BT2 Surface Waters
NT1 Baltimore Canyon
NT1 Bay of Biscay
NT1 Bay of Fundy
NT1 Biscayne Bay
NT1 Caribbean Sea
NT2 Gulf of Mexico
NT3 Galveston Bay
NT3 San Antonio Bay
NT1 Chesapeake Bay
NT1 Gulf of Maine
NT1 Irish Sea
NT1 Long Island Sound
NT1 Mid-Atlantic Bight
NT2 New York Bight
NT1 North Sea
NT1 Onslow Bay
NT1 Sargasso Sea
NT1 South Atlantic Bight
NT1 Weddell Sea
RT Bahama Islands
RT Bermuda
RT Cape Verde Islands
RT Faeroe Islands
RT Georges Bank
RT Gulf Stream
RT Iceland
RT Mid-Atlantic Ridge
RT Newfoundland
RT Prince Edward Island
RT US East Coast

ATLAS COMPUTERS [01]
DA December 1, 1974
BT1 Computers

ATLAS ROCKETS [01]
DA December 1, 1974
BT1 Rockets
RT Thrusters

ATLAS SUPERCONDUCTING LINAC [01]
(Argonne Tandem/Linac Accelerator.)
DA April 24, 1985
UF *Argonne Superconducting Linac*
BT1 Heavy Ion Accelerators
BT2 Accelerators
BT1 Linear Accelerators
BT2 Accelerators

ATMOSPHERES [01]
(Not for EARTH ATMOSPHERE.)
DA December 1, 1974
NT1 Controlled Atmospheres
NT1 Planetary Atmospheres
NT2 Planetary Magnetospheres
NT1 Satellite Atmospheres
NT2 Lunar Atmosphere
NT1 Solar Atmosphere
NT2 Chromosphere
NT2 Heliosphere
NT2 Photosphere
NT2 Solar Corona
NT1 Stellar Atmospheres
NT2 Stellar Chromospheres
NT2 Stellar Coronae
NT3 Solar Corona
NT2 Stellar Magnetospheres

ATMOSPHERIC CHEMISTRY [01]
DA June 6, 1979
BT1 Chemistry
RT Air Pollution
RT Ozone
RT Photochemical Reactions
RT Photochemistry
RT Smog
DEF Study of the production, transport, modification, and removal of atmospheric constituents in the troposphere and stratosphere.

ATMOSPHERIC CIRCULATION [01]
DA August 24, 1982
RT Air Flow
RT Box Models
RT Climate Models
RT Climates
RT Currents
RT Earth Atmosphere
RT General Circulation Models
RT Meteorology
RT Southern Oscillation
RT Wind
DEF Global or hemispheric air movements which can be treated by equations of motion in contrast to atmospheric diffusion which is small random movement not amenable to treatment by these equations.

ATMOSPHERIC EXPLOSIONS [01]
DA December 1, 1974
UF+ *Boltzmann Event*
BT1 Explosions
NT1 Annie Event
NT1 Argus Event
NT1 Harry Event
NT1 Orange Event
NT1 Ranger Project
NT1 Romeo Event
NT1 Smoky Event
NT1 Starfish Event
NT1 Teak Event
NT1 Tewa Event
NT1 Trinity Event
NT1 Yankee Event
RT Buffalo Project
RT Crossroads Project
RT Dominic Project
RT Earth Atmosphere
RT Ionospheric Effects
RT Little Boy
RT Nuclear Explosion Detection
RT Nuclear Explosions

Atmospheric Exposure Chambers
DA October 20, 1977
USE Exposure Chambers

Atmospheric Inversion
DA September 4, 1980
USE Temperature Inversions

ATMOSPHERIC PRECIPITATIONS [01]
DA December 1, 1974
UF *Precipitations (Atmospheric)*
NT1 Hail
NT1 Rain
NT2 Acid Rain
NT1 Snow
RT Aitken Nuclei
RT Climates
RT Clouds
RT Droplets
RT Droughts
RT Earth Atmosphere
RT Environmental Materials
RT Fallout
RT Fog
RT Interception
RT Meteoric Water
RT Meteorology
RT Rain Water
RT Runoff
RT Seasons
RT Storms
RT Throughfall
RT Washout
RT Weather

ATMOSPHERIC PRESSURE [01]
DA July 18, 1979
RT Earth Atmosphere
RT Pressure Measurement
RT Southern Oscillation

ATMOSPHERICS [01]
DA December 1, 1974
UF *Sferics*
BT1 Radio Noise
BT2 Noise
BT2 Radiowave Radiation
BT3 Electromagnetic Radiation
BT4 Radiations
RT Whistlers

ATOM-ATOM COLLISIONS [01]
DA December 1, 1974
BT1 Atom Collisions
BT2 Collisions
RT Electron Exchange

ATOM COLLISIONS [01]
DA December 1, 1974
BT1 Collisions
NT1 Atom-Atom Collisions
NT1 Atom-Molecule Collisions
NT1 Electron-Atom Collisions
NT1 Ion-Atom Collisions
NT1 Muon-Atom Collisions
NT1 Photon-Atom Collisions
NT1 Positron-Atom Collisions
RT Atomic Physics

ATOM-MOLECULE COLLISIONS [01]
DA December 1, 1974
BT1 Atom Collisions
BT2 Collisions
BT1 Molecule Collisions
BT2 Collisions
RT Electron Exchange

ATOM TRANSPORT [01]
DA June 12, 1975
UF *Transport (Atoms)*
BT1 Neutral-Particle Transport
BT2 Radiation Transport
RT Atoms
RT Diffusion
RT Mass Transfer
RT Transport Theory

Atomic Absorption Spectroscopy
DA December 1, 1974
USE Absorption Spectroscopy

ATOMIC BEAM DIFFRACTION [01]
DA October 28, 1975
BT1 Diffraction
BT2 Coherent Scattering

BT3 Scattering
RT Crystallography

ATOMIC BEAM SOURCES [01]
DA November 10, 1977
BT1 Neutral Beam Sources
RT Atomic Beams
RT Beam Injection Heating
RT Ion Sources
RT Neutral Atom Beam Injection

ATOMIC BEAMS [01]
DA December 1, 1974
BT1 Beams
RT Atomic Beam Sources
RT Beam Strippers

Atomic Bombs
DA December 1, 1974
USE Nuclear Weapons

ATOMIC CLOCKS [01]
DA December 1, 1974
RT Electronic Equipment
RT Time Interval Analyzers
RT Time Measurement

Atomic Clouds
DA December 1, 1974
USE Radioactive Clouds

→**ATOMIC CLUSTERS [01]**
DA November 4, 1992
RT Cluster Beams
RT Fullerenes
RT Ion Pairs

ATOMIC DISPLACEMENTS [01]
DA February 9, 1983
BT1 Physical Radiation Effects
BT2 Radiation Effects

Atomic Energy
DA May 6, 1980
USE Nuclear Energy

ATOMIC ENERGY ACT
DA April 14, 1980
BT1 Atomic Energy Laws
BT2 Laws

ATOMIC ENERGY AGREEMENTS [01]
DA December 1, 1974
BT1 International Agreements
BT2 Agreements

ATOMIC ENERGY CONTROL [01]
DA December 1, 1974
BT1 Control
NT1 International Control
NT1 National Control
RT Legal Aspects
RT Safeguards

ATOMIC ENERGY LAWS [01]
DA December 1, 1974
BT1 Laws
NT1 Atomic Energy Act
RT Secrecy Protection

ATOMIC ENERGY OF CANADA LTD [01]
DA November 9, 1977
UF *AECL*
BT1 Canadian Organizations
BT2 National Organizations
NT1 Chalk River Nuclear Labs
RT Canada

Atomic Energy Research Establishment
DA December 1, 1974
USE AERE

Atomic Explosions
DA December 1, 1974
USE Nuclear Explosions

Atomic Fluorescence Spectroscopy
DA December 1, 1974
USE Fluorescence Spectroscopy

ATOMIC IONS [01]
(Coordinate the above descriptor with a descriptor for the appropriate specific ion.)
DA December 16, 1975
UF *Ions (Atomic)*
BT1 Ions
BT2 Charged Particles

ATOMIC MODELS [01]
DA December 1, 1974
UF *Models (Atomic)*
UF+ *Molecular Orbital Model*
BT1 Mathematical Models
NT1 Thomas-Fermi Model
RT Atomic Physics
RT Atomic Radii
RT Bohr Theory
RT Configuration Interaction
RT Electron Correlation
RT Electronic Structure
RT Harmonic Oscillator Models
RT Hartree-Fock Method
RT Optical Models
RT Self-Consistent Field
RT Single-Particle Model

ATOMIC NUMBER [01]
DA December 1, 1974
UF *Nuclear Charge*
RT Periodic System
RT Stopping Power

ATOMIC PHYSICS [01]
(Use only for indexing articles of very broad coverage, such as annual reviews, text books, etc.)
DA August 11, 1982
BT1 Physics
RT Atom Collisions
RT Atomic Models

Atomic Power Company Main Yankee
DA December 1, 1974
USE Maine Yankee Reactor

ATOMIC RADII [01]
DA December 1, 1974
RT Atomic Models
RT Electronic Structure

Atomic Shells
DA December 1, 1974
USE Electronic Structure

Atomic Shells (K)
DA August 24, 1976
USE K Shell

Atomic Shells (L)
DA August 24, 1976
USE L Shell

Atomic Shells (M)
DA August 24, 1976
USE M Shell

Atomic Shells (N)
DA October 23, 1978
USE N Shell

Atomic Weapons
DA December 1, 1974
USE Nuclear Weapons

Atomic Weight
DA October 5, 1982
SEE Mass Number

Atomics International Aqueous Carbonate Process
DA May 7, 1977
USE Al Aqueous Carbonate Process

ATOMICS INTERNATIONAL CANOGA PARK PLANT [01]
DA November 17, 1976
BT1 US DOE
BT2 US Organizations
BT3 National Organizations
BT1 US ERDA
BT2 US Organizations
BT3 National Organizations
RT California

Atomics International L-77 Reactor
DA December 1, 1974
USE Al-L-77 Reactor

Atomics International Molten Salt Process
DA October 1, 1975
USE Molten Salt Coal Gasification Process

Atomics International Prototype Fast Reactor
DA December 1, 1974
USE AIPFR Reactor

Atomics International Reduction Oxidation Dry Reprocessing
DA September 26, 1979
USE AIROX Process

ATOMIZATION [01]
DA December 1, 1974
RT Aerosols
RT Droplets
RT Fuel Injection Systems
RT Sprays

ATOMKI [01]
DA April 29, 1986
BT1 Hungarian Organizations
BT2 National Organizations

Atomki Cyclotron
DA July 18, 1985
USE Debrecen Cyclotron

Atomkraftwerk Muehleberg
DA December 1, 1974
USE Muehleberg Reactor

ATOMS [01]
DA December 1, 1974
NT1 Hadronic Atoms
NT2 Mesic Atoms
NT3 Kaonic Atoms
NT3 Pionic Atoms
NT2 Protonium
NT1 Isoelectronic Atoms
NT1 Muonic Atoms
RT Atom Transport
RT Aufbau Principle
RT Fundamental Constants
RT Kihara Potential
RT Matrix Isolation
RT Muonium
RT Positronium
RT Superradiance

Atoomreactor Technische Hogeschool Eindhoven Nederland
DA December 1, 1974
USE Athene Reactor

ATP [01]
DA December 1, 1974
UF *Adenosine Triphosphate*
BT1 Nucleotides
BT2 Organic Compounds
RT Adenines
RT Adenosine
RT ATP-ase
RT Cytriphos

ATP-ASE [01]
(Code numbers 3.6.1.3 and 3.6.1.8.)
DA December 1, 1974
UF *Adenosine Triphosphatase*
BT1 Phosphohydrolases
BT2 Acid Anhydrases
BT3 Hydrolases
BT4 Enzymes
BT5 Proteins
BT6 Organic Compounds
RT ATP

ATPR REACTOR [01]
DA December 1, 1974
UF *TRIGA-Mk-F Prototype Reactor*
SF *TRIGA-Mk-3 Reactor*

BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Pulsed Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 TRIGA Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Hydride Moderated Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Solid Homogeneous Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

ATR REACTOR [01]
DA December 1, 1974
UF *Advanced Test Idaho Reactor*
UF *Idaho Advanced Test Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Materials Testing Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors

ATRC REACTOR [01]
DA December 1, 1974
UF *Advanced Test Reactor Critical Facility*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Experimental Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

ATRIA [01]
DA November 10, 1981
RT Buildings

ATROPA BELLADONNA [01]
DA December 1, 1974
BT1 Magnoliopsida
BT2 Magnoliophyta
BT3 Plants
BT1 Medicinal Plants
BT2 Plants
RT Atropine

ATROPHY [01]
DA December 1, 1974
BT1 Pathological Changes

ATROPINE [01]
DA December 1, 1974
BT1 Alkaloids
BT2 Organic Compounds
BT1 Parasympatholytics
BT2 Autonomic Nervous System Agents
BT3 Drugs
RT Atropa Belladonna

ATS SATELLITES [01]
DA December 1, 1974
BT1 Satellites

ATSR REACTOR [01]
DA December 1, 1974
UF *Argonne Thermal Source Reactor*
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors

ATTACHED GREENHOUSES [01]
DA February 27, 1979
BT1 Greenhouses
BT2 Buildings
RT Passive Solar Heating Systems

ATTAPULGITE [01]
DA July 18, 1979
BT1 Clays
RT Fullers Earth

ATTENUATION [01]
(In classical physics only; for reducing the intensity of waves when passing through matter; see also ABSORPTION.)
DA December 1, 1974
RT Acoustic ESR
RT Acoustic NMR
RT Damping
RT Energy Losses
RT Opacity
RT Transmission

ATTICS [01]
DA March 27, 1979
RT Buildings
DEF The part of a building immediately below the roof and entirely or partly within the roof framing.

ATTITUDE CONTROL
DA July 29, 1975
BT1 Control
RT Satellites
RT Space Vehicles

ATTITUDES [01]
DA April 14, 1980
RT Behavior
RT Human Factors
RT Learning
RT Public Anxiety
RT Public Opinion

Attitudes of the Public
DA March 3, 1978
USE Public Opinion

→**ATTRACTORS [01]**
DA November 14, 1990
RT Phase Space
RT Randomness
RT Turbulence

Atucha-1 Reactor
DA March 29, 1980
USE Atucha Reactor

ATUCHA-2 REACTOR [01]
(Lima, Buenos Aires, Argentina)
DA March 29, 1980
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 PHWR Type Reactors
BT2 Heavy Water Cooled Reactors
BT3 Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT1 Pressure Tube Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

ATUCHA REACTOR [01]
(Lima, Buenos Aires, Argentina)
DA December 1, 1974
UF *Atucha-1 Reactor*
UF *Central Nuclear En Atucha Reactor*
UF *CNA Reactor*
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 PHWR Type Reactors
BT2 Heavy Water Cooled Reactors
BT3 Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

ATWS [01]
(Anticipated transients without scram.)
DA February 20, 1975
BT1 Reactor Accidents
BT2 Accidents
RT Scram
RT Transients

AU SABLE RIVER [01]
DA December 8, 1980
BT1 Rivers
BT2 Streams
BT3 Surface Waters
RT Hydroelectric Power Plants
RT Michigan

→**AUBE PLANT [01]**
DA November 20, 1992
BT1 Radioactive Waste Facilities
BT2 Nuclear Facilities

AUC [01]
DA November 23, 1979
UF *Ammonium Uranyl Carbonates*
BT1 Ammonium Carbonates
BT2 Ammonium Compounds
BT2 Carbonates
BT3 Carbon Compounds
BT3 Oxygen Compounds
BT1 Uranyl Compounds
BT2 Uranium Compounds
BT3 Actinide Compounds

AUDITORY ORGANS [01]
DA December 1, 1974
UF *Ears*
UF+ *Labyrinth*
BT1 Sense Organs
BT2 Organs
BT3 Body
RT Vestibular Apparatus

AUDITS [01]
DA November 23, 1979
NT1 Compliance Audits
NT1 Energy Audits
RT Accounting
RT Debt Collection
RT Evaluation
RT Inspection
RT Licensing
RT Management
RT Quality Assurance
RT US DOE Inspector General
RT Verification

AUFBAU PRINCIPLE [01]
DA December 1, 1974
UF *Aufbauprinzip*
RT Atoms
RT Electronic Structure

Aufbauprinzip
DA December 1, 1974
USE Aufbau Principle

AUFWUCHS [01]
DA April 12, 1977
UF *Periphyton*
BT1 Aquatic Organisms
DEF Organisms attached to or moving upon a submerged substrate.

AUGER EFFECT [01]
(Includes all particles, processes, and spectra associated with the AUGER EFFECT.)
DA December 1, 1974
NT1 Coster-Kronig Transitions
RT Auger Electron Spectroscopy
RT Autoionization
RT Electron Emission
RT Energy-Level Transitions
RT Inner-Shell Ionization

AUGER ELECTRON SPECTROSCOPY [01]
DA December 1, 1974
BT1 Electron Spectroscopy
BT2 Spectroscopy
RT Auger Effect

AUGER MINING
DA March 8, 1977
BT1 Mining
RT Hydraulic Mining
RT Mining Engineering
RT Mining Equipment
RT Surface Mining

AUGMENTATION [01]
(Methods for increasing, making more numerous, larger, or more intense, e.g., methods for augmentation of heat transfer.)
DA July 18, 1979
UF *Increasing*
RT Expansion
RT Growth

AURABON PROCESS
DA May 12, 1982
BT1 Refining
BT2 Processing
RT Catalytic Cracking
RT Hydrocracking
RT Hydrogenation
DEF Process for the catalytic conversion of heavy crudes and tars containing large quantities of asphaltenes and metals.

AURATES [01]
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
DA December 1, 1974
BT1 Gold Compounds
BT2 Transition Element Compounds
BT1 Oxygen Compounds
RT Gold Oxides

AURIN [01]
DA December 1, 1974
BT1 Polyphenols
BT2 Phenols
BT3 Aromatics
BT4 Organic Compounds
BT3 Hydroxy Compounds
BT4 Organic Compounds
BT1 Triphenylmethane Dyes
BT2 Dyes

Aurintricarboxylic Acid
DA December 1, 1974
USE Aluminon

AURORA FACILITY [01]
DA September 24, 1985
RT Inertial Confinement
RT Krypton Fluoride Lasers
RT LANL
RT Laser Fusion Reactors

AURORAE [01]
DA December 1, 1974
NT1 Midday Aurorae
NT1 Polar-Cap Aurorae
RT Airglow
RT Auroral Oval
RT Auroral Zones
RT Charged-Particle Precipitation
RT Electron Precipitation
RT Harang Discontinuity
RT Night Sky
RT Proton Precipitation
RT Trapped Protons

Auroral Electrojets
DA December 1, 1974
USE Electrojets

AURORAL HISS [01]
DA December 1, 1974
BT1 Electromagnetic Radiation
BT2 Radiations
RT Ionosphere
RT Whistlers

AURORAL OVAL [01]
DA December 1, 1974
NT1 Harang Discontinuity
RT Aurorae
RT Auroral Zones
RT Charged-Particle Precipitation
RT Electron Precipitation
RT Ionosphere
RT Midday Aurorae
RT Polar-Cap Aurorae
RT Polar Cusp
RT Proton Precipitation

Auroral Substorms
DA December 1, 1974
USE Magnetic Bays

AURORAL ZONES [01]
DA December 1, 1974
UF *Zones (Auroral)*
RT Antarctic Regions
RT Arctic Regions
RT Aurorae
RT Auroral Oval
RT Ionosphere
RT Midday Aurorae
RT Polar-Cap Aurorae

AUSTENITE [01]
DA December 1, 1974
BT1 Carbon Additions
BT2 Alloys
BT1 Iron Alloys
BT2 Alloys
RT Alloy-N28T3
RT Austenitic Steels
RT Decarburization
RT Iron-Gamma
RT Martensite
RT Solid Solutions
RT Steel-X6CrNi1811
DEF A solid solution of carbon in gamma-iron.

AUSTENITIC STEELS [01]
(Prior to February, 1978 STEELS and AUSTENITE were used to index this concept.)
DA February 14, 1978
BT1 Steels
BT2 Iron Base Alloys
BT3 Iron Alloys
BT4 Alloys
NT1 Steel-Cr13Mn8Ni8
NT1 Steel-Cr13Ni6Mo-L
NT1 Steel-Cr15Ni15MoTiB
NT1 Steel-Cr16Ni8Mo2
NT1 Steel-Cr16Ni13MoNbV
NT1 Steel-Cr16Ni15Mo3Nb
NT1 Steel-Cr16Ni16MoNb
NT1 Steel-Cr17Mn15NNi
NT2 Tenelon
NT1 Steel-Cr17Ni7
NT2 Stainless Steel-301
NT1 Steel-Cr17Ni12Mo3
NT2 Stainless Steel-316
NT1 Steel-Cr17Ni12Mo3-L
NT2 Stainless Steel-316L
NT1 Steel-Cr17Ni12MoNb
NT1 Steel-Cr17Ni13
NT1 Steel-Cr17Ni13Mo2Ti
NT1 Steel-Cr17Ni13Mo3Ti
NT1 Steel-Cr18Ni8
NT2 Stainless Steel-18-8
NT1 Steel-Cr18Ni9
NT2 Stainless Steel-302
NT1 Steel-Cr18Ni9Ti
NT1 Steel-Cr18Ni10
NT2 Stainless Steel-18-10
NT1 Steel-Cr18Ni10-L
NT2 Stainless Steel-Z2CN18-10
NT1 Steel-Cr18Ni10Ti
NT2 Stainless Steel-321
NT1 Steel-Cr18Ni11
NT2 Steel-X6CrNi1811
NT1 Steel-Cr18Ni11Nb
NT2 Stainless Steel-347
NT1 Steel-Cr18Ni11NbCo
NT2 Stainless Steel-348
NT1 Steel-Cr18Ni12
NT2 Stainless Steel-305
NT1 St[illegible]l-Cr18Ni12Ti
NT1 Steel-Cr19Ni10
NT2 Stainless Steel-304
NT1 Steel-Cr19Ni10-L
NT2 Stainless Steel-304L
NT1 Steel-Cr20Ni11
NT2 Stainless Steel-308
NT1 Steel-Cr20Ni11-L
NT2 Stainless Steel-308L
NT1 Steel-Cr21Mn9Ni6
NT2 Stainless Steel-21-6-9
NT1 Steel-Cr23Ni14
NT2 Stainless Steel-309
NT2 Stainless Steel-309S
NT1 Steel-Cr23Ni18
NT1 Steel-Cr25Ni20
NT2 Alloy-HK-40
NT2 Stainless Steel-310
NT1 Steel-Ni17Cr14MoTi-L
NT1 Steel-Ni25Cr20
NT2 Stainless Steel-20-25
NT1 Steel-Ni26Cr15Ti2MoVAlB
NT2 Alloy-A-286
NT1 Steel-Ni36Cr18
NT2 Stainless Steel-330
RT Austenite
RT Corrosion Resistant Alloys
RT Heat Resisting Alloys
DEF Steels having at room temperature a microstructure consisting, at least predominantly, of autenite. Their austenitic microstructure is attained above all by alloying conditions, e.g., Mn for Ni.

AUSTRALASIA [01]
DA December 1, 1974
NT1 Australia
NT2 New South Wales
NT2 Northern Territory
NT2 Queensland
NT2 South Australia
NT2 Tasmania
NT2 Victoria
NT2 Western Australia
NT1 New Guinea
NT2 Papua New Guinea
NT1 New Zealand

AUSTRALIA [01]
DA December 1, 1974
BT1 Australasia
BT1 Developed Countries
NT1 New South Wales
NT1 Northern Territory
NT1 Queensland
NT1 South Australia
NT1 Tasmania
NT1 Victoria
NT1 Western Australia
RT Bass Strait
RT Mary Kathleen Mines
RT OECD
RT Tasman Sea

Australian Atomic Energy Commission
DA April 28, 1978
USE AAEC

Australian MOATA Reactor
DA December 1, 1974
USE MOATA Reactor

AUSTRALIAN ORGANIZATIONS [01]
DA May 7, 1977
BT1 National Organizations
NT1 ANSTO
NT2 AAEC

Australites
DA December 1, 1974
USE Tektites

AUSTRIA [01]
DA December 1, 1974
BT1 Developed Countries
BT1 Western Europe
BT2 Europe
RT Alps
RT Danube River
RT IAEA
RT OECD
RT Rhine River
RT UNIDO

AUSTRIAN ORGANIZATIONS [01]
DA January 9, 1981
BT1 National Organizations
NT1 Seibersdorf Research Centre

Austrian Research Reactor
DA December 1, 1974
USE ASTRA Reactor

Austrian TRIGA-Mark-II Reactor
DA December 1, 1974
USE TRIGA-2-Vienna Reactor

AUTOCLAVES [01]
DA December 1, 1974
RT Laboratory Equipment
RT Pressure Vessels

AUTOHYDROLYSIS
DA October 10, 1984
UF *Steam Explosion Process*
BT1 Heat Treatments
BT1 Hydrolysis
BT2 Lysis
BT2 Solvolysis
BT3 Decomposition
BT4 Chemical Reactions
RT Biomass
DEF The use of heat or steam in the pretreatment of biomass to enhance subsequent conversion processes.

AUTOIONIZATION [01]
DA December 1, 1974
BT1 Ionization
RT Auger Effect
RT Inner-Shell Ionization

AUTOLYSIS [01]
DA December 1, 1974
BT1 Decomposition
BT2 Chemical Reactions
NT1 Autoradiolysis
RT Enzymes

AUTOMATION [01]
DA December 1, 1974
RT Computer-Aided Manufacturing
RT Distance
RT Man-Machine Systems
RT Reactor Control Systems
RT Remote Handling
RT Work

Automobile Efficiency Standards
DA March 28, 1979
USE Automobiles
AND Efficiency
AND Standards

Automobile Exhaust Reactors
DA November 11, 1975
USE Afterburners

Automobile Industry
DA June 21, 1977
USE Automotive Industry

AUTOMOBILES [01]
DA January 20, 1975
UF+ *Automobile Efficiency Standards*
BT1 Vehicles
RT Afterburners
RT Automotive Accessories
RT Carpooling
RT Catalytic Converters
RT Exhaust Gases
RT Exhaust Recirculation Systems
RT Ignition Systems
RT Mechanical Transmissions
RT Motor Vehicle Operators
RT Occupants
RT PCV Systems
RT Rankine Cycle Engines
RT Road Tests
RT Spark Ignition Engines
RT Stratified Charge Engines
RT Taxicabs
RT Trailers
RT Vans

AUTOMOTIVE ACCESSORIES
DA September 22, 1981
RT Air Conditioning
RT Alternators
RT Automobiles
RT Blowers
RT Pumps

AUTOMOTIVE FUELS [01]
DA January 20, 1975
BT1 Fuels
RT Alcohol Fuels
RT Carburetors
RT Ethanol Fuels
RT Fuel Consumption
RT Gasohol
RT Gasoline
RT Gasoline Service Stations
RT Hydrogen Fuels
RT Kerosene
RT Knock Control
RT Liquid Fuels
RT Methanol Fuels

AUTOMOTIVE INDUSTRY [01]
DA May 6, 1980
UF *Automobile Industry*
BT1 Industry
RT AAPS

AUTONOMIC NERVOUS SYSTEM [01]
DA December 1, 1974
UF *Parasympathetic Nervous System*
UF *Sympathetic Nervous System*
UF+ *Sympathectomy*
BT1 Nervous System
NT1 Vagus
RT Autonomic Nervous System Agents
RT Ganglions
RT Hypothalamus
RT Radiation Syndrome

AUTONOMIC NERVOUS SYSTEM AGENTS [01]
DA April 20, 1981
BT1 Drugs
NT1 Neuroregulators
NT2 Acetylcholine
NT2 Adrenaline
NT2 Aminobutyric Acid
NT2 DOPA
NT2 Dopamine
NT2 Endorphins
NT3 Enkephalins
NT2 Noradrenaline
NT2 Serotonin
NT3 Bufotenine
NT1 Parasympatholytics
NT2 Atropine
NT2 Nicotine
NT1 Parasympathomimetics
NT2 Acetylcholine
NT2 Eserine
NT2 Nicotine
NT2 Pilocarpine
NT1 Spiperone
NT1 Sympatholytics
NT2 Ergotamine
NT2 Reserpine
NT1 Sympathomimetics
NT2 Adrenaline
NT2 Amphetamines
NT2 Benzedrine
NT2 Dopamine
NT2 Ephedrine
NT2 Noradrenaline
NT2 Serotonin
NT3 Bufotenine
NT2 Tyramine
RT Autonomic Nervous System

AUTOPSY [01]
DA December 1, 1974
BT1 Diagnostic Techniques
RT Biopsy
RT Pathology

Autoradiographs
DA December 1, 1974
USE Images

AUTORADIOGRAPHY [01]
DA December 1, 1974
UF *Radioautography*
UF *Radiography (Auto)*
RT Ceramography
RT Diagnostic Techniques
RT Industrial Radiography
RT Labelled Compounds
RT Nondestructive Testing
RT Nuclear Emulsions
RT Tracer Techniques

AUTORADIOLYSIS [01]
DA December 1, 1974
BT1 Autolysis
BT2 Decomposition
BT3 Chemical Reactions
BT1 Radiolysis
BT2 Chemical Radiation Effects
BT3 Radiation Effects
BT2 Decomposition
BT3 Chemical Reactions
RT Labelled Compounds
RT Self-Irradiation

AUTOTHERMAL REFORMER PROCESSES
DA March 17, 1981
UF *Adiabatic Reformer Processes*
BT1 Reformer Processes
BT2 Chemical Reactions
RT Hydrogen Production
RT Partial Oxidation Processes
DEF Air, steam, and hydrocarbon fuel are fed into a furnace and partial oxidation of the hydrocarbon provides the heat for steam reforming of the hydrocarbon.

AUTOTROPHS
DA March 27, 1979
RT Microorganisms
RT Single Cell Protein
RT Synthetic Fuels
DEF Organisms capable of synthesizing organic nutrients directly from simple inorganic substances such as carbon dioxide and inorganic nitrogen.

AUTUNITE [01]
DA December 1, 1974
BT1 Phosphate Minerals
BT2 Minerals
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials

AUXILIARY HEATING [01]
DA October 1, 1975
BT1 Space Heating
BT2 Heating

AUXILIARY SYSTEMS [01]
DA January 30, 1975
NT1 Auxiliary Water Systems
NT2 Condenser Cooling Systems
RT Remote Handling Equipment

AUXILIARY WATER SYSTEMS [01]
DA January 30, 1975
UF *Component Cooling Systems*
UF *Refueling Water Systems*
UF *Service Water Systems*
BT1 Auxiliary Systems
NT1 Condenser Cooling Systems
RT Coolant Loops
RT Discharge Canals
RT Drinking Water
RT Feedwater
RT Intake Canals
DEF All water systems in nuclear reactors, except primary and secondary coolant circuits, such as pump cooling systems, service water, etc.

AUXINS [01]
DA December 1, 1974
BT1 Plant Growth Regulators
NT1 Abscisic Acid
RT Gibberellic Acid

AVAILABILITY [01]
DA December 1, 1974
RT Allocations
RT Demand
RT Domestic Supplies
RT Economics
RT Energy Sources
RT Geologic Deposits
RT Inventories
RT Ore Composition
RT Production
RT Shortages

Avalanche Multiplication
DA August 6, 1982
USE Townsend Discharge

AVALANCHE QUENCHING [01]
DA January 28, 1975
UF *Quenching (Avalanche)*
RT Geiger-Mueller Counters
RT Ionization Chambers
RT Proportional Counters
RT Townsend Discharge

Avena
DA December 1, 1974
USE Oats

Average Magnetic Well
DA December 1, 1974
USE Minimum Average-B Configurations

AVG Process
DA January 24, 1975
USE Coal Gasification

AVIATION FUELS
DA January 20, 1975
UF *Aircraft Fuels*
BT1 Fuels
RT Hydrogen Fuels
RT Jet Engine Fuels

AVIATION PERSONNEL [01]
DA December 1, 1974
BT1 Personnel
BT2 Man
BT3 Primates
BT4 Mammals
BT5 Vertebrates
BT6 Animals
RT Astronauts
RT Military Personnel

AVOCADOS [01]
DA January 20, 1975
BT1 Fruits
BT2 Food
RT Fruit Trees

AVOGADRO RS-1 REACTOR [01]
DA December 1, 1974
UF *ARSI Reactor*
UF *RSI Avogadro Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

AVOIDANCE [01]
DA December 1, 1974
BT1 Behavior
RT Conditioned Reflexes

AVR REACTOR [01]
(Juelich, Federal Republic of Germany)
DA December 1, 1974
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Helium Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 HTGR Type Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT2 Graphite Moderated Reactors
BT3 Reactors
BT1 Pebble Bed Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT2 Solid Homogeneous Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Thorium Reactors
BT2 Reactors

AWARDS [01]
DA January 27, 1981
NT1 Enrico Fermi Award
NT1 Ernest Orlando Lawrence Award

AWAY-FROM-REACTOR STORAGE [01]
DA May 2, 1979
UF *AFR Storage*
BT1 Spent Fuel Storage
BT2 Storage
RT After-Heat
RT Dry Storage
RT Fuel Pools
RT Fuel Storage Pools
RT Waste Transportation

Axerophtol
DA December 1, 1974
USE Vitamin A

AXIAL RATIO [01]
DA December 1, 1974
RT Crystal Structure

AXIAL SYMMETRY [01]
DA December 1, 1974
BT1 Symmetry
RT Kerr Field
RT Rotational Invariance

AXIAL-VECTOR CURRENTS [01]
DA December 1, 1974
BT1 Algebraic Currents
BT2 Currents
RT PCAC Theory
RT V-A Theory
RT Vector Currents

AXIAL VECTOR MESONS [01]
DA January 25, 1988
UF *Pseudovector Mesons*
BT1 Mesons
BT2 Bosons
BT2 Hadrons
BT3 Elementary Particles
NT1 A1-1270 Mesons
NT1 B1-1235 Mesons
NT1 Chi1-3510 Mesons
NT1 F1-1285 Mesons
NT1 F1-1420 Mesons
NT1 F1-1530 Mesons
NT1 H1-1190 Mesons
NT1 K1-1280 Mesons
NT1 K1-1400 Mesons
DEF Mesons with spin and parity 1+.

AXIOMATIC FIELD THEORY [01]
DA March 8, 1978
UF *Axiomatic S-Matrix Theory*
UF *General Quantum Field Theory*
UF *Non Lagrangian Quantum Field Theory*
BT1 Quantum Field Theory
BT2 Field Theories
NT1 Algebraic Field Theory
NT1 LSZ Theory
NT1 Wightman Field Theory

Axiomatic S-Matrix Theory
DA March 8, 1978
USE Axiomatic Field Theory

AXIONS [01]
DA October 19, 1978
BT1 Goldstone Bosons
BT2 Bosons
BT2 Postulated Particles
BT3 Elementary Particles

AXOLOTL [01]
DA December 1, 1974
UF *Siredon*
BT1 Salamanders
BT2 Amphibians
BT3 Aquatic Organisms
BT3 Vertebrates
BT4 Animals
RT Larvae

Axons
DA December 1, 1974
USE Nerve Cells

AZAARENES
DA February 9, 1983
UF *Polycyclic Nitrogen Heterocycles*
BT1 Aromatics
BT2 Organic Compounds
BT1 Heterocyclic Compounds
BT2 Organic Compounds
BT1 Organic Nitrogen Compounds
BT2 Organic Compounds
NT1 Acridines
NT2 Acridine Orange
NT2 Acridones
NT2 Flavines
NT3 Acriflavine
NT3 Proflavine
NT1 Carbazoles
NT1 Indoles
NT2 Indigo
NT2 Indocyanine Green
NT2 Lysergic Acid
NT2 Reserpine
NT2 Strychnine
NT2 Tryptamines
NT3 Melatonin
NT3 Serotonin
NT4 Bufotenine
NT2 Tryptophan
NT2 Vinblastine
NT1 Phenanthrolines
NT2 Ferroin
NT2 Phenanthroline-Ortho
NT1 Pteridines
NT2 Aminopterin
NT2 Folic Acid
NT1 Purines

NT2 Adenines
NT3 Kinetin
NT2 Guanine
NT2 Guanosine
NT2 Hypoxanthine
NT2 Inosine
NT2 Mercaptopurine
NT2 Xanthines
NT3 Caffeine
NT3 Theobromine
NT3 Theophylline
NT3 Uric Acid
NT1 Quinolines
NT2 Ferron
NT2 Kynurenic Acid
NT2 Oxine
NT2 Quinaldine
RT Polycyclic Aromatic Hydrocarbons

AZAGUANINE
DA April 20, 1981
BT1 Antimetabolites
BT2 Drugs

AZBEL-KANER RESONANCE [01]
DA December 1, 1974
BT1 Cyclotron Resonance
BT2 Resonance
RT Metals
DEF A type of cyclotron resonance in high-purity metals at liquid helium temperature.

AZEOTROPE [01]
DA December 1, 1974
RT Boiling Points
RT Distillation

AZERBAIJAN [01]
(Prior to April 1993, this was indexed by USSR.)
DA April 8, 1993
BT1 Eastern Europe
BT2 Europe

AZIDES [01]
(For inorganic compounds only. For organic azides, use AZIDO COMPOUNDS.)
DA December 1, 1974
BT1 Nitrogen Compounds
RT Azido Compounds
RT Hydrazoic Acid

AZIDO COMPOUNDS [01]
DA December 1, 1974
BT1 Organic Nitrogen Compounds
BT2 Organic Compounds
RT Azides

AZIMUTH
DA December 16, 1975
RT Altitude
RT Sun Charts

Azimuthal Pinch Devices (Linear)
DA December 1, 1974
USE Linear Theta Pinch Devices

AZINES [01]
DA December 1, 1974
BT1 Heterocyclic Compounds
BT2 Organic Compounds
BT1 Organic Nitrogen Compounds
BT2 Organic Compounds
NT1 Phenothiazines
NT2 Chlorpromazine
NT2 Methylene Blue
NT1 Pyrazines
NT2 Neutral Red
NT2 Phenazine
NT2 Piperazines
NT1 Pyridazines
NT2 Phthalazines
NT3 Luminol
NT1 Pyridines
NT2 Acridines
NT3 Acridine Orange
NT3 Acridones
NT3 Flavines
NT4 Acriflavine
NT4 Proflavine
NT2 Bipyridines
NT2 Diodrast
NT2 Nicotinamide
NT2 Nicotine
NT2 Nicotinic Acid
NT2 PAN
NT2 Phenatine
NT2 Picolines
NT3 Picolinic Acid
NT2 Piperidines
NT3 Dipyridamole
NT3 Pethidine
NT3 Triacetoneamine-N-Oxyl
NT2 Pyridine
NT2 Pyridinium Compounds
NT2 Pyridoxal
NT2 Pyridoxine
NT2 Pyridoxylideneglutamate
NT2 Pyridylazoresorcinol
NT2 Quinolines
NT3 Ferron
NT3 Kynurenic Acid
NT3 Oxine
NT3 Quinaldine
NT1 Pyrimidines
NT2 Alloxan
NT2 Barbiturates
NT3 Amytal
NT3 Nembutal
NT3 Phenobarbital
NT3 Thiopental
NT2 Cytidine
NT2 Cytosine
NT2 Deoxycytidine
NT2 Murexide
NT2 Sulfadiazine
NT2 Thiamine
NT2 Thymidine
NT2 Uracils
NT3 Bromouracils
NT4 BUDR
NT3 Chlorouracils
NT3 Deoxyuridine
NT3 Fluorouracils
NT4 FUDR
NT3 Iodouracils
NT4 Iododeoxyuridine
NT3 Orotic Acid
NT3 Thiouracil
NT3 Thymine
NT3 Uridine
NT1 Triazines
NT2 Cyanurates
NT2 Melamine
DEF Compounds that contain a six-membered heterocyclic ring containing one or more nitrogen atoms.

AZO COMPOUNDS [01]
DA December 1, 1974
BT1 Organic Nitrogen Compounds
BT2 Organic Compounds
NT1 Arsenazo
NT1 Azo Dyes
NT2 Acid Chrome Dyes
NT2 Beryllon
NT2 Congo Red
NT2 Eriochrome Dyes
NT2 Erioglaucine
NT2 Evans Blue
NT2 Methyl Orange
NT2 Methyl Red
NT2 Toluidine Blue
NT2 Trypan Blue
NT1 Cycasin

AZO DYES [01]
DA December 1, 1974
BT1 Azo Compounds
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
BT1 Dyes
NT1 Acid Chrome Dyes
NT1 Beryllon
NT1 Congo Red
NT1 Eriochrome Dyes
NT1 Erioglaucine
NT1 Evans Blue
NT1 Methyl Orange
NT1 Methyl Red
NT1 Toluidine Blue
NT1 Trypan Blue
RT Diazo Compounds

AZOLES [01]
DA December 1, 1974
BT1 Heterocyclic Compounds
BT2 Organic Compounds
BT1 Organic Nitrogen Compounds
BT2 Organic Compounds
NT1 Carbazoles
* NT1 Imidazoles
NT1 Oxadiazoles
NT1 Oxazoles
NT2 Benzoxazoles
NT2 Pemoline
NT2 POPOP
NT1 Pyrazoles
NT2 Indazoles
NT2 Pyrazolines
NT3 Antipyrine
NT1 Pyrroles
NT2 Bilirubin
NT2 Biliverdin
NT2 Indoles
NT3 Indigo
NT3 Indocyanine Green
NT3 Lysergic Acid
NT3 Reserpine
NT3 Strychnine
NT3 Tryptamines
NT4 Melatonin
NT4 Serotonin
NT5 Bufotenine
NT3 Tryptophan
NT3 Vinblastine
NT2 Pyrrolidines
NT3 Hydroxyproline
NT3 Nicotine
NT3 Proline
NT2 Pyrrolidones
NT3 PVP
NT2 Stercobilin
NT2 Urobilinogen
NT1 Tetrazoles
NT2 Tetrazolium
NT1 Thiadiazoles
NT1 Thiazoles
NT2 Benzothiazoles
NT2 Saccharin
NT2 Thiamine
NT1 Triazoles
DEF Compounds that contain a five-membered heterocyclic ring containing one or more nitrogen atoms.

Azomide
DA July 15, 1988
USE Hydrazoic Acid

AZORES ISLANDS
DA April 8, 1975
BT1 Islands
BT1 Portugal
BT2 Developing Countries
BT2 Western Europe
BT3 Europe

AZOTOBACTER [01]
DA December 1, 1974
BT1 Bacteria
BT2 Microorganisms

AZULENE [01]
DA December 1, 1974
BT1 Hydrocarbons
BT2 Organic Compounds

B1-1235 MESONS [01]
(Prior to January 1988 this concept was indexed by B-1235 RESONANCES.)
DA January 28, 1988
UF *B-1235 Resonances*
BT1 Axial Vector Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

B-1235 Resonances
(Prior to January 1988 this was a valid descriptor.)

DA December 1, 1974
USE B1-1235 Mesons

B'-5325 MESONS [01]
DA February 2, 1988
BT1 Beauty Mesons
BT2 Beauty Particles
BT3 Elementary Particles
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

B CENTERS
DA February 6, 1975
BT1 Color Centers
BT2 Vacancies
BT3 Point Defects
BT4 Crystal Defects
BT5 Crystal Structure

B CODES [01]
DA December 1, 1974
BT1 Computer Codes

B MESONS [01]
DA June 29, 1984
BT1 Beauty Particles
BT2 Elementary Particles
BT1 Pseudoscalar Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles
NT1 B Minus Mesons
NT1 B Neutral Mesons
NT2 Anti-B Neutral Mesons
NT1 B Plus Mesons

B MINUS MESONS [01]
DA February 19, 1988
BT1 B Mesons
BT2 Beauty Particles
BT3 Elementary Particles
BT2 Pseudoscalar Mesons
BT3 Mesons
BT4 Bosons
BT4 Hadrons
BT5 Elementary Particles

B NEUTRAL MESONS [01]
DA February 19, 1988
BT1 B Mesons
BT2 Beauty Particles
BT3 Elementary Particles
BT2 Pseudoscalar Mesons
BT3 Mesons
BT4 Bosons
BT4 Hadrons
BT5 Elementary Particles
NT1 Anti-B Neutral Mesons

B PLUS MESONS [01]
DA February 19, 1988
BT1 B Mesons
BT2 Beauty Particles
BT3 Elementary Particles
BT2 Pseudoscalar Mesons
BT3 Mesons
BT4 Bosons
BT4 Hadrons
BT5 Elementary Particles

BABCOCK AND WILCOX-DUPONT PROCESS [01]
DA May 7, 1977
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes
RT Entrainment
DEF Entrained oxygen-blown coal gasification system, utilizing a design to remove bulk of slag from ash and to cool remainder by passage through a water-wall chamber above the coal feed point, is capable of operation at elevated pressures and designed to tolerate molten coal ash.

Babcock And Wilcox LPR Reactor
DA December 1, 1974
USE LPR Reactor

Babcock And Wilcox Standard Reactor
DA February 13, 1975
USE BW Standard Reactor

Babcock And Wilcox Test Reactor
DA December 1, 1974
USE BAWTR Reactor

BABESIDAE [01]
DA December 1, 1974
BT1 Sporozoa
BT2 Protozoa
BT3 Invertebrates
BT4 Animals
BT3 Microorganisms
RT Erythrocytes
RT Parasites

BABOONS [01]
DA December 1, 1974
BT1 Monkeys
BT2 Primates
BT3 Mammals
BT4 Vertebrates
BT5 Animals

BACA GEOTHERMAL FIELD
DA January 9, 1981
BT1 Geothermal Fields
RT Geothermal Hot-Water Systems
RT New Mexico

BACH-TAMAID THEORY [01]
DA December 1, 1974
RT Particle Structure

BACILLUS [01]
DA December 1, 1974
BT1 Bacteria
BT2 Microorganisms
NT1 Bacillus Cereus
NT1 Bacillus Licheniformis
NT1 Bacillus Megaterium
NT1 Bacillus Subtilis
NT1 Ferrobacillus Ferrooxidans
NT1 Thiobacillus Ferroxidans
NT1 Thiobacillus Oxidans

BACILLUS CEREUS [01]
DA December 1, 1974
BT1 Bacillus
BT2 Bacteria
BT3 Microorganisms

BACILLUS LICHENIFORMIS [01]
DA January 14, 1986
BT1 Bacillus
BT2 Bacteria
BT3 Microorganisms
RT Microbial EOR

BACILLUS MEGATERIUM [01]
DA December 1, 1974
BT1 Bacillus
BT2 Bacteria
BT3 Microorganisms

BACILLUS SUBTILIS [01]
DA December 1, 1974
BT1 Bacillus
BT2 Bacteria
BT3 Microorganisms

BACK CONTACT SOLAR CELLS [01]
DA June 6, 1980
BT1 Solar Cells
BT2 Photovoltaic Cells
BT3 Photoelectric Cells
BT4 Direct Energy Converters
BT2 Solar Equipment
BT3 Equipment

BACKBENDING [01]
DA April 12, 1977
RT Angular Momentum
RT Coriolis Force
RT Deformed Nuclei
RT High Spin States
RT Moment of Inertia
RT Nuclear Structure
RT Rotation
RT Rotational States
RT VMI Model
RT Yrast States
DEF The sudden increase of the moment of inertia of deformed nuclei at a critical angular momentum.

BACKFILLING [01]
DA February 19, 1976
RT Coal Mines
RT Land Reclamation
RT Mines
RT Stowing
RT Underground Disposal
RT Waste-Rock Interactions

BACKGROUND NOISE [01]
DA December 1, 1974
BT1 Noise
RT Radio Noise

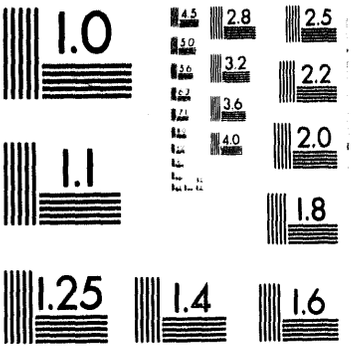
BACKGROUND RADIATION [01]
DA December 1, 1974
UF *Terrestrial Background*
BT1 Radiations
RT Cosmic Radiation
RT Natural Radioactivity
RT Relict Radiation

BACKSCATTERING [01]
DA December 1, 1974
BT1 Scattering
RT Albedo-Neutron Dosemeters
RT Angular Distribution
RT Reflection

BACKWARD WAVE TUBES [01]
DA December 1, 1974
BT1 Microwave Tubes
BT2 Electron Tubes
BT2 Microwave Equipment
BT3 Electronic Equipment
BT4 Equipment

Bacon
DA December 1, 1974
USE Meat

BACTERIA [01]
DA December 1, 1974
UF *Cells (Bacterial)*
BT1 Microorganisms
NT1 Actinomyces
NT2 Frankia
NT1 Aerobacter
NT1 Aeromonas
NT1 Azotobacter
NT1 Bacillus
NT2 Bacillus Cereus
NT2 Bacillus Licheniformis
NT2 Bacillus Megaterium
NT2 Bacillus Subtilis
NT2 Ferrobacillus Ferrooxidans
NT2 Thiobacillus Ferroxidans
NT2 Thiobacillus Oxidans
NT1 Brucella
NT1 Clostridium
NT2 Clostridium Acetobutylicum
NT2 Clostridium Botulinum
NT2 Clostridium Butyricum
NT2 Clostridium Perfringens
NT2 Clostridium Thermocellum
NT2 Clostridium Thermosaccharolyticum
NT1 Coliforms
NT1 Corynebacterium Fascians
NT1 Corynebacterium Parvum
NT1 Escherichia Coli
NT1 Haemophilus
NT1 Klebsiella
NT1 Lactobacillus
NT1 Legionella Anisa
NT1 Legionella Pneumophila
NT1 Meningococcus
NT1 Methanogenic Bacteria
NT2 Clostridium Acetobutylicum
NT1 Methanotrophic Bacteria
NT1 Micrococcus
NT2 Micrococcus Luteus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NT2 Micrococcus Lysodeicticus
NT2 Micrococcus Radiodurans
NT1 Mycobacterium
NT2 Mycobacterium Tuberculosis
NT1 Nocardia
NT1 Photosynthetic Bacteria
NT1 Pneumococcus
NT1 Proteus
NT1 Pseudomonas
NT1 Rhizobium
NT1 Rhodopseudomonas
NT1 Rhodospirillum
NT1 Salmonella
NT2 Salmonella Typhimurium
NT1 Serratia
NT1 Shigella
NT1 Spirochaetes
NT1 Staphylococcus
NT1 Streptococcus
NT1 Streptomyces
NT1 Sulfate-Reducing Bacteria
NT2 Desulfovibrio
NT1 Sulfur-Oxidizing Bacteria
NT2 Rhodococcus
NT2 Thiobacillus Ferroxidans
NT2 Thiobacillus Oxidans
NT1 Thermoactinomyces
NT1 Zymomonas Mobilis
RT Bacterial Diseases
RT Bacterial Spores
RT Bacteriophages
RT Disinfectants
RT Endotoxins
RT Germ-Free Animals
RT Germicides
RT Host-Cell Reactivation
RT Infectivity
RT Mycoplasma
RT Nitrogen Fixation
RT Plankton
RT Toxins
RT Vaccines

BACTERIAL DISEASES [01]
DA January 12, 1981
BT1 Infectious Diseases
BT2 Diseases
NT1 Cholera
NT1 Diphtheria
NT1 Gonorrhea
NT1 Leprosy
NT1 Paratyphoid
NT1 Syphilis
NT1 Tetanus
NT1 Tuberculosis
NT1 Typhoid
RT Antibiotics
RT Bacteria
RT Host
RT Legionella Anisa
RT Legionella Pneumophila
RT Pathogens

BACTERIAL SPORES [01]
DA December 1, 1974
BT1 Spores
RT Bacteria
RT Preservation
RT Sterilization

Bactericides
DA March 4, 1980
USE Germicides

BACTERIOPHAGES [01]
DA December 1, 1974
UF *Phages*
BT1 Viruses
BT2 Microorganisms
BT2 Parasites
RT Bacteria
RT Cosmids
RT Host-Cell Reactivation
RT Plaque Formation

BADDELEYITE [01]
DA December 1, 1974
BT1 Oxide Minerals
BT2 Minerals
BT1 Radioactive Minerals
BT2 Minerals
BT2 Radioactive Materials
BT3 Materials
RT Caldasite
RT Hafnium Oxides
RT Zirconium Oxides

BAECKLUND TRANSFORMATION [01]
DA May 23, 1980
BT1 Transformations
RT Nonlinear Problems
RT Solitons

Baer Walls
DA February 27, 1979
USE Drum Walls

BAFFLED TUBES [01]
DA December 1, 1974
BT1 Tubes
RT Baffles

BAFFLES [01]
DA November 17, 1976
BT1 Flow Regulators
BT2 Control Equipment
BT3 Equipment
RT Baffled Tubes
RT Diffusers
RT Fluid Flow
DEF A plate that regulates the flow of a fluid, e.g., a heat exchanger, boiler flue, or automotive muffler.

BAG MODEL [01]
DA November 28, 1975
UF *Quark Confinement*
BT1 Extended Particle Model
BT2 Particle Models
BT3 Mathematical Models
BT1 Quark Model
BT2 Composite Models
BT3 Particle Models
BT4 Mathematical Models
RT Quantum Chromodynamics
DEF A relativistic particle model in which some hadronic fields are confined within a finite region of space by the action of a uniform phenomenological external pressure.

BAGASSE
DA January 23, 1976
BT1 Agricultural Wastes
BT2 Organic Wastes
BT3 Wastes
RT Cellulose

BAGHOUSES [01]
DA March 3, 1978
BT1 Pollution Control Equipment
BT2 Equipment
RT Air Pollution Control
RT Fabric Filters
DEF A structure for holding bag filters for removing suspended dusts and fumes from airstreams.

BAHAMA ISLANDS [01]
DA December 1, 1974
BT1 Developing Countries
BT1 West Indies
BT2 Islands
RT Atlantic Ocean

BAHRAIN [01]
DA October 13, 1976
BT1 Arab Countries
BT1 Asia
BT1 Developing Countries
BT1 Islands
BT1 Middle East
RT OAPEC

BAILIE PROCESS
DA July 7, 1976
BT1 Waste Processing
BT2 Processing
BT2 Waste Management
BT3 Management
RT Pyrolysis
RT Solid Wastes
RT Waste Processing Plants
DEF Fluidized-bed pyrolysis process using air for conversion of municipal solid waste into intermediate Btu gas.

BAILLY-1 REACTOR [01]
(Porter, Indiana, USA)
DA December 1, 1974
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

BAINITE [01]
DA December 1, 1974
RT Martensite
RT Steels

BAKELITE [01]
DA December 1, 1974
BT1 Organic Polymers
BT2 Organic Compounds
BT2 Polymers
BT1 Plastics
BT2 Petrochemicals
BT3 Petroleum Products
BT2 Synthetic Materials
BT3 Materials
RT Formaldehyde
RT Phenols
RT Resins

BAKING [01]
DA December 1, 1974
BT1 Heating

BAL [01]
(British anti-Lewisite)
DA December 1, 1974
UF *Dimercaprol*
UF *Dimercaptopropanol*
BT1 Chelating Agents
BT1 Dithiols
BT2 Reagents
BT2 Thiols
BT3 Organic Sulfur Compounds
BT4 Organic Compounds
BT1 Radioprotective Substances
BT2 Drugs
RT Unithiol

BALAKOVO-1 REACTOR [01]
DA September 20, 1984
BT1 WWER Type Reactors
BT2 PWR Type Reactors
BT3 Enriched Uranium Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors
BT3 Thermal Reactors
BT4 Reactors
BT3 Water Cooled Reactors
BT4 Reactors
BT3 Water Moderated Reactors
BT4 Reactors

BALAKOVO-2 REACTOR [01]
DA February 24, 1987
BT1 WWER Type Reactors
BT2 PWR Type Reactors
BT3 Enriched Uranium Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors
BT3 Thermal Reactors
BT4 Reactors
BT3 Water Cooled Reactors
BT4 Reactors
BT3 Water Moderated Reactors
BT4 Reactors

Balance (Energy)
DA June 30, 1975
USE Energy Balance

Balance (Mass)
DA June 30, 1975
USE Mass Balance

BALANCE OF POWER
DA February 3, 1986
RT Foreign Policy
RT International Relations

BALANCES [01]
DA December 1, 1974
BT1 Weight Indicators
BT2 Measuring Instruments
NT1 Microbalances
RT Weight Measurement

Balances (Magnetic)
DA December 1, 1974
USE Magnetic Balances

Balescu Theory
DA December 1, 1974
USE Prigogine Theorem

BALL BEARINGS [01]
DA December 1, 1974
BT1 Bearings

BALL LIGHTNING [01]
DA December 1, 1974
BT1 Lightning
BT2 Electric Discharges

BALLASTS
DA February 23, 1979
RT Fluorescent Lamps
RT Lighting Systems
DEF Devices that limit the current of fluorescent or mercury lamps to the required value for proper operation.

BALLISTIC MISSILE DEFENSE
DA November 29, 1984
UF *Strategic Defense Initiative*
BT1 National Defense
RT Directed-Energy Weapons
RT National Security
RT Nuclear Weapons
RT Space Weapons

BALLOONING INSTABILITY [01]
DA August 7, 1979
BT1 Plasma Macroinstabilities
BT2 Plasma Instability
BT3 Instability

BALLOONS [01]
DA December 1, 1974
BT1 Airships
RT Aircraft

BALMER LINES [01]
(Includes all aspects of the transitions associated with BALMER LINES.)
DA December 1, 1974
UF *Balmer Spectra*
UF *H-Alpha Line*
UF *H-Beta Line*
UF *H-Gamma Line*
RT Hydrogen
RT Rydberg Correction
RT Spectra

Balmer Spectra
DA December 1, 1974
USE Balmer Lines

BALNEOLOGY [01]
DA December 1, 1974
BT1 Medicine
RT Therapy
RT Water
DEF The science of the healing qualities of baths, esp. with natural mineral waters.

BALTIC SEA [01]
DA December 1, 1974
BT1 Seas
BT2 Surface Waters

BALTIMORE CANYON [01]
DA December 11, 1978
BT1 Atlantic Ocean
BT2 Seas
BT3 Surface Waters
DEF Depression off Middle Atlantic states.

BAMAG PROCESS
DA April 12, 1977
BT1 Desulfurization
BT2 Chemical Reactions
RT Materials Recovery
RT Sulfur
RT Waste Processing
DEF German process uses a proprietary catalyst to reduce SO_2 to elemental sulfur using a medium Btu town gas derived from a coking process and consisting of H_2, CH_4 & CO.

BAMBOO [01]
DA November 19, 1985
BT1 Gramineae
BT2 Liliopsida
BT3 Magnoliophyta
BT4 Plants

BAMBP [01]
DA December 1, 1974
UF *Butyl-alpha-Methylbenzylphenol*
BT1 Phenols
BT2 Aromatics
BT3 Organic Compounds
BT2 Hydroxy Compounds
BT3 Organic Compounds

BANACH SPACE [01]
DA December 1, 1974
BT1 Mathematical Space
BT2 Space
NT1 Hilbert Space
RT Vectors

BANANA PLANTS [01]
DA January 26, 1976
BT1 Liliopsida
BT2 Magnoliophyta
BT3 Plants
RT Bananas
RT Fruit Trees

BANANA REGIME [01]
DA May 5, 1975
BT1 Trapping
RT Neoclassical Transport Theory
RT Stellarators
RT Tokamak Devices
RT Toroidal Pinch Devices
RT Trapped-Particle Instability
DEF A specific mechanism of particle trapping in toroidal devices.

BANANAS [01]
DA December 1, 1974
BT1 Fruits
BT2 Food
RT Banana Plants
RT Fruit Trees

BAND THEORY [01]
DA December 1, 1974
RT Brillouin Zones
RT Electronic Structure
RT Energy Gap
RT Fermi Level
RT Graded Band Gaps
RT Hubbard Model
RT Wigner-Seitz Method

BANDING TECHNIQUES [01]
DA July 6, 1978
BT1 Cytological Techniques
RT Biological Localization
RT Chromosomal Aberrations
RT Chromosomes
RT Genetic Mapping
RT Stains

BANEBERRY EVENT [01]
DA December 1, 1974
BT1 Emery Operation
BT2 Nuclear Explosions
BT3 Explosions
BT2 Underground Explosions
BT3 Explosions

BANGLADESH [01]
DA December 1, 1974
UF *East Pakistan*
UF *Pakistan (East)*
BT1 Asia
BT1 Developing Countries
RT Ganga River

BANGLADESH ORGANIZATIONS [01]
DA September 15, 1983
BT1 National Organizations

Bank Accounts
DA May 21, 1983
USE Credit Accounts

Banks
DA January 9, 1981
USE Commercial Buildings

Banon Event
DA June 21, 1977
USE Anvil Project

BARBADOS [01]
DA December 10, 1979
BT1 Lesser Antilles
BT2 West Indies
BT3 Islands

BARBITURATES [01]
DA December 1, 1974
UF *Barbituric Acid*
BT1 Anesthetics
BT2 Central Nervous System Depressants
BT3 Drugs
BT1 Hypnotics and Sedatives
BT2 Central Nervous System Depressants
BT3 Drugs
BT1 Organic Oxygen Compounds
BT2 Organic Compounds
BT1 Pyrimidines
BT2 Azines
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
NT1 Amytal
NT1 Nembutal
NT1 Phenobarbital
NT1 Thiopental

Barbituric Acid
DA December 1, 1974
USE Barbiturates

BARC [01]
DA May 5, 1975
UF *Bhabha Atomic Research Center*
BT1 Indian Organizations
BT2 National Organizations

Barcelona Argonaut Reactor
DA December 1, 1974
USE ARGOS Reactor

Bardeen-Cooper-Schrieffer Theory
DA December 1, 1974
USE BCS Theory

BARGES [01]
DA January 10, 1977
RT Navigation
RT Ships
RT Transport

BARITE [01]
DA December 1, 1974
BT1 Sulfate Minerals
BT2 Minerals
RT Barium Sulfates
DEF A white, yellow, or colorless orthorhombic mineral: $BaSO_4$.

BARIUM [01]
DA December 1, 1974
BT1 Alkaline Earth Metals
BT2 Metals
BT3 Elements

BARIUM 117 [01]
DA January 7, 1976
BT1 Barium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BARIUM 119 [01]
DA January 24, 1975
BT1 Barium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BARIUM 120 [01]
DA June 16, 1975
BT1 Barium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BARIUM 121 [01]
DA January 24, 1975
BT1 Barium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BARIUM 122 [01]
DA December 1, 1974
BT1 Barium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BARIUM 123 [01]
DA December 1, 1974
BT1 Barium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BARIUM 124 [01]
DA December 1, 1974
BT1 Barium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BARIUM 125 [01]
DA December 1, 1974
BT1 Barium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BARIUM 126 [01]
DA December 1, 1974
BT1 Barium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei

BARIUM 127 [01]
DA December 1, 1974
BT1 Barium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BARIUM 127 TARGET [01]
DA May 7, 1977
BT1 Targets

BARIUM 128 [01]
DA December 1, 1974
BT1 Barium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei

BARIUM 129 [01]
DA December 1, 1974
BT1 Barium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei

BARIUM 130 [01]
DA December 1, 1974
BT1 Barium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

BARIUM 130 TARGET [01]
DA July 9, 1976
BT1 Targets

BARIUM 131 [01]
DA December 1, 1974
BT1 Barium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BARIUM 132 [01]
DA December 1, 1974
BT1 Barium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

BARIUM 133 [01]
DA December 1, 1974
BT1 Barium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BARIUM 134 [01]
DA December 1, 1974
BT1 Barium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

BARIUM 134 TARGET [01]
DA July 9, 1976
BT1 Targets

BARIUM 135 [01]
DA December 1, 1974
BT1 Barium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

BARIUM 135 TARGET [01]
DA March 4, 1977
BT1 Targets

BARIUM 136 [01]
DA December 1, 1974
BT1 Barium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

BARIUM 136 TARGET [01]
DA July 12, 1976
BT1 Targets

BARIUM 137 [01]
DA December 1, 1974
BT1 Barium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

BARIUM 137 TARGET [01]
DA June 2, 1977
BT1 Targets

BARIUM 138 [01]
DA December 1, 1974
BT1 Barium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Nanosec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

BARIUM 138 TARGET [01]
DA July 9, 1976
BT1 Targets

BARIUM 139 [01]
DA December 1, 1974
BT1 Barium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei

BARIUM 139 TARGET [01]
DA July 9, 1976
BT1 Targets

BARIUM 140 [01]
DA December 1, 1974
BT1 Barium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei

BARIUM 141 [01]
DA December 1, 1974
BT1 Barium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BARIUM 142 [01]
DA December 1, 1974
BT1 Barium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BARIUM 143 [01]
DA December 1, 1974
BT1 Barium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BARIUM 144 [01]
DA December 1, 1974
BT1 Barium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei

BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BARIUM 145 [01]
DA December 1, 1974
BT1 Barium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BARIUM 146 [01]
DA January 24, 1975
BT1 Barium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BARIUM 147 [01]
DA October 19, 1977
BT1 Barium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BARIUM 148 [01]
DA March 25, 1976
BT1 Barium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BARIUM 149 [01]
DA January 24, 1975
BT1 Barium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BARIUM ADDITIONS [01]
DA December 1, 1974
BT1 Barium Alloys
BT2 Alloys

BARIUM ALLOYS [01]
DA December 1, 1974
BT1 Alloys
NT1 Barium Additions
NT1 Barium Base Alloys

BARIUM BASE ALLOYS [01]
DA December 1, 1974
BT1 Barium Alloys
BT2 Alloys

BARIUM BORIDES [01]
DA December 1, 1974
BT1 Barium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Borides
BT2 Boron Compounds

BARIUM BROMIDES [01]
DA December 1, 1974
BT1 Barium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds

BARIUM CARBIDES [01]
DA December 1, 1974
BT1 Barium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Carbides
BT2 Carbon Compounds

BARIUM CARBONATES [01]
DA December 1, 1974
BT1 Barium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Carbonates
BT2 Carbon Compounds
BT2 Oxygen Compounds

BARIUM CHLORIDES [01]
DA December 1, 1974
BT1 Barium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds

BARIUM COMPLEXES [01]
DA December 1, 1974
BT1 Alkaline Earth Metal Complexes
BT2 Complexes

BARIUM COMPOUNDS [01]
DA December 1, 1974
BT1 Alkaline Earth Metal Compounds
NT1 Barium Borides
NT1 Barium Bromides
NT1 Barium Carbides
NT1 Barium Carbonates
NT1 Barium Chlorides
NT1 Barium Fluorides
NT1 Barium Hydrides
NT1 Barium Hydroxides
NT1 Barium Iodides
NT1 Barium Nitrates
NT1 Barium Nitrides
NT1 Barium Oxides
NT2 Billietite
NT2 Heinrichite
NT1 Barium Perchlorates
NT1 Barium Phosphates
NT1 Barium Silicates
NT1 Barium Sulfates
NT1 Barium Sulfides
NT1 Barium Tungstates

BARIUM FLUORIDES [01]
DA December 1, 1974
BT1 Barium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds

BARIUM HYDRIDES [01]
DA December 1, 1974
BT1 Barium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Hydrides
BT2 Hydrogen Compounds

BARIUM HYDROXIDES [01]
DA December 1, 1974
BT1 Barium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds

BARIUM IODIDES [01]
DA December 1, 1974
BT1 Barium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds

BARIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

BARIUM ISOTOPES [01]
DA December 1, 1974
BT1 Alkaline Earth Isotopes
BT2 Isotopes
NT1 Barium 117
NT1 Barium 119
NT1 Barium 120
NT1 Barium 121
NT1 Barium 122
NT1 Barium 123
NT1 Barium 124
NT1 Barium 125
NT1 Barium 126
NT1 Barium 127
NT1 Barium 128
NT1 Barium 129
NT1 Barium 130
NT1 Barium 131
NT1 Barium 132
NT1 Barium 133
NT1 Barium 134
NT1 Barium 135
NT1 Barium 136
NT1 Barium 137
NT1 Barium 138
NT1 Barium 139
NT1 Barium 140
NT1 Barium 141
NT1 Barium 142
NT1 Barium 143
NT1 Barium 144
NT1 Barium 145
NT1 Barium 146
NT1 Barium 147
NT1 Barium 148
NT1 Barium 149

BARIUM NITRATES [01]
DA December 1, 1974
BT1 Barium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds

BARIUM NITRIDES [01]
DA December 1, 1974
BT1 Barium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides

BARIUM OXIDES [01]
DA December 1, 1974
BT1 Barium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds
NT1 Billietite
NT1 Heinrichite
RT Hollandite
RT Oxide Minerals

BARIUM PERCHLORATES [01]
DA November 11, 1975
BT1 Barium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Perchlorates
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Oxygen Compounds

BARIUM PHOSPHATES [01]
DA December 1, 1974
BT1 Barium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds
RT Phosphate Minerals

BARIUM SILICATES [01]
DA December 1, 1974
BT1 Barium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Silicates
BT2 Oxygen Compounds
BT2 Silicon Compounds

BARIUM SULFATES [01]
DA December 1, 1974
BT1 Barium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds
RT Barite
RT Sulfate Minerals
RT Uranocircite

BARIUM SULFIDES [01]
DA December 1, 1974
BT1 Barium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds

BARIUM TUNGSTATES [01]
DA March 11, 1976
BT1 Barium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Tungstates

BARK [01]
DA December 11, 1985
BT1 Plant Tissues
BT2 Tissues
BT3 Body
RT Cork
RT Lignin
RT Plant Stems
RT Solid Fuels
RT Trees
RT Wood Wastes

BARLEY [01]
DA December 1, 1974
UF *Hordeum*
BT1 Cereals
BT2 Gramineae
BT3 Liliopsida
BT4 Magnoliophyta
BT5 Plants

BARN REACTOR [01]
(Institute for Atomic Sciences in Agriculture, Wageningen, Netherlands.)
DA December 1, 1974
UF *Wageningen BARN Reactor*
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors

BARNWELL FUEL PROCESSING PLANT [01]
DA December 1, 1974
BT1 Fuel Reprocessing Plants
BT2 Nuclear Facilities

BAROMETERS [01]
DA December 1, 1974
BT1 Pressure Gages
BT2 Measuring Instruments

Barrier Layer
DA March 4, 1980
USE Depletion Layer

Barriers
DA January 28, 1975
SEE Diffusion Barriers
OR Ventilation Barriers

Barriers (Institutional)
DA July 18, 1981
USE Constraints

BARSEBAECK-1 REACTOR [01]
(Barsbaeck, Malmo, Sweden)
DA December 1, 1974
UF *Sydsvenska Kraft AB Reactor 1*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

BARSEBAECK-2 REACTOR [01]
(Barsebaeck, Malmo, Sweden)
DA July 6, 1978
UF *Sydsvenska Kraft AB Reactor 2*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

BARSTOW SOLAR PILOT PLANT
(10-MW solar central receiver pilot plant at Barstow, California.)
DA January 24, 1980
UF *Solar One Power Plant*
BT1 Pilot Plants
BT2 Functional Models
BT1 Tower Focus Power Plants
BT2 Solar Thermal Power Plants
BT3 Solar Power Plants
BT4 Power Plants
BT3 Thermal Power Plants
BT4 Power Plants

BARTLESVILLE ENERGY TECHNOLOGY CENTER
DA October 23, 1978
BT1 US DOE
BT2 US Organizations
BT3 National Organizations

BARTON-1 REACTOR [01]
DA January 20, 1975
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

BARTON-2 REACTOR [01]
DA January 20, 1975
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

BARTON-3 REACTOR [01]
DA January 20, 1975
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

BARTON-4 REACTOR [01]
DA January 20, 1975
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

BARYON-BARYON INTERACTIONS [01]
DA December 1, 1974
BT1 Hadron-Hadron Interactions
BT2 Particle Interactions
BT3 Interactions
NT1 Hyperon-Hyperon Interactions
NT1 Nucleon-Antinucleon Interactions
NT2 Antiproton-Neutron Interactions
NT2 Neutron-Antineutron Interactions
NT2 Proton-Antineutron Interactions
NT2 Proton-Antiproton Interactions
NT1 Nucleon-Deuteron Interactions
NT2 Antineutron-Deuteron Interactions
NT2 Antiproton-Deuteron Interactions
NT2 Neutron-Deuteron Interactions
NT2 Proton-Deuteron Interactions
NT1 Nucleon-Hyperon Interactions
NT1 Nucleon-Nucleon Interactions
NT2 Neutron-Neutron Interactions
NT2 Proton-Nucleon Interactions

NT3 Proton-Neutron Interactions
NT3 Proton-Proton Interactions

BARYON DECUPLETS [01]
DA December 1, 1974
BT1 Particle Multiplets
BT2 Multiplets

BARYON-EXCHANGE MODELS [01]
DA December 1, 1974
BT1 Peripheral Models
BT2 Particle Models
BT3 Mathematical Models

BARYON NUMBER [01]
DA December 1, 1974
RT Baryons
RT Gauge Invariance
RT Neutron Oscillation

Baryon Number 2 Resonances
DA February 27, 1979
USE Dibaryons

BARYON OCTETS [01]
DA December 1, 1974
BT1 Particle Multiplets
BT2 Multiplets
RT Octet Model

BARYON REACTIONS [01]
DA December 1, 1974
BT1 Hadron Reactions
BT2 Nuclear Reactions
NT1 Hyperon Reactions
* **NT1** Nucleon Reactions

Baryon Resonances
DA December 1, 1974
USE Baryons

BARYON SPECTROSCOPY [01]
DA February 23, 1979
BT1 Spectroscopy

BARYONIUM [01]
DA April 6, 1978
BT1 Mesons
BT2 Bosons
BT2 Hadrons
BT3 Elementary Particles
RT Baryons
RT Protonium
RT Quarkonium
DEF Baryonium states, narrow resonances near p-anti p threshold, are mesons that have quantum numbers of a 2 quark-2 antiquark system and couple predominantly to baryon-antibaryon systems.

BARYONS [01]
DA December 1, 1974
UF *Baryon Resonances*
UF *D* Plus Resonances*
UF *D* Zero Resonances*
UF *D*Resonances*
UF *Y*Resonances*
SF *D*Effect*
SF *D*Phenomenon*
BT1 Fermions
BT1 Hadrons
BT2 Elementary Particles
* **NT1** Antibaryons
NT1 Beauty Baryons
NT2 Lambda B Neutral Baryons
NT1 Charmed Baryons
NT2 Lambda C Plus Baryons
NT2 Omega C Neutral Baryons
NT2 Sigma C-2450 Baryons
NT2 Xi C Plus Baryons
* **NT1** Dibaryons
* **NT1** Hyperons
* **NT1** N*Baryons
* **NT1** Nucleons
RT Baryon Number
RT Baryonium

BASAL METABOLISM [01]
DA December 1, 1974
BT1 Metabolism

BASALT [01]
DA December 1, 1974
BT1 Volcanic Rocks
BT2 Igneous Rocks
BT3 Rocks
NT1 Diabases
RT Feldspars
RT Nepheline Basalts
RT Olivine

BASEBALL DEVICES [01]
DA December 1, 1974
BT1 Open Plasma Devices
BT2 Thermonuclear Devices

BASEBALL SEAM CONFIGURATIONS [01]
DA December 1, 1974
BT1 Open Configurations
BT2 Magnetic Field Configurations

BASEBOARD HEATING
DA September 19, 1977
BT1 Space Heating
BT2 Heating
RT Electric Heating

Basedow's Disease
DA December 1, 1974
USE Hyperthyroidism

BASELINE ECOLOGY [01]
DA April 12, 1977
BT1 Ecology
RT Species Diversity
DEF The ecological situation, or studies of that situation, that exists at a site or geographical region before some development is made in the area; it provides a basis for evaluating impact of the development.

BASEMENT ROCK [01]
DA March 16, 1981
RT Geologic Strata
RT Igneous Rocks
RT Metamorphic Rocks
RT Rocks
DEF Metamorphic or igneous rock underlying the sedimentary sequence.

BASEMENTS [01]
DA July 20, 1984
UF *Cellars*
RT Buildings
RT Floors
RT Foundations
DEF The part of a building that is wholly or partly below ground level.

BASES [01]
DA December 1, 1974
NT1 Coal Tar Bases
NT1 Lewis Bases
NT1 Shale Tar Bases
RT Acid Neutralizing Capacity
RT Anhydrides
RT Hydroxides
RT PH Value

BASF-1 REACTOR [01]
DA December 1, 1974
UF *BASF-Industriekernkraftwerk Reactor 1*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

BASF-2 REACTOR [01]
DA December 1, 1974
UF *BASF-Industriekernkraftwerk Reactor 2*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

BASF-Industriekernkraftwerk Reactor 1
DA December 1, 1974
USE BASF-1 Reactor

BASF-Industriekernkraftwerk Reactor 2
DA December 1, 1974
USE BASF-2 Reactor

BASIC [01]
DA September 11, 1975
BT1 Programming Languages

BASIC INTERACTIONS [01]
DA December 1, 1974
BT1 Interactions
* **NT1** Electromagnetic Interactions
NT1 Gravitational Interactions
NT1 Strong Interactions
NT2 Charge-Exchange Interactions
NT2 Peripheral Collisions
NT1 Weak Interactions
NT2 Fermi Interactions
NT2 Leptonic Decay
RT Conservation Laws
RT Invariance Principles
RT Neutral-Current Interactions
RT Potentials
RT Unified-Field Theories

BASOPHILS [01]
DA December 1, 1974
BT1 Leukocytes
BT2 Blood Cells
BT3 Blood
BT4 Body Fluids
BT5 Biological Materials
BT6 Materials

Basophils (Connective Tissue)
DA December 1, 1974
USE Mast Cells

BASS STRAIT
DA April 12, 1977
BT1 Seas
BT2 Surface Waters
RT Australia

BASSETITE [01]
DA December 1, 1974
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials

BASTNAESITE [01]
DA December 1, 1974
BT1 Oxide Minerals
BT2 Minerals
BT1 Rare Earth Compounds
BT1 Thorium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
RT Thorium Oxides

Bataan Philippine Power Plant
DA January 27, 1984
USE PNPP-1 Reactor

BATCH CULTURE [01]
DA June 14, 1978
RT Aerobic Digestion
RT Anaerobic Digestion
RT Continuous Culture
RT Culture Media

RT Fermentation
RT Semibatch Culture
RT Single Cell Protein

BATCH LOADING [01]
DA December 1, 1974
BT1 Reactor Fueling

Bates Linac MIT
DA March 8, 1978
USE MIT Bates Linac

BATHYMETRY [01]
DA July 6, 1978
RT Geophysics
RT Oceanography
RT Seas
DEF The measurement of ocean depths and the charting of the topography of the ocean floor.

BATS [01]
DA June 30, 1975
BT1 Mammals
BT2 Vertebrates
BT3 Animals

Battelle Coal-Cleaning Process
DA September 11, 1975
USE Battelle Hydrothermal Coal Process

BATTELLE COLUMBUS LABORATORY [01]
DA November 17, 1976
BT1 US ERDA
BT2 US Organizations
BT3 National Organizations
RT Ohio

BATTELLE HYDROTHERMAL COAL PROCESS
DA September 11, 1975
UF *Battelle Coal-Cleaning Process*
BT1 Desulfurization
BT2 Chemical Reactions
DEF A closed-loop leaching process for removal of up to 99% pyritic S and ~0% organic S to produce solid fuel.

BATTELLE PACIFIC NORTHWEST LABORATORIES [01]
DA July 7, 1976
UF *Pacific Northwest Laboratories*
UF *PNL*
BT1 US DOE
BT2 US Organizations
BT3 National Organizations
BT1 US ERDA
BT2 US Organizations
BT3 National Organizations
RT Hanford Reservation
RT HAPO

Battelle Research Reactor
DA December 1, 1974
USE BRR Reactor

Batteries (Electric)
DA December 1, 1974
USE Electric Batteries

Batteries (Isotopic)
DA June 30, 1975
USE Radioisotope Batteries

→**BATTERY CHARGE STATE [01]**
(Prior to February 1993, this concept was indexed to CHARGE STATE.)
DA February 4, 1993
UF *Charge State*
RT Charged Particles
RT Electric Batteries
RT Electric Charges
RT Ions

BATTERY CHARGERS [01]
DA January 31, 1975
BT1 Electrical Equipment
BT2 Equipment
NT1 Solar Battery Chargers
RT Battery Charging

BATTERY CHARGING
DA January 27, 1975
RT Battery Chargers

BATTERY PASTE
DA August 4, 1976
RT Electric Batteries
RT Electrodes
RT Grids

BATTERY SEPARATORS
DA April 15, 1975
RT Electric Batteries

BATYL ALCOHOL [01]
DA December 1, 1974
UF *Octadecyl Glyceryl Ether-alpha*
BT1 Alcohols
BT2 Hydroxy Compounds
BT3 Organic Compounds
BT1 Ethers
BT2 Organic Oxygen Compounds
BT3 Organic Compounds
RT Glycerol

BAUXITE [01]
DA January 23, 1975
BT1 Aluminium Ores
BT2 Ores
RT Aluminium Hydroxides
DEF A ferruginous aluminium hydroxide essentially $Al_2O_3.2H_2O$ but consisting of several minerals.

BAWTR REACTOR [01]
(Babcock and Wilcox, Lynchburg Research Center, Lynchburg, Virginia, USA.)
DA December 1, 1974
UF *Babcock And Wilcox Test Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

BAY OF BISCAY [01]
DA November 10, 1981
BT1 Atlantic Ocean
BT2 Seas
BT3 Surface Waters
BT1 Bays
BT2 Coastal Waters
BT3 Surface Waters
RT France
RT Spain

BAY OF FUNDY [01]
(This bay is presently being considered as the site of a sizeable tidal power plant.)
DA January 20, 1975
BT1 Atlantic Ocean
BT2 Seas
BT3 Surface Waters
BT1 Bays
BT2 Coastal Waters
BT3 Surface Waters
RT Canada

BAYARD-ALPERT GAGES [01]
DA December 1, 1974
BT1 Ionization Gages
BT2 Vacuum Gages
BT3 Pressure Gages
BT4 Measuring Instruments

BAYLEYITE [01]
DA December 1, 1974
BT1 Carbonate Minerals
BT2 Minerals
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
RT Magnesium Carbonates
RT Uranium Carbonates

BAYS [01]
DA January 20, 1975
BT1 Coastal Waters
BT2 Surface Waters
NT1 Bay of Biscay
NT1 Bay of Fundy
NT1 Biscayne Bay
NT1 Chesapeake Bay
NT1 Delaware Bay
NT1 Galveston Bay
NT1 Matagorda Bay
NT1 Onslow Bay
NT1 Prudhoe Bay
NT1 Sequim Bay
RT Seas

BBGKY EQUATION [01]
DA December 1, 1974
UF *BBGKY Hierarchy*
UF *BBGKY Theory*
UF *Bogolyubov Theory*
UF *Born-Bogolyubov-Green-Kirkwood-Yvon*
BT1 Differential Equations
BT2 Equations
RT Statistical Mechanics

BBGKY Hierarchy
DA December 1, 1974
USE BBGKY Equation

BBGKY Theory
DA December 1, 1974
USE BBGKY Equation

BCC LATTICES [01]
DA December 1, 1974
UF *Body Centered Cubic*
BT1 Cubic Lattices
BT2 Crystal Lattices
BT3 Crystal Structure

BCL PROCESS
DA October 10, 1985
UF *Brown Coal Liquefaction Process*
BT1 Coal Liquefaction
BT2 Liquefaction
BT3 Thermochemical Processes
DEF A two-stage hydrogenation process in which the primary hydrogenation and the secondary hydrogenation processes are combined with the new slurry dewatering and the deashing and preasphaltene removal processes.

BCOCLMCNM [01]
(Brussels Convention on Civil Liability for Maritime Carriage of Nuclear Materials.)
DA December 1, 1974
UF *Liability Conv Maritime Carriage Nuclear Materials*
UF *Maritime Carriage Liability Conv Brussels 1971*
BT1 International Agreements
BT2 Agreements
RT Civil Liability

BCOLONS [01]
(Brussels Convention on Liability for Operation of Nuclear Ships.)
DA December 1, 1974
BT1 International Agreements
BT2 Agreements
RT Civil Liability
RT Liabilities
RT Nuclear Ship Visits
RT Nuclear Ships

BCR Process
DA April 12, 1977
USE Tri-Gas Process

BCS THEORY [01]
DA December 1, 1974
UF *Bardeen-Cooper-Schrieffer Theory*
RT Superconductivity

BCSTPC [01]
(Brussels Convention - Supplement to Paris Convention on Third Party Liability.)
DA December 1, 1974
UF *Liability Conv on Third Party, Brussels*
BT1 International Agreements
BT2 Agreements
RT Civil Liability
RT PCOTPL

BEACON PROCESS [01]
DA April 17, 1981
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes
RT Methanation
RT Synthesis Gas
DEF The Beacon Process converts low to medium Btu gas to a methane-rich high Btu gas by two main reactions. In the presence of a catalyst, carbon is deposited by shifting carbon monoxide to carbon dioxide. The deposited carbon and catalyst are active for hydrogenation to methane.

BEAD WALLS
DA February 27, 1979
BT1 Passive Solar Cooling Systems
BT2 Solar Cooling Systems
BT3 Solar Equipment
BT4 Equipment
BT1 Passive Solar Heating Systems
BT2 Solar Heating Systems
BT3 Heating Systems
BT4 Energy Systems
BT3 Solar Equipment
BT4 Equipment
BT1 Walls
RT Thermal Insulation
RT Windows

BEAGLES [01]
DA December 1, 1974
BT1 Dogs
BT2 Mammals
BT3 Vertebrates
BT4 Animals

BEAM ACCEPTANCE [01]
DA December 1, 1974
UF *Acceptance (Beam)*
RT Beam Optics

BEAM ANALYZERS [01]
(For momentum analysis of charged particle beams.)
DA December 1, 1974
NT1 Electrostatic Analyzers
NT1 Magnetic Analyzers
RT Beam Monitors
RT Monochromators

BEAM-BEAM INTERACTIONS [01]
DA May 25, 1979
BT1 Beam Dynamics
RT Beam Stacking
RT Colliding Beams

BEAM BENDING MAGNETS [01]
DA December 1, 1974
BT1 Electromagnets
BT2 Electrical Equipment
BT3 Equipment
BT2 Magnets
RT Beam Optics
RT Magnetic Analyzers

BEAM BUNCHERS [01]
DA December 1, 1974
RT Beam Bunching

BEAM BUNCHING [01]
DA December 1, 1974
UF *Bunching (Beam)*
BT1 Beam Dynamics
RT Beam Bunchers
RT Beam Optics
RT Beam Shaping

Beam Choppers
DA February 13, 1975
USE Beam Pulsers

BEAM COOLING [01]
(For improving the quality of particle beams.)
DA May 3, 1979
NT1 Electron Cooling
NT1 Stochastic Cooling
NT2 Momentum Cooling
RT Beam Dynamics
RT Cosy Storage Ring

BEAM CURRENTS [01]
DA December 1, 1974
UF *Currents (Beam)*
BT1 Currents
NT1 Amp Beam Currents
NT1 Kilo Amp Beam Currents
NT1 Mega Amp Beam Currents
NT1 Micro Amp Beam Currents
NT1 Milli Amp Beam Currents
NT1 Nano Amp Beam Currents
NT1 Pico Amp Beam Currents
RT Beam Monitoring
RT Beam Monitors
RT Current Density
RT Faraday Cups

BEAM DUMPS [01]
DA December 1, 1974
RT Accelerator Facilities
RT Accelerators
DEF Mass of shielding material to absorb an accelerator beam after experimental use.

BEAM DYNAMICS [01]
DA December 1, 1974
UF *Dynamics (Beam)*
NT1 Beam Bunching
NT1 Beam-Beam Interactions
NT1 Betatron Oscillations
NT1 Phase Oscillations
NT1 Synchrotron Oscillations
RT Accelerators
RT Beam Cooling
RT Beam Optics
RT Beam Stacking
RT Dynamics
RT Negative Mass Effect
RT Orbit Stability
RT Orbits
RT Phase Stability
RT Trajectories
DEF Particle beam motion inside an accelerator.

BEAM EMITTANCE [01]
DA December 1, 1974
UF *Emittance (Beam)*
UF+ *Beam Perveance*
RT Beam Optics
RT Brightness

BEAM EXTRACTION [01]
DA December 1, 1974
UF *Extraction (Beam)*
RT Beam Optics
RT Kicker Magnets
RT Septum Magnets

BEAM FOCUSING MAGNETS [01]
DA December 1, 1974
BT1 Electromagnets
BT2 Electrical Equipment
BT3 Equipment
BT2 Magnets
RT Beam Optics
RT Quadrupoles

Beam-Foil Spectroscopy
DA December 1, 1974
USE Ion Spectroscopy

Beam-Gas Spectroscopy
DA December 1, 1974
USE Ion Spectroscopy

BEAM HOLES [01]
DA December 1, 1974
BT1 Reactor Channels
BT2 Reactor Components
BT1 Reactor Experimental Facilities
BT2 Reactor Components
DEF Hole through a reactor for the passage of a beam of radiation for experiments outside the reactor.

BEAM INJECTION [01]
DA December 1, 1974
UF *Injection (Beams)*
NT1 Cluster Beam Injection
NT1 Electron Beam Injection
NT1 Ion Beam Injection
NT2 Molecular Ion Beam Injection
NT1 Neutral Atom Beam Injection
NT1 Plasma Beam Injection
NT1 Relativistic Beam Injection
RT Beam Injection Heating
RT Beam Optics
RT Beam Production
RT Particle Boosters
RT Thermonuclear Devices

BEAM INJECTION HEATING [01]
DA December 1, 1974
BT1 Plasma Heating
BT2 Heating
RT Atomic Beam Sources
RT Beam Injection

BEAM LUMINOSITY [01]
DA December 1, 1974
RT Colliding Beams
RT Interactions
DEF Colliding beam interaction rate.

BEAM MONITORING [01]
DA December 1, 1974
UF *Monitoring (Beam)*
BT1 Monitoring
RT Beam Currents
RT Beam Monitors
RT Beam Position
RT Beam Profiles
RT Magnetoinduction Sensors

BEAM MONITORS [01]
DA December 1, 1974
UF *Monitors (Beam)*
BT1 Monitors
BT2 Measuring Instruments
NT1 Beam Scanners
NT1 Faraday Cups
NT1 Magnetoinduction Sensors
RT Accelerator Facilities
RT Beam Analyzers
RT Beam Currents
RT Beam Monitoring
RT Beam Position
RT Beam Profiles

BEAM NEUTRALIZATION [01]
DA December 1, 1974
UF *Neutralization (Beam)*
RT Charge Exchange
RT Ionization
RT Particle Beams

BEAM OPTICS [01]
DA December 1, 1974
RT Alignment
RT Beam Acceptance
RT Beam Bending Magnets
RT Beam Bunching
RT Beam Dynamics
RT Beam Emittance
RT Beam Extraction

RT Beam Focusing Magnets
RT Beam Injection
RT Beam Shaping
RT Beam Splitting
RT Beam Transport
RT Chromatic Aberrations
RT Collimators
RT Electrostatic Mirrors
RT Electrostatic Septa
RT Focusing
RT Geometrical Aberrations
RT Kicker Magnets
RT Monochromators
RT Optics
RT Septum Magnets

Beam Perveance
DA July 6, 1981
USE Beam Emittance
AND Space Charge

BEAM-PLASMA SYSTEMS [01]
DA December 1, 1974
RT Beams
RT Pierce Instability
RT Plasma
RT Whistler Instability

BEAM POSITION [01]
DA December 1, 1974
RT Beam Monitoring
RT Beam Monitors
RT Beam Scanners

BEAM PRODUCTION [01]
DA December 1, 1974
UF *Production (Beam)*
RT Beam Injection

BEAM PROFILES [01]
DA December 1, 1974
UF *Beam Widths*
RT Beam Monitoring
RT Beam Monitors
RT Beam Scanners
RT Beam Shaping

BEAM PULSERS [01]
DA January 20, 1975
UF *Beam Choppers*
UF *Choppers (Beam)*
UF *Pulsed Beam Deflectors*
NT1 Neutron Choppers
RT Beam Shaping
RT Beams
RT Pulsed Irradiation
RT Pulses

BEAM SCANNERS [01]
DA December 1, 1974
BT1 Beam Monitors
BT2 Monitors
BT3 Measuring Instruments
RT Beam Position
RT Beam Profiles

BEAM SEPARATORS [01]
(For velocity separation of secondary beams.)
DA December 1, 1974
RT Accelerators

BEAM SHAPING [01]
DA June 12, 1975
RT Beam Bunching
RT Beam Optics
RT Beam Profiles
RT Beam Pulsers
RT Focusing

BEAM SPLITTING [01]
DA June 12, 1975
RT Beam Optics

BEAM STACKING [01]
DA December 1, 1974
RT Beam Dynamics
RT Beam-Beam Interactions

BEAM STRIPPERS [01]
DA December 1, 1974
UF *Stripper Foils*
UF *Strippers*
RT Atomic Beams
RT Charge Exchange
RT Charge States
RT Electron Loss
RT Ion Beams

BEAM TRANSPORT [01]
DA December 1, 1974
RT Beam Optics
RT Laser Guidance

Beam Widths
DA December 1, 1974
USE Beam Profiles

BEAMS [01]
DA December 1, 1974
NT1 Antiparticle Beams
NT2 Antineutrino Beams
NT2 Antinucleon Beams
NT3 Antiproton Beams
NT1 Atomic Beams
NT1 Cluster Beams
NT1 Colliding Beams
* **NT1** Ion Beams
NT1 Molecular Beams
* **NT1** Particle Beams
NT1 Photon Beams
NT1 Polarized Beams
RT Beam Pulsers
RT Beam-Plasma Systems
RT Stern-Gerlach Experiment

Beams (Structural)
DA August 24, 1977
USE Structural Beams

Bean Plant
DA December 1, 1974
USE Phaseolus

BEANS [01]
DA December 1, 1974
BT1 Vegetables
BT2 Food
BT2 Plants
NT1 Mungbeans
RT Phaseolus
RT Seeds

BEARINGS [01]
DA December 1, 1974
NT1 Ball Bearings
NT1 Gas Bearings
NT1 Hydrostatic Bearings
NT1 Journal Bearings
NT1 Magnetic Bearings
NT1 Roller Bearings
RT Bushings
RT Lubrication
RT Tribology
RT Wear

BEARS [01]
(Ursidae)
DA July 8, 1986
BT1 Mammals
BT2 Vertebrates
BT3 Animals

BEAT WAVE ACCELERATORS [01]
DA September 3, 1987
BT1 Linear Accelerators
BT2 Accelerators
RT Laser Radiation
RT Plasma Waves
DEF A laser-driven accelerator concept in which two laser beams are superimposed in a plasma, the difference of their frequency being the plasma's natural frequency of oscillation.

BEAUFORT SEA [01]
DA April 12, 1977
BT1 Arctic Ocean
BT2 Seas
BT3 Surface Waters
NT1 Prudhoe Bay

BEAUTY BARYONS [01]
DA February 19, 1988
UF *Bottom Baryons*
BT1 Baryons
BT2 Fermions
BT2 Hadrons
BT3 Elementary Particles
BT1 Beauty Particles
BT2 Elementary Particles
NT1 Lambda B Neutral Baryons

BEAUTY MESONS [01]
DA February 2, 1988
UF *Bottom Mesons*
BT1 Beauty Particles
BT2 Elementary Particles
BT1 Mesons
BT2 Bosons
BT2 Hadrons
BT3 Elementary Particles
NT1 B'-5325 Mesons

BEAUTY MODEL
DA November 7, 1979
UF *Bottom Quark Model*
BT1 Flavor Model
BT2 Quark Model
BT3 Composite Models
BT4 Particle Models
BT5 Mathematical Models

BEAUTY PARTICLES [01]
DA April 11, 1979
UF *Bottom Particles*
BT1 Elementary Particles
NT1 B Mesons
NT2 B Minus Mesons
NT2 B Neutral Mesons
NT3 Anti-B Neutral Mesons
NT2 B Plus Mesons
NT1 Beauty Baryons
NT2 Lambda B Neutral Baryons
NT1 Beauty Mesons
NT2 B*-5325 Mesons
RT Flavor Model
RT Quark Model
RT Top Particles

BEAVER VALLEY-1 REACTOR [01]
(Shippingport, Pennsylvania, USA)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

BEAVER VALLEY-2 REACTOR [01]
(Shippingport, Pennsylvania, USA)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

BEAVERLODGE [01]
DA December 1, 1974
BT1 Saskatchewan
BT2 Canada
BT3 Developed Countries
BT3 North America

BEAVERLODGE MINE [01]
(Saskatchewan, Canada.)
DA December 16, 1975
BT1 Uranium Mines
BT2 Mines
BT3 Underground Facilities
RT Saskatchewan

BEAVON PROCESS
DA January 27, 1975
BT1 Desulfurization
BT2 Chemical Reactions
DEF Process for sulfur removal for purification of Claus unit tail gas to well below 250 ppM of SO_2; process combines hydrogenation, cooling, and wet oxidative extraction and yields sulfur by-product.

Beck Cycle
DA August 12, 1980
SEE Foam-Lift Cycles
OR Lift Cycles
OR Mist-Lift Cycles

BECQUERELITE [01]
DA December 1, 1974
BT1 Oxide Minerals
BT2 Minerals
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
RT Calcium Oxides
RT Uranium Oxides

BEDROCK PROJECT [01]
DA July 7, 1976
UF *Hushed Echo Event*
UF *Stilton-Hushed Echo Event*
BT1 Nuclear Explosions
BT2 Explosions
BT1 Underground Explosions
BT2 Explosions
NT1 Dining Car Event
NT1 Portmanteau Event
NT1 Tybo Event
RT Contained Explosions

BEDT-TTF [01]
DA November 19, 1985
UF *Bisethylenedithiolotetrathiafulvalene*
BT1 Heterocyclic Compounds
BT2 Organic Compounds
BT1 Organic Sulfur Compounds
BT2 Organic Compounds
BT1 Organic Superconductors
BT2 Superconductors

BEECH TREES [01]
DA September 11, 1978
BT1 Magnoliopsida
BT2 Magnoliophyta
BT3 Plants
BT1 Trees
BT2 Plants

Beef
DA December 1, 1974
USE Meat

BEEHIVE COKE
DA September 27, 1979
BT1 Coke

BEES [01]
DA April 17, 1981
UF *Apis Mellifera*
BT1 Hymenoptera
BT2 Insects
BT3 Arthropods
BT4 Invertebrates
BT5 Animals
RT Royal Jelly
RT Wasps

BEETLES [01]
DA December 1, 1974
UF *Weevils*
BT1 Coleoptera
BT2 Insects
BT3 Arthropods
BT4 Invertebrates
BT5 Animals
NT1 Boll Weevil
NT1 Tribolium

BEETS [01]
DA December 1, 1974
BT1 Magnoliopsida
BT2 Magnoliophyta
BT3 Plants
BT1 Vegetables
BT2 Food
BT2 Plants
NT1 Sugar Beets

BEHAVIOR [01]
(Limited to living systems.)
DA December 1, 1974
NT1 Avoidance
RT Aesthetics
RT Attitudes
RT Biological Adaptation
RT Central Nervous System
RT Central Nervous System Agents
RT Central Nervous System Depressants
RT Cerebral Cortex
RT Competition
RT Human Factors
RT Insect Dispersal
RT Learning
RT Leisure Time Activities
RT Mating
RT Mental Disorders
RT Physiology
RT Predator-Prey Interactions
RT Psychology
RT Public Anxiety
RT Reflexes

→**BEIJING ELECTRON-POSITRON COLLIDER [01]**
DA November 4, 1992
BT1 Linear Accelerators
BT2 Accelerators
BT1 Storage Rings

→**BEIJING PROTON LINAC [01]**
DA November 4, 1992
BT1 Linear Accelerators
BT2 Accelerators

→**BELARUS [01]**
DA March 15, 1993
UF *Byelorussian SSR*
BT1 Eastern Europe
BT2 Europe
RT USSR

BELGIAN ORGANIZATIONS [01]
DA October 7, 1980
BT1 National Organizations

Belgian Reactor 1
DA December 1, 1974
USE BR-1 Reactor

Belgian Reactor 2
DA December 1, 1974
USE BR-2 Reactor

Belgian Reactor 3
DA December 1, 1974
USE BR-3 Reactor

Belgian Reactor-3/Vulcain
DA December 1, 1974
USE BR-3-VN Reactor

Belgian Reactor 02
DA December 1, 1974
USE BR-02 Reactor

BELGIUM [01]
DA December 1, 1974
BT1 Developed Countries
BT1 Western Europe
BT2 Europe
RT OECD

BELIZE
DA December 10, 1979
BT1 Central America
BT2 Latin America

Bell Inequality
DA November 17, 1976
USE Bell Theorem

BELL REACTOR [01]
DA December 1, 1974
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

BELL THEOREM [01]
DA November 17, 1976
UF *Bell Inequality*
RT Hidden Variables
RT Quantum Mechanics
DEF A theorem proving certain quantum mechanical predictions are inconsistent with the entire family of local hidden variable theories

BELLEFONTE-1 REACTOR [01]
(Scottsboro, Alabama)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

BELLEFONTE-2 REACTOR [01]
(Scottsboro, Alabama)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

BELLEVILLE SUR LOIRE-1 REACTOR [01]
DA September 5, 1984
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

BELLEVILLE SUR LOIRE-2 REACTOR [01]
DA September 5, 1984
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

BELLOWS [01]
DA January 20, 1975
BT1 Mechanical Structures

RT Expansion Joints
DEF Mechanical structures with walls like those of an accordion.

BELOYARSK-1 REACTOR [01]
(Zarechnyy, Sverdlovsk, USSR)
DA December 1, 1974
UF *BNPS-1 Reactor*
SF *Urals Atomic Power Station*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 LWGR Type Reactors
BT2 Graphite Moderated Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

BELOYARSK-2 REACTOR [01]
(Zarechnyy, Sverdlovsk, USSR)
DA December 1, 1974
UF *BNPS-2 Reactor*
SF *Urals Atomic Power Station*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 LWGR Type Reactors
BT2 Graphite Moderated Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

BELOYARSK-3 REACTOR [01]
(Zarechnyy, Sverdlovsk, USSR)
DA December 1, 1974
UF *BN-600 Reactor*
SF *Urals Atomic Power Station*
BT1 LMFBR Type Reactors
BT2 FBR Type Reactors
BT3 Breeder Reactors
BT4 Reactors
BT3 Fast Reactors
BT4 Epithermal Reactors
BT5 Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Sodium Cooled Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors
RT Enriched Uranium Reactors
RT Plutonium Reactors

BELOYARSK-4 REACTOR [01]
(Zarechnyy, Sverdlovsk, USSR.)
DA February 13, 1990
BT1 LMFBR Type Reactors
BT2 FBR Type Reactors
BT3 Breeder Reactors
BT4 Reactors
BT3 Fast Reactors
BT4 Epithermal Reactors
BT5 Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Sodium Cooled Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors

BELT CONVEYORS [01]
DA August 12, 1980
BT1 Conveyors
BT2 Haulage Equipment
BT3 Materials Handling Equipment
BT4 Equipment
RT Coal Mining
RT Mining

BELT PINCH [01]
DA December 1, 1974
BT1 Longitudinal Pinch
BT2 Pinch Effect

BELYAEV THEORY [01]
DA December 1, 1974
RT Superconductivity

BENCH-SCALE EXPERIMENTS [01]
DA January 23, 1975
UF *Laboratory Scale Experiments*
RT Demonstration Plants
RT Feasibility Studies
RT Field Tests
RT Laboratory Equipment
RT Process Development Units
RT Testing

BENCHMARKS [01]
DA September 11, 1978
RT Data
RT Standardization
RT Standards

BENDING [01]
DA December 1, 1974
BT1 Deformation
RT Flexural Strength

BENFIELD PROCESS
DA January 24, 1975
BT1 Desulfurization
BT2 Chemical Reactions
DEF Process for removal of CO_2, H_2S, and COS from sour natural gas and raw gases produced during manufacture of substitute natural gas by partial oxidation of coal or oil or by naphtha reforming.

BENHAM EVENT [01]
DA December 1, 1974
BT1 Bowline Operation
BT2 Nuclear Explosions
BT3 Explosions
BT2 Underground Explosions
BT3 Explosions
RT Seismic Detection

Beni Oil
DA December 1, 1974
USE Sesame Oil

BENIN [01]
DA July 18, 1981
BT1 Africa
NT1 Dahomey

BENIOFF ZONE
DA June 4, 1985
RT Earthquakes
RT Hypocenters
RT Plate Tectonics
RT Subduction Zones
DEF A plane dipping beneath the coninents along which earthquake foci cluster. It corresponds to the upper surface of a descending plate.

Benne Oil
DA December 1, 1974
USE Sesame Oil

BENTHOS [01]
DA July 7, 1976
BT1 Aquatic Organisms
NT1 Echinoderms
NT2 Sea Urchins
RT Aquatic Ecosystems
RT Molluscs
DEF Aquatic bottom dwelling organisms.

BENTONITE [01]
DA December 1, 1974
BT1 Clays
BT1 Inorganic Ion Exchangers
BT2 Ion Exchange Materials
BT3 Materials
RT Montmorillonite
DEF A soft, plastic, porous, light-colored rock consisting largely of coloidal silica and composed essentially of clay minerals (chiefly of the montmorillonite group).

BENZALDEHYDE [01]
DA December 1, 1974
UF *Benzoic Aldehyde*
BT1 Aldehydes
BT2 Organic Compounds

BENZANTHRACENE [01]
DA December 1, 1974
BT1 Condensed Aromatics
BT2 Aromatics
BT3 Organic Compounds
BT1 Hydrocarbons
BT2 Organic Compounds

BENZEDRINE [01]
DA December 1, 1974
UF *Phenylisopropylamine*
BT1 Amines
BT2 Organic Compounds
BT1 Sympathomimetics
BT2 Autonomic Nervous System Agents
BT3 Drugs

BENZENE [01]
DA December 1, 1974
BT1 Aromatics
BT2 Organic Compounds
BT1 Hydrocarbons
BT2 Organic Compounds
RT Aniline
RT Nitrobenzene

Benzenedicarboxylic Acid-ortho
DA December 1, 1974
USE Phthalic Acid

Benzenedicarboxylic Acid-para
DA December 1, 1974
USE Terephthalic Acid

BENZHYDROL [01]
DA December 1, 1974
UF *Benzohydrol*
UF *Diphenylcarbinol*
UF *Diphenylmethanol*
BT1 Alcohols
BT2 Hydroxy Compounds
BT3 Organic Compounds

BENZIDINE [01]
DA December 1, 1974
UF *Biphenyldiamine*
UF *Diaminobiphenyl*
BT1 Amines
BT2 Organic Compounds
BT1 Aromatics
BT2 Organic Compounds
RT Biphenyl
RT Congo Red

BENZILIC ACID [01]
DA December 1, 1974
UF *Diphenylglycolic Acid*
UF *Hydroxydiphenylacetic Acid*
BT1 Hydroxy Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds

BENZIMIDAZOLES [01]
DA December 1, 1974
BT1 Imidazoles
BT2 Azoles
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds

Benzine
DA December 17, 1975
USE Ligroin

BENZOFURANS [01]
DA December 1, 1974
BT1 Furans
BT2 Heterocyclic Compounds
BT3 Organic Compounds
BT2 Organic Oxygen Compounds
BT3 Organic Compounds
RT Organic Polymers
RT Psoralen

Benzohydrol
DA December 1, 1974
USE Benzhydrol

BENZOHYDROXAMIC ACID [01]
DA December 1, 1974
BT1 Hydroxamic Acids
BT2 Amines
BT3 Organic Compounds
BT2 Hydroxy Compounds
BT3 Organic Compounds
RT Benzoic Acid

BENZOIC ACID [01]
DA December 1, 1974
BT1 Monocarboxylic Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
RT Benzohydroxamic Acid
RT Benzoyl Peroxide
RT Hypaque

Benzoic Aldehyde
DA December 1, 1974
USE Benzaldehyde

BENZOINOXIME [01]
DA December 1, 1974
BT1 Oximes
BT2 Amines
BT3 Organic Compounds
BT2 Hydroxy Compounds
BT3 Organic Compounds
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds

BENZOPHENONE [01]
DA December 1, 1974
UF *Diphenyl Ketone*
BT1 Ketones
BT2 Organic Compounds

BENZOPINACOL [01]
DA December 1, 1974
UF *Tetraphenylethylene Glycol*
BT1 Glycols
BT2 Alcohols
BT3 Hydroxy Compounds
BT4 Organic Compounds

BENZOPYRENE [01]
DA December 1, 1974
BT1 Condensed Aromatics
BT2 Aromatics
BT3 Organic Compounds
BT1 Hydrocarbons
BT2 Organic Compounds

Benzopyrroles
DA December 1, 1974
USE Indoles

BENZOQUINONES [01]
DA December 1, 1974
UF *Chinone*
UF *Quinone*
BT1 Quinones
BT2 Aromatics
BT3 Organic Compounds
BT2 Organic Oxygen Compounds
BT3 Organic Compounds
NT1 Chloranil
NT1 Chloranilic Acid
NT1 Plastoquinone
NT1 Quinhydrone
NT1 Ubiquinone

BENZOTHIAZOLES [01]
DA December 1, 1974
BT1 Thiazoles
BT2 Azoles
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
BT2 Organic Sulfur Compounds
BT3 Organic Compounds

Benzothiophenes
DA December 1, 1974
USE Thionaphthenes

BENZOXAZOLES [01]
DA December 1, 1974
BT1 Oxazoles
BT2 Azoles
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
BT2 Organic Oxygen Compounds
BT3 Organic Compounds

BENZOYL PEROXIDE [01]
DA December 1, 1974
BT1 Organic Oxygen Compounds
BT2 Organic Compounds
BT1 Peroxides
BT2 Oxygen Compounds
RT Benzoic Acid

BENZOYL RADICALS [01]
DA December 1, 1974
BT1 Radicals

Benzoylaminoacetic Acid
DA December 1, 1974
USE Hippuric Acid

BENZOYLATION [01]
DA December 1, 1974
BT1 Acylation
BT2 Chemical Reactions

Benzoylglycine
DA December 1, 1974
USE Hippuric Acid

Benzoylglycocoll
DA December 1, 1974
USE Hippuric Acid

Benzoylphenylhydroxylamine
DA December 1, 1974
USE BPH

BENZYL ALCOHOL [01]
DA February 23, 1982
UF *Phenylcarbinol*
BT1 Alcohols
BT2 Hydroxy Compounds
BT3 Organic Compounds
BT1 Aromatics
BT2 Organic Compounds

BENZYL RADICALS [01]
DA December 1, 1974
BT1 Aryl Radicals
BT2 Radicals

BEPO REACTOR [01]
DA December 1, 1974
UF *British Experimental Pile Operation*
BT1 Air Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Graphite Moderated Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

BEPPU GEOTHERMAL FIELD [01]
DA September 19, 1977
BT1 Geothermal Fields
RT Japan

BER-2 REACTOR [01]
(Hahn-Meitner Institute fuer Kernforschung GmbH, Berlin, Federal Republic of Germany)
DA December 1, 1974
UF *Berlin-2 Research Reactor*
UF *Forschungsreaktor Berlin-2*
BT1 Aqueous Homogeneous Reactors
BT2 Liquid Homogeneous Reactors
BT3 Fluid Fueled Reactors
BT4 Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

BERGBAUFORSCHUNG-FOSTER WHEELER PROCESS
DA April 12, 1977
UF *BF-WF Process*
BT1 Desulfurization
BT2 Chemical Reactions
RT Bergbauforschung Process
RT Denitrification
RT Waste Processing
DEF Dry process using a moving bed of char to adsorb sulfur dioxide, nitrogen oxides, and particulates from flue gas and produce elemental sulfur. Unique features include louvered, moving bed adsorber, hot inert sand for thermal regeneration of char, and utilizing coal to reduce sulfur dioxide to sulfur.

BERGBAUFORSCHUNG PROCESS
DA September 19, 1977
BT1 Desulfurization
BT2 Chemical Reactions
RT Bergbauforschung-Foster Wheeler Process
RT Waste Processing
DEF SO_2 removal at 120 to 150^{0}C by adsorption on activated cokes with sulfur recovery.

BERGIUS PROCESS
DA January 23, 1975
BT1 Coal Liquefaction
BT2 Liquefaction
BT3 Thermochemical Processes
DEF Catalytic conversion of coal to synthetic crude oil by treatment with hydrogen at elevated pressures and temperatures.

BERING SEA [01]
DA December 1, 1974
BT1 Pacific Ocean
BT2 Seas
BT3 Surface Waters
RT Aleutian Islands

Berkeley Bevalac
DA May 3, 1979
USE Bevalac

Berkeley Escar Storage Ring
DA May 9, 1979
USE Escar Storage Ring

Berkeley Nuclear Laboratory Reactor
DA January 28, 1975
USE BNL Reactor

BERKELEY REACTOR [01]
(River Severn, Gloucestershire, UK)
DA December 1, 1974
BT1 Carbon Dioxide Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Magnox Type Reactors
BT2 GCR Type Reactors
BT3 Gas Cooled Reactors
BT4 Reactors
BT3 Graphite Moderated Reactors
BT4 Reactors
BT2 Natural Uranium Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

Berkeley Superhilac
DA December 1, 1974
USE SuperHilac

BERKELEY SYNCHROCYCLOTRON [01]
DA December 1, 1974
BT1 Synchrocyclotrons
BT2 Cyclic Accelerators
BT3 Accelerators

Berkeley TRIGA Reactor
DA December 1, 1974
USE UCBRR Reactor

BERKELIUM [01]
DA December 1, 1974
BT1 Actinides
BT2 Metals
BT3 Elements
BT1 Transplutonium Elements
BT2 Transuranium Elements
BT3 Elements

BERKELIUM 240 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Berkelium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

BERKELIUM 241 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Berkelium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

BERKELIUM 242 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Berkelium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BERKELIUM 243 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Berkelium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BERKELIUM 244 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Berkelium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BERKELIUM 245 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Berkelium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BERKELIUM 246 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Berkelium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

BERKELIUM 247 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Berkelium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BERKELIUM 248 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Berkelium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

BERKELIUM 249 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Berkelium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BERKELIUM 249 TARGET [01]
DA November 1, 1976
BT1 Targets

BERKELIUM 250 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Berkelium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes

BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

BERKELIUM 251 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Berkelium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

Berkelium Additions
(Prior to August 1993 this was a valid descriptor.)
DA January 20, 1975
USE Alloys

BERKELIUM ALLOYS [01]
DA October 23, 1978
BT1 Actinide Alloys
BT2 Alloys

BERKELIUM ARSENIDES [01]
DA October 23, 1978
BT1 Arsenides
BT2 Arsenic Compounds
BT2 Pnictides
BT1 Berkelium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds

BERKELIUM BORIDES [01]
DA December 1, 1974
BT1 Berkelium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Borides
BT2 Boron Compounds

BERKELIUM BROMIDES [01]
DA December 1, 1974
BT1 Berkelium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds

BERKELIUM CARBIDES [01]
DA December 1, 1974
BT1 Berkelium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Carbides
BT2 Carbon Compounds

BERKELIUM CARBONATES [01]
DA December 1, 1974
BT1 Berkelium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Carbonates
BT2 Carbon Compounds
BT2 Oxygen Compounds

BERKELIUM CHLORIDES [01]
DA December 1, 1974
BT1 Berkelium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds

BERKELIUM COMPLEXES [01]
DA December 1, 1974
BT1 Actinide Complexes
BT2 Complexes
BT1 Transuranium Complexes

BERKELIUM COMPOUNDS [01]
DA December 1, 1974
BT1 Actinide Compounds
BT1 Transplutonium Compounds
BT2 Transuranium Compounds
NT1 Berkelium Arsenides
NT1 Berkelium Borides
NT1 Berkelium Bromides
NT1 Berkelium Carbides
NT1 Berkelium Carbonates
NT1 Berkelium Chlorides
NT1 Berkelium Fluorides
NT1 Berkelium Hydrides
NT1 Berkelium Hydroxides
NT1 Berkelium Iodides
NT1 Berkelium Nitrates
NT1 Berkelium Nitrides
NT1 Berkelium Oxides
NT1 Berkelium Phosphates
NT1 Berkelium Phosphides
NT1 Berkelium Selenides
NT1 Berkelium Silicates
NT1 Berkelium Sulfates
NT1 Berkelium Sulfides
NT1 Berkelium Tellurides

BERKELIUM FLUORIDES [01]
DA December 1, 1974
BT1 Berkelium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds

BERKELIUM HYDRIDES [01]
DA December 1, 1974
BT1 Berkelium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Hydrides
BT2 Hydrogen Compounds

BERKELIUM HYDROXIDES [01]
DA December 1, 1974
BT1 Berkelium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds

BERKELIUM IODIDES [01]
DA December 1, 1974
BT1 Berkelium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds

BERKELIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

BERKELIUM ISOTOPES [01]
DA December 1, 1974
BT1 Actinide Isotopes
BT2 Isotopes
NT1 Berkelium 240
NT1 Berkelium 241
NT1 Berkelium 242
NT1 Berkelium 243
NT1 Berkelium 244
NT1 Berkelium 245
NT1 Berkelium 246
NT1 Berkelium 247
NT1 Berkelium 248
NT1 Berkelium 249
NT1 Berkelium 250
NT1 Berkelium 251

BERKELIUM NITRATES [01]
DA December 1, 1974
BT1 Berkelium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds

BERKELIUM NITRIDES [01]
DA December 1, 1974
BT1 Berkelium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides

BERKELIUM OXIDES [01]
DA December 1, 1974
BT1 Berkelium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds

BERKELIUM PHOSPHATES [01]
DA December 1, 1974
BT1 Berkelium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds

BERKELIUM PHOSPHIDES [01]
DA October 23, 1978
BT1 Berkelium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Phosphides
BT2 Phosphorus Compounds
BT2 Pnictides

BERKELIUM SELENIDES [01]
DA October 23, 1978
BT1 Berkelium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Selenides
BT2 Chalcogenides
BT2 Selenium Compounds

BERKELIUM SILICATES [01]
DA December 1, 1974
BT1 Berkelium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Silicates
BT2 Oxygen Compounds
BT2 Silicon Compounds

BERKELIUM SULFATES [01]
DA December 1, 1974
BT1 Berkelium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds

BERKELIUM SULFIDES [01]
DA December 1, 1974
BT1 Berkelium Compounds

BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds

BERKELIUM TELLURIDES [01]
DA October 23, 1978
BT1 Berkelium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds

Berl Saddles
DA December 1, 1974
USE Column Packing

Berlin-2 Research Reactor
DA December 1, 1974
USE BER-2 Reactor

Berms
DA September 26, 1979
USE Earth Berms

BERMUDA [01]
DA June 6, 1980
BT1 Islands
BT1 United Kingdom
BT2 Developed Countries
BT2 Western Europe
BT3 Europe
RT Atlantic Ocean

BERNOULLI LAW [01]
DA December 1, 1974
RT Fluid Flow

BERNSTEIN MODE [01]
DA December 1, 1974
BT1 Oscillation Modes
RT Cyclotron Harmonics

BERRIES [01]
DA December 1, 1974
BT1 Fruits
BT2 Food
NT1 Blueberries

BERYL [01]
DA December 1, 1974
BT1 Silicate Minerals
BT2 Minerals
RT Beryllium Silicates

Beryllia
DA May 3, 1979
USE Beryllium Oxides

BERYLLIOSIS [01]
DA December 1, 1974
BT1 Pneumoconioses
BT2 Respiratory System Diseases
BT3 Diseases
RT Beryllium Compounds

BERYLLIUM [01]
DA December 1, 1974
UF *Beryllium Moderators*
BT1 Alkaline Earth Metals
BT2 Metals
BT3 Elements
NT1 Beryllium-Alpha
NT1 Beryllium-Beta
RT Moderators

BERYLLIUM 5 [01]
DA December 1, 1974
BT1 Beryllium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei

BERYLLIUM 6 [01]
DA December 1, 1974
BT1 Beryllium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei

BERYLLIUM 6 TARGET [01]
DA May 7, 1977
BT1 Targets

BERYLLIUM 7 [01]
DA December 1, 1974
BT1 Beryllium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
RT Beryllium 7 Beams
RT Beryllium 7 Reactions

BERYLLIUM 7 BEAMS [01]
DA December 1, 1974
BT1 Radioactive Ion Beams
BT2 Ion Beams
BT3 Beams
RT Beryllium 7

BERYLLIUM 7 REACTIONS [01]
DA October 25, 1985
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions
RT Beryllium 7

BERYLLIUM 7 TARGET [01]
DA December 16, 1976
BT1 Targets

BERYLLIUM 8 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beryllium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BERYLLIUM 8 REACTIONS [01]
DA January 30, 1981
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

BERYLLIUM 8 TARGET [01]
DA March 28, 1979
BT1 Targets

BERYLLIUM 9 [01]
DA December 1, 1974
BT1 Beryllium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
RT Beryllium 9 Beams

BERYLLIUM 9 BEAMS [01]
DA December 1, 1974
BT1 Ion Beams
BT2 Beams
RT Beryllium 9

BERYLLIUM 9 REACTIONS [01]
DA December 1, 1974
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

BERYLLIUM 9 TARGET [01]
DA July 9, 1976
BT1 Targets

BERYLLIUM 10 [01]
DA December 1, 1974
BT1 Beryllium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BERYLLIUM 10 TARGET [01]
DA July 9, 1976
BT1 Targets

BERYLLIUM 11 [01]
DA December 1, 1974
BT1 Beryllium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BERYLLIUM 11 TARGET [01]
DA October 23, 1979
BT1 Targets

BERYLLIUM 12 [01]
DA December 1, 1974
BT1 Beryllium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BERYLLIUM 13 [01]
DA December 1, 1974
BT1 Beryllium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei

BERYLLIUM 14 [01]
DA December 1, 1974
BT1 Beryllium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Beta-Minus Decay Radioisotopes

BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BERYLLIUM ADDITIONS [01]
DA December 1, 1974
BT1 Beryllium Alloys
BT2 Alloys

BERYLLIUM ALLOYS [01]
DA December 1, 1974
BT1 Alloys
NT1 Beryllium Additions
NT1 Beryllium Base Alloys
NT1 HAVAR
RT Moderators

BERYLLIUM-ALPHA [01]
DA December 1, 1974
BT1 Beryllium
BT2 Alkaline Earth Metals
BT3 Metals
BT4 Elements

BERYLLIUM BASE ALLOYS [01]
DA December 1, 1974
BT1 Beryllium Alloys
BT2 Alloys

BERYLLIUM-BETA [01]
DA December 1, 1974
BT1 Beryllium
BT2 Alkaline Earth Metals
BT3 Metals
BT4 Elements

BERYLLIUM BORIDES [01]
DA December 1, 1974
BT1 Beryllium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Borides
BT2 Boron Compounds

BERYLLIUM BROMIDES [01]
DA December 1, 1974
BT1 Beryllium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds

BERYLLIUM CARBIDES [01]
DA December 1, 1974
BT1 Beryllium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Carbides
BT2 Carbon Compounds

BERYLLIUM CARBONATES [01]
DA December 1, 1974
BT1 Beryllium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Carbonates
BT2 Carbon Compounds
BT2 Oxygen Compounds

BERYLLIUM CHLORIDES [01]
DA December 1, 1974
BT1 Beryllium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds

BERYLLIUM COMPLEXES [01]
DA December 1, 1974
BT1 Alkaline Earth Metal Complexes
BT2 Complexes

BERYLLIUM COMPOUNDS [01]
DA December 1, 1974
BT1 Alkaline Earth Metal Compounds
NT1 Beryllium Borides
NT1 Beryllium Bromides
NT1 Beryllium Carbides
NT1 Beryllium Carbonates
NT1 Beryllium Chlorides
NT1 Beryllium Fluorides
NT1 Beryllium Hydrides
NT1 Beryllium Hydroxides
NT1 Beryllium Iodides
NT1 Beryllium Nitrates
NT1 Beryllium Nitrides
NT1 Beryllium Oxides
NT1 Beryllium Phosphates
NT1 Beryllium Phosphides
NT1 Beryllium Selenides
NT1 Beryllium Silicates
NT2 Helvite
NT1 Beryllium Sulfates
NT1 Beryllium Sulfides
NT1 Beryllium Tellurides
NT1 Gadolinite
RT Berylliosis
RT Moderators

BERYLLIUM FLUORIDES [01]
DA December 1, 1974
BT1 Beryllium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
RT Flibe

BERYLLIUM HYDRIDES [01]
DA December 1, 1974
BT1 Beryllium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Hydrides
BT2 Hydrogen Compounds

BERYLLIUM HYDROXIDES [01]
DA December 1, 1974
BT1 Beryllium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds

BERYLLIUM IODIDES [01]
DA December 1, 1974
BT1 Beryllium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds

BERYLLIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

BERYLLIUM ISOTOPES [01]
DA December 1, 1974
BT1 Alkaline Earth Isotopes
BT2 Isotopes
NT1 Beryllium 5
NT1 Beryllium 6
NT1 Beryllium 7
NT1 Beryllium 8
NT1 Beryllium 9
NT1 Beryllium 10
NT1 Beryllium 11
NT1 Beryllium 12
NT1 Beryllium 13
NT1 Beryllium 14

BERYLLIUM MODERATED REACTORS [01]
DA December 1, 1974
BT1 Metal Moderated Reactors
BT2 Reactors
NT1 Agata Reactor
NT1 BR-02 Reactor
NT1 EBOR Reactor
NT1 ITR Reactor
NT1 Maria Reactor
NT1 Nuclear Furnace Reactor

Beryllium Moderators
DA December 1, 1974
USE Beryllium

BERYLLIUM NITRATES [01]
DA December 1, 1974
BT1 Beryllium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds

BERYLLIUM NITRIDES [01]
DA December 1, 1974
BT1 Beryllium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides

BERYLLIUM OXIDES [01]
DA December 1, 1974
UF *Beryllia*
BT1 Beryllium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds
RT Chrysoberyl
RT Moderators

BERYLLIUM PHOSPHATES [01]
DA December 1, 1974
BT1 Beryllium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds

BERYLLIUM PHOSPHIDES [01]
DA June 2, 1977
BT1 Beryllium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Phosphides
BT2 Phosphorus Compounds
BT2 Pnictides

BERYLLIUM SELENIDES [01]
DA May 7, 1977
BT1 Beryllium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Selenides
BT2 Chalcogenides
BT2 Selenium Compounds

BERYLLIUM SILICATES [01]
DA December 1, 1974
BT1 Beryllium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Silicates
BT2 Oxygen Compounds
BT2 Silicon Compounds
NT1 Helvite
RT Beryl
RT Silicate Minerals

BERYLLIUM SULFATES [01]
DA December 1, 1974
BT1 Beryllium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds

BERYLLIUM SULFIDES [01]
DA December 1, 1974
BT1 Beryllium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds

BERYLLIUM TELLURIDES [01]
DA May 7, 1977
BT1 Beryllium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds

BERYLLON [01]
DA December 1, 1974
UF *DSNADNS*
BT1 Arsonic Acids
BT2 Organic Acids
BT3 Organic Compounds
BT2 Organic Arsenic Compounds
BT3 Organic Compounds
BT1 Azo Dyes
BT2 Azo Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
BT2 Dyes
BT1 Dicarboxylic Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT1 Naphthols
BT2 Phenols
BT3 Aromatics
BT4 Organic Compounds
BT3 Hydroxy Compounds
BT4 Organic Compounds
BT1 Sulfonic Acids
BT2 Organic Acids
BT3 Organic Compounds
BT2 Organic Sulfur Compounds
BT3 Organic Compounds

BESM COMPUTERS [01]
DA December 1, 1974
BT1 Computers

Bessel Differential Equation
DA December 1, 1974
USE Fokker-Planck Equation

BESSEL FUNCTIONS [01]
DA December 1, 1974
UF *Hankel Functions*
BT1 Functions
RT Neumann Series

BESSY STORAGE RING [01]
(Berliner Elektronenspeicherring Gesellschaft Fuer Synchrotronstrahlung.)
DA May 7, 1985
BT1 Storage Rings

Beta Backscattering Gages
DA December 1, 1974
USE Radiometric Gages

Beta Beams (Electrons)
DA June 30, 1975
USE Electron Beams

Beta Beams (Positrons)
DA June 30, 1975
USE Positron Beams

BETA DECAY [01]
(For neutron and nuclear decay.)
DA December 1, 1974
BT1 Nuclear Decay
BT2 Decay
NT1 Beta-Minus Decay
NT2 Double Beta Decay
NT1 Beta-Plus Decay
NT2 Sulfur 28
NT1 Electron Capture Decay
NT2 K Capture
NT2 L Capture
NT2 M Capture
RT Beta Decay Radioisotopes
RT Beta Particles
RT Beta Spectra
RT Fermi Plot
RT Feynman-Gell-Mann Theory
RT Fierz Interference
RT Ft Value
RT Gamow-Teller Rules
RT Internal Ionization
RT Knipp-Uhlenbeck Theory
RT Lee-Yang Theory
RT Sargent Diagrams
RT Semileptonic Decay
RT Two-Component Neutrino Theory
RT Way-Wigner Formula

BETA DECAY RADIOISOTOPES [01]
DA December 1, 1974
BT1 Radioisotopes
BT2 Isotopes
* **NT1** Beta-Minus Decay Radioisotopes
* **NT1** Beta-Plus Decay Radioisotopes
* **NT1** Electron Capture Radioisotopes
NT1 Iron 45
NT1 Niobium 85
NT1 Vanadium 42
NT1 Vanadium 45
RT Beta Decay

BETA-DELAYED NEUTRONS [01]
DA October 12, 1988
BT1 Neutrons
BT2 Nucleons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
RT Beta-Minus Decay
RT Delayed Neutron Precursors
RT Neutron-Rich Isotopes

BETA DETECTION [01]
DA December 1, 1974
BT1 Charged Particle Detection
BT2 Radiation Detection
BT3 Detection
RT Beta Dosimetry
RT Beta Particles
RT Beta Spectrometers
RT Beta Spectroscopy
RT Electron Detection
RT Positron Detection

BETA DOSIMETRY [01]
DA December 1, 1974
BT1 Dosimetry
RT Beta Detection

BETA II DEVICES [01]
(This device was formerly known as 2XIIB.)
DA March 28, 1979
BT1 Magnetic Mirrors
BT2 Open Plasma Devices
BT3 Thermonuclear Devices

BETA-MINUS DECAY [01]
DA December 1, 1974
BT1 Beta Decay
BT2 Nuclear Decay
BT3 Decay
NT1 Double Beta Decay
RT Beta-Delayed Neutrons
RT Beta-Minus Decay Radioisotopes

BETA-MINUS DECAY RADIOISOTOPES [01]
DA December 1, 1974
BT1 Beta Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
NT1 Actinium 226
NT1 Actinium 227
NT1 Actinium 228
NT1 Actinium 229
NT1 Actinium 230
NT1 Actinium 231
NT1 Actinium 232
NT1 Actinium 233
NT1 Actinium 234
NT1 Aluminium 28
NT1 Aluminium 29
NT1 Aluminium 30
NT1 Aluminium 31
NT1 Aluminium 32
NT1 Aluminium 34
NT1 Aluminium 36
NT1 Aluminium 37
NT1 Americium 242
NT1 Americium 244
NT1 Americium 245
NT1 Americium 246
NT1 Americium 247
NT1 Antimony 122
NT1 Antimony 124
NT1 Antimony 125
NT1 Antimony 126
NT1 Antimony 127
NT1 Antimony 128
NT1 Antimony 129
NT1 Antimony 130
NT1 Antimony 131
NT1 Antimony 132
NT1 Antimony 133
NT1 Antimony 134
NT1 Antimony 135
NT1 Antimony 136
NT1 Argon 39
NT1 Argon 41
NT1 Argon 42
NT1 Argon 43
NT1 Argon 44
NT1 Argon 45
NT1 Argon 46
NT1 Arsenic 74
NT1 Arsenic 76
NT1 Arsenic 77
NT1 Arsenic 78
NT1 Arsenic 79
NT1 Arsenic 80
NT1 Arsenic 81
NT1 Arsenic 82
NT1 Arsenic 83
NT1 Arsenic 84
NT1 Arsenic 85
NT1 Arsenic 86
NT1 Arsenic 87
NT1 Astatine 217
NT1 Astatine 218
NT1 Astatine 219
NT1 Astatine 220
NT1 Astatine 221
NT1 Astatine 222
NT1 Astatine 223
NT1 Barium 139
NT1 Barium 140
NT1 Barium 141
NT1 Barium 142
NT1 Barium 143
NT1 Barium 144
NT1 Barium 145
NT1 Barium 146
NT1 Barium 147
NT1 Barium 148
NT1 Barium 149
NT1 Berkelium 248
NT1 Berkelium 249
NT1 Berkelium 250
NT1 Berkelium 251
NT1 Beryllium 10
NT1 Beryllium 11
NT1 Beryllium 12
NT1 Beryllium 14
NT1 Bismuth 210
NT1 Bismuth 211
NT1 Bismuth 212
NT1 Bismuth 213
NT1 Bismuth 214
NT1 Bismuth 215
NT1 Bismuth 216
NT1 Boron 12
NT1 Boron 13
NT1 Boron 14
NT1 Boron 15
NT1 Boron 16
NT1 Boron 17
NT1 Boron 19
NT1 Bromine 80
NT1 Bromine 82
NT1 Bromine 83
NT1 Bromine 84
NT1 Bromine 85
NT1 Bromine 86

NT1 Bromine 87
NT1 Bromine 88
NT1 Bromine 89
NT1 Bromine 90
NT1 Bromine 91
NT1 Bromine 92
NT1 Bromine 93
NT1 Cadmium 113
NT1 Cadmium 115
NT1 Cadmium 117
NT1 Cadmium 118
NT1 Cadmium 119
NT1 Cadmium 120
NT1 Cadmium 121
NT1 Cadmium 122
NT1 Cadmium 123
NT1 Cadmium 124
NT1 Cadmium 125
NT1 Cadmium 126
NT1 Cadmium 127
NT1 Cadmium 128
NT1 Cadmium 130
NT1 Calcium 45
NT1 Calcium 47
NT1 Calcium 49
NT1 Calcium 50
NT1 Calcium 51
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NT1 Yttrium 179
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NT1 Zinc 80
NT1 Zinc 81
NT1 Zirconium 93
NT1 Zirconium 95
NT1 Zirconium 97
NT1 Zirconium 98
NT1 Zirconium 99
NT1 Zirconium 100
NT1 Zirconium 101
NT1 Zirconium 102
RT Beta-Minus Decay

BETA PARTICLES [01]
(Emitted by nuclei.)
DA December 1, 1974
BT1 Charged Particles
RT Beta Decay
RT Beta Detection
RT Beta Sources
RT Electrons
RT Positrons

BETA-PLUS DECAY [01]
DA December 1, 1974
UF *Positron Decay*
BT1 Beta Decay
BT2 Nuclear Decay
BT3 Decay
NT1 Sulfur 28
RT Beta-Plus Decay Radioisotopes
RT Electron Capture Decay

BETA-PLUS DECAY RADIOISOTOPES [01]
DA December 1, 1974
BT1 Beta Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
NT1 Aluminium 22
NT1 Aluminium 23
NT1 Aluminium 24
NT1 Aluminium 25
NT1 Aluminium 26
NT1 Antimony 108
NT1 Antimony 110
NT1 Antimony 111
NT1 Antimony 112
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NT1 Antimony 122
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NT1 Argon 35
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NT1 Neodymium 127
NT1 Neodymium 128
NT1 Neodymium 129
NT1 Neodymium 130
NT1 Neodymium 131
NT1 Neodymium 132

NT1 Neodymium 133
NT1 Neodymium 134
NT1 Neodymium 135
NT1 Neodymium 136
NT1 Neodymium 137
NT1 Neodymium 138
NT1 Neodymium 139
NT1 Neodymium 141
NT1 Neon 17
NT1 Neon 18
NT1 Neon 19
NT1 Neptunium 234
NT1 Nickel 53
NT1 Nickel 55
NT1 Nickel 56
NT1 Nickel 57
NT1 Niobium 83
NT1 Niobium 84
NT1 Niobium 87
NT1 Niobium 88
NT1 Niobium 89
NT1 Niobium 90
NT1 Niobium 92
NT1 Nitrogen 12
NT1 Nitrogen 13
NT1 Osmium 172
NT1 Osmium 173
NT1 Osmium 174
NT1 Osmium 175
NT1 Osmium 176
NT1 Osmium 177
NT1 Osmium 178
NT1 Osmium 179
NT1 Osmium 181
NT1 Osmium 183
NT1 Oxygen 13
NT1 Oxygen 14
NT1 Oxygen 15
NT1 Palladium 95
NT1 Palladium 97
NT1 Palladium 98
NT1 Palladium 99
NT1 Palladium 101
NT1 Phosphorus 26
NT1 Phosphorus 28
NT1 Phosphorus 29
NT1 Phosphorus 30
NT1 Platinum 174
NT1 Platinum 182
NT1 Platinum 183
NT1 Platinum 184
NT1 Platinum 185
NT1 Platinum 187
NT1 Platinum 189
NT1 Polonium 198
NT1 Polonium 199
NT1 Polonium 200
NT1 Polonium 201
NT1 Polonium 202
NT1 Polonium 203
NT1 Polonium 205
NT1 Polonium 207
NT1 Potassium 35
NT1 Potassium 36
NT1 Potassium 37
NT1 Potassium 38
NT1 Potassium 40
NT1 Praseodymium 126
NT1 Praseodymium 129
NT1 Praseodymium 130
NT1 Praseodymium 131
NT1 Praseodymium 132
NT1 Praseodymium 133
NT1 Praseodymium 134
NT1 Praseodymium 135
NT1 Praseodymium 136
NT1 Praseodymium 137
NT1 Praseodymium 138
NT1 Praseodymium 139
NT1 Praseodymium 140
NT1 Promethium 132
NT1 Promethium 133
NT1 Promethium 134
NT1 Promethium 135
NT1 Promethium 136
NT1 Promethium 137
NT1 Promethium 138
NT1 Promethium 139
NT1 Promethium 140
NT1 Promethium 141
NT1 Promethium 142
NT1 Protactinium 230
NT1 Radon 207
NT1 Radon 209

NT1 Rhenium 165
NT1 Rhenium 170
NT1 Rhenium 171
NT1 Rhenium 172
NT1 Rhenium 174
NT1 Rhenium 175
NT1 Rhenium 176
NT1 Rhenium 177
NT1 Rhenium 178
NT1 Rhenium 179
NT1 Rhenium 180
NT1 Rhenium 182
NT1 Rhodium 94
NT1 Rhodium 95
NT1 Rhodium 96
NT1 Rhodium 97
NT1 Rhodium 98
NT1 Rhodium 99
NT1 Rhodium 100
NT1 Rhodium 102
NT1 Rubidium 73
NT1 Rubidium 74
NT1 Rubidium 75
NT1 Rubidium 76
NT1 Rubidium 77
NT1 Rubidium 78
NT1 Rubidium 79
NT1 Rubidium 80
NT1 Rubidium 81
NT1 Rubidium 82
NT1 Rubidium 84
NT1 Rubidium 88
NT1 Ruthenium 92
NT1 Ruthenium 93
NT1 Ruthenium 95
NT1 Samarium 133
NT1 Samarium 134
NT1 Samarium 135
NT1 Samarium 136
NT1 Samarium 137
NT1 Samarium 138
NT1 Samarium 139
NT1 Samarium 140
NT1 Samarium 141
NT1 Samarium 142
NT1 Samarium 143
NT1 Scandium 40
NT1 Scandium 41
NT1 Scandium 42
NT1 Scandium 43
NT1 Scandium 44
NT1 Selenium 65
NT1 Selenium 68
NT1 Selenium 69
NT1 Selenium 70
NT1 Selenium 71
NT1 Selenium 73
NT1 Silicon 24
NT1 Silicon 25
NT1 Silicon 26
NT1 Silicon 27
NT1 Silver 96
NT1 Silver 98
NT1 Silver 99
NT1 Silver 100
NT1 Silver 101
NT1 Silver 102
NT1 Silver 103
NT1 Silver 104
NT1 Silver 105
NT1 Silver 106
NT1 Silver 108
NT1 Sodium 19
NT1 Sodium 20
NT1 Sodium 21
NT1 Sodium 22
NT1 Strontium 76
NT1 Strontium 77
NT1 Strontium 78
NT1 Strontium 79
NT1 Strontium 80
NT1 Strontium 81
NT1 Strontium 83
NT1 Sulfur 28
NT1 Sulfur 29
NT1 Sulfur 30
NT1 Sulfur 31
NT1 Tantalum 165
NT1 Tantalum 166
NT1 Tantalum 167
NT1 Tantalum 168
NT1 Tantalum 169
NT1 Tantalum 170
NT1 Tantalum 171

NT1 Tantalum 172
NT1 Tantalum 173
NT1 Tantalum 174
NT1 Tantalum 175
NT1 Tantalum 176
NT1 Tantalum 177
NT1 Tantalum 178
NT1 Technetium 89
NT1 Technetium 90
NT1 Technetium 91
NT1 Technetium 92
NT1 Technetium 93
NT1 Technetium 94
NT1 Technetium 95
NT1 Technetium 96
NT1 Tellurium 107
NT1 Tellurium 108
NT1 Tellurium 109
NT1 Tellurium 110
NT1 Tellurium 111
NT1 Tellurium 112
NT1 Tellurium 113
NT1 Tellurium 114
NT1 Tellurium 115
NT1 Tellurium 116
NT1 Tellurium 117
NT1 Tellurium 118
NT1 Tellurium 119
NT1 Tellurium 121
NT1 Terbium 141
NT1 Terbium 143
NT1 Terbium 144
NT1 Terbium 145
NT1 Terbium 146
NT1 Terbium 147
NT1 Terbium 148
NT1 Terbium 149
NT1 Terbium 150
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NT1 Terbium 152
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NT1 Terbium 154
NT1 Terbium 156
NT1 Thallium 182
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NT1 Thallium 198
NT1 Thallium 200
NT1 Thulium 148
NT1 Thulium 156
NT1 Thulium 157
NT1 Thulium 158
NT1 Thulium 159
NT1 Thulium 160
NT1 Thulium 161
NT1 Thulium 162
NT1 Thulium 163
NT1 Thulium 164
NT1 Thulium 165
NT1 Thulium 166
NT1 Tin 100
NT1 Tin 102
NT1 Tin 103
NT1 Tin 105
NT1 Tin 106
NT1 Tin 107
NT1 Tin 108
NT1 Tin 109
NT1 Tin 111
NT1 Titanium 39
NT1 Titanium 40
NT1 Titanium 41
NT1 Titanium 42
NT1 Titanium 43
NT1 Titanium 45
NT1 Tungsten 168
NT1 Tungsten 169
NT1 Tungsten 170
NT1 Tungsten 171
NT1 Tungsten 172
NT1 Tungsten 173
NT1 Tungsten 175
NT1 Tungsten 177
NT1 Tungsten 190

NT1 Vanadium 43
NT1 Vanadium 44
NT1 Vanadium 46
NT1 Vanadium 47
NT1 Vanadium 48
NT1 Xenon 110
NT1 Xenon 111
NT1 Xenon 112
NT1 Xenon 113
NT1 Xenon 114
NT1 Xenon 115
NT1 Xenon 116
NT1 Xenon 117
NT1 Xenon 118
NT1 Xenon 119
NT1 Xenon 120
NT1 Xenon 121
NT1 Xenon 122
NT1 Xenon 123
NT1 Xenon 125
NT1 Ytterbium 153
NT1 Ytterbium 158
NT1 Ytterbium 160
NT1 Ytterbium 161
NT1 Ytterbium 162
NT1 Ytterbium 163
NT1 Ytterbium 164
NT1 Ytterbium 165
NT1 Ytterbium 167
NT1 Yttrium 79
NT1 Yttrium 80
NT1 Yttrium 81
NT1 Yttrium 82
NT1 Yttrium 83
NT1 Yttrium 84
NT1 Yttrium 85
NT1 Yttrium 86
NT1 Yttrium 87
NT1 Yttrium 88
NT1 Zinc 57
NT1 Zinc 59
NT1 Zinc 60
NT1 Zinc 61
NT1 Zinc 62
NT1 Zinc 63
NT1 Zinc 65
NT1 Zirconium 81
NT1 Zirconium 82
NT1 Zirconium 83
NT1 Zirconium 84
NT1 Zirconium 85
NT1 Zirconium 87
NT1 Zirconium 89
RT Beta-Plus Decay

BETA RADIOGRAPHY [01]
DA January 20, 1975
BT1 Industrial Radiography
DEF A technique for examining papers, thin foils, and other thin materials.

BETA RATIO [01]
DA December 1, 1974
RT High-Beta Plasma
RT Low-Beta Plasma
RT Magnetic Fields
RT Medium-Beta Plasma
RT Plasma
RT Plasma Pressure

BETA SOURCES [01]
DA December 1, 1974
BT1 Particle Sources
BT2 Radiation Sources
RT Beta Particles

BETA SPECTRA [01]
DA December 1, 1974
BT1 Spectra
RT Beta Decay
RT Beta Spectrometers

BETA SPECTROMETERS [01]
DA December 1, 1974
BT1 Spectrometers
BT2 Measuring Instruments
RT Beta Detection
RT Beta Spectra
RT Electron Detection

BETA SPECTROSCOPY [01]
DA December 1, 1974
BT1 Spectroscopy
RT Beta Detection

BETA-W LATTICES [01]
DA December 1, 1974
UF *A-15 Compounds*
BT1 Crystal Lattices
BT2 Crystal Structure

BETAINE [01]
DA December 1, 1974
BT1 Amino Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT1 Lipotropic Factors
BT2 Drugs
BT1 Quaternary Compounds
BT2 Amines
BT3 Organic Compounds
BT2 Ammonium Compounds
RT Carnitine

BETATRON OSCILLATIONS [01]
DA December 1, 1974
BT1 Beam Dynamics
BT1 Oscillations
RT Q-Shift

BETATRONS [01]
DA December 1, 1974
BT1 Cyclic Accelerators
BT2 Accelerators
RT Plasma Betatrons

BETAVOLTAIC CELLS [01]
DA December 1, 1974
BT1 Direct Collection Converters
BT2 Direct Energy Converters
RT Semiconductor Diodes

Bethe-Goldstone Approximation
DA December 1, 1974
USE Bethe-Goldstone Equation

BETHE-GOLDSTONE EQUATION [01]
DA December 1, 1974
UF *Bethe-Goldstone Approximation*
BT1 Equations
RT Many-Body Problem

Bethe-Heitler-Schiff Formula
DA December 1, 1974
USE Bethe-Heitler Theory

BETHE-HEITLER THEORY [01]
DA December 1, 1974
UF *Bethe-Heitler-Schiff Formula*
RT Branching Ratio
RT Bremsstrahlung
RT Pair Production

Bethe-Hurwitz Effect
DA December 1, 1974
USE Hurwitz Effect

Bethe-Placzec Model
DA December 1, 1974
USE Placzec Function

BETHE-SALPETER EQUATION [01]
DA December 1, 1974
BT1 Equations
RT Blankenbecler-Sugar Equations
RT Quantum Field Theory

BETHE-TAIT METHOD [01]
DA December 1, 1974
RT Mathematics
RT Reactor Safety

Bethe-Weizsaecker Relation
DA December 1, 1974
USE Weizsaecker Formula

Bethe-Wiezsaecker Cycle
DA May 3, 1979
USE CNO Cycle

BETTIS [01]
DA December 1, 1974
BT1 US AEC
BT2 US Organizations
BT3 National Organizations
BT1 US DOE
BT2 US Organizations
BT3 National Organizations
BT1 US ERDA
BT2 US Organizations
BT3 National Organizations
RT Pennsylvania

BEVALAC [01]
DA October 1, 1975
UF *Berkeley Bevalac*
BT1 Cyclic Accelerators
BT2 Accelerators
RT Bevatron
RT SuperHilac
DEF A combination of two accelerators at Lawrence Berkeley Laboratory. Heavy ions are injected from the SuperHILAC into the bevatron.

BEVATRON [01]
DA December 1, 1974
BT1 Synchrotrons
BT2 Cyclic Accelerators
BT3 Accelerators
RT Bevalac

BEVERAGE INDUSTRY
DA January 15, 1980
BT1 Industry
RT Food Industry
RT Glass Industry
RT Metal Industry

BEVERAGES [01]
DA December 1, 1974
UF *Coffee*
UF *Juices*
UF *Tea*
UF *Wine*
BT1 Food
RT Diet
RT Drinking Water
RT Ingestion
RT Milk
RT Tea Leaves
RT Tea Plants

BEZNAU-1 REACTOR [01]
(Beznau, Doettingen, Switzerland)
DA December 1, 1974
UF *NOK-1 Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

BEZNAU-2 REACTOR [01]
(Beznau, Doettingen, Switzerland)
DA December 1, 1974
UF *NOK-2 Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

BF3 COUNTERS [01]
DA December 1, 1974
BT1 Neutron Detectors
BT2 Radiation Detectors
BT3 Measuring Instruments
BT1 Proportional Counters
BT2 Radiation Detectors
BT3 Measuring Instruments
RT Moderating Detectors

BF-WF Process
DA April 14, 1977
USE Bergbauforschung-Foster Wheeler Process

BFS
DA May 17, 1991
USE Bundesamt Fuer Strahlenschutz

BFS REACTOR
(Obninsk fast assembly.)
DA January 20, 1975
BT1 Fast Reactors
BT2 Epithermal Reactors
BT3 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

BGC-LURGI SLAGGING PROCESS [01]
DA March 10, 1982
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes

BGO DETECTORS [01]
DA July 10, 1984
UF *Bismuth Germanate Detectors*
BT1 Solid Scintillation Detectors
BT2 Scintillation Counters
BT3 Radiation Detectors
BT4 Measuring Instruments

BGRR REACTOR [01]
(Brookhaven National Laboratory, Upton, New York)
DA December 1, 1974
UF *Brookhaven Graphite Research Reactor*
BT1 Air Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Graphite Moderated Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors

Bhabha Atomic Research Center
DA May 5, 1975
USE BARC

BHABHA SCATTERING [01]
DA December 1, 1974
BT1 Elastic Scattering
BT2 Scattering
RT Moeller Scattering
RT Quantum Electrodynamics

BHUTAN [01]
DA February 13, 1990
BT1 Asia
BT1 Developing Countries

BHWR TYPE REACTORS [01]
DA December 1, 1974
UF *Boiling Heavy Water Cooled and Moderated Reactor*
BT1 Heavy Water Cooled Reactors
BT2 Reactors
BT1 Heavy Water Moderated Reactors
BT2 Reactors
NT1 HBWR Reactor
NT1 Marviken Reactor
RT Power Reactors

BI-GAS PROCESS
DA January 24, 1975
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes
RT SNG Processes
DEF Bituminous Coal Research, Inc. process for producing intermediate- or high-Btu gas by reaction of coal with steam in a gasifier operating at 1000-1500 psi and 3000 and 1700°F in stage 1 and stage 2, respectively. The gasifier may be operated on air rather than oxygen at moderate pressures to produce a low-Btu gas.

BIBENZYL [01]
DA December 1, 1974
UF *1,2-Diphenylethane*
BT1 Aromatics
BT2 Organic Compounds

BIBLIOGRAPHIES [01]
(Use only in conjunction with the literary indicator Z for indexing true bibliographies.)
DA December 1, 1974
BT1 Document Types

→**BIBLIS-1 REACTOR [01]**
DA January 22, 1991
UF *Biblis Reactor*
UF *Kernkraftwerk Biblis*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

→**BIBLIS-2 REACTOR [01]**
DA January 22, 1991
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

BIBLIS-3 REACTOR [01]
(Biblis, Hessen, Federal Republic of Germany)
DA November 1, 1976
UF *Biblis-C Reactor*
UF *Kernkraftwerk Biblis-3*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

BIBLIS-4 REACTOR [01]
(Biblis, Hessen, Federal Republic of Germany)
DA November 1, 1976
UF *Biblis-D Reactor*
UF *Kernkraftwerk Biblis-4*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

BIBLIS-A REACTOR
DA April 30, 1975
UF *Biblis Reactor*
UF *Kernkraftwerk Biblis*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

BIBLIS-B REACTOR [01]
(Biblis, Hessen, Federal Republic of Germany)
DA May 15, 1975
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

Biblis-C Reactor
DA November 2, 1976
USE Biblis-3 Reactor

Biblis-D Reactor
DA November 2, 1976
USE Biblis-4 Reactor

Biblis Reactor
(Biblis, Hessen, Federal Republic of Germany)
DA May 13, 1975
USE Biblis-1 Reactor
AND Biblis-A Reactor

Bicarbonates
DA July 23, 1977
USE Acid Carbonates

BICRYSTALS
DA January 20, 1975
BT1 Polycrystals
BT2 Crystals

BICYCLES
DA August 4, 1976
BT1 Vehicles

BIDS
DA June 14, 1978
RT Contracts
RT Cost
RT Energy Policy
RT Leasing
RT Legal Aspects
RT Mineral Resources

BIEDENHARN-ROSE THEORY [01]
DA December 1, 1974
RT Angular Correlation
RT Angular Distribution

BIG ROCK POINT REACTOR [01]
(Charlevoix, Michigan, USA)
DA December 1, 1974
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

BIG TEN REACTOR [01]
DA December 1, 1974
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

BIGR REACTOR [01]
DA February 24, 1987
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Fast Reactors
BT2 Epithermal Reactors
BT3 Reactors
BT1 Graphite Moderated Reactors
BT2 Reactors
BT1 Pulsed Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors

BIKINI [01]
DA December 1, 1974
BT1 Marshall Islands
BT2 Micronesia
BT3 Islands
BT3 Oceania
RT Bravo Event
RT Romeo Event
RT Tewa Event
RT Yankee Event
RT Zuni Event

BILATERAL AGREEMENTS [01]
DA December 1, 1974
BT1 International Agreements
BT2 Agreements
RT Transfrontier Contamination
RT Transfrontier Pollution

Bilbao Argonaut Reactor
DA December 1, 1974
USE ARBI Reactor

BILE [01]
DA December 1, 1974
BT1 Body Fluids
BT2 Biological Materials
BT3 Materials
RT Bile Acids
RT Biliary Tract
RT Bilirubin
RT Biliverdin
RT Stercobilin
RT Urobilinogen

BILE ACIDS [01]
DA December 1, 1974
BT1 Carboxylic Acids
BT2 Organic Acids
BT3 Organic Compounds
BT1 Sterols
BT2 Hydroxy Compounds
BT3 Organic Compounds
BT2 Steroids
BT3 Organic Compounds
NT1 Cholic Acid
RT Bile

Bile Ducts
DA December 1, 1974
USE Biliary Tract

BILIARY TRACT [01]
DA December 1, 1974
UF *Bile Ducts*
UF *Gallbladder*
UF+ *Gallstones*
BT1 Digestive System
RT Bile
RT Glucuronide Conjugates
RT Glutathione Conjugates
RT Liver

BILIBIN REACTOR [01]
(Chukotka Region, USSR)
DA December 1, 1974
UF *Chukotka Reactor*
BT1 Experimental Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 LWGR Type Reactors
BT2 Graphite Moderated Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

BILIRUBIN [01]
DA December 1, 1974
BT1 Heterocyclic Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT2 Heterocyclic Compounds
BT3 Organic Compounds
BT1 Pigments
BT1 Pyrroles
BT2 Azoles
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
RT Bile

BILIVERDIN [01]
DA December 1, 1974
BT1 Heterocyclic Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT2 Heterocyclic Compounds
BT3 Organic Compounds
BT1 Pigments
BT1 Pyrroles
BT2 Azoles
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
RT Bile

Billet Event
DA June 21, 1977
USE Anvil Project

BILLIETITE [01]
DA December 1, 1974
BT1 Barium Oxides
BT2 Barium Compounds
BT3 Alkaline Earth Metal Compounds
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT1 Oxide Minerals
BT2 Minerals
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
BT1 Uranium Oxides
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT2 Uranium Compounds
BT3 Actinide Compounds

Billitonites
DA December 1, 1974
USE Tektites

Bimetallic Corrosion
DA December 1, 1974
USE Electrochemical Corrosion

BIMETALS [01]
DA December 1, 1974
RT Switches

BINARY ALLOY SYSTEMS [01]
DA December 1, 1974
BT1 Alloy Systems

BINARY ENCOUNTER METHOD [01]
DA December 1, 1974
BT1 Calculation Methods
RT Scattering

BINARY FISSION [01]
DA April 4, 1975
BT1 Fission
BT2 Nuclear Reactions

BINARY-FLUID SYSTEMS
DA March 31, 1976
UF *Magmamax Process*
BT1 Energy Systems
RT Geothermal Energy Conversion
RT Geothermal Power Plants
RT Thermodynamic Cycles
DEF A system in which hot fluid is passed through a heat exchanger to transfer heat to a low-boiling point fluid (such as freon or isobutane), which is then used as the working fluid in a vapor-turbine cycle.

BINARY MIXTURES [01]
DA December 1, 1974
BT1 Mixtures
BT2 Dispersions
RT Alloys

BINARY STARS [01]
DA December 1, 1974
BT1 Stars
RT Eruptive Variable Stars
RT Roche Equipotentials
RT Symbiotic Stars

BINDERS [01]
DA December 1, 1974
RT Adhesives
RT Fillers

BINDING ENERGY [01]
(For chemical and nuclear bonding; see also BONDING.)
DA December 1, 1974
UF *Separation Energy*
UF+ *Electron Acceptor*
UF+ *Electron Donor*
BT1 Energy
NT1 Neutron Separation Energy
NT1 Pairing Energy
RT Bond Angle
RT Bond Lengths
RT Chemical Bonds
RT Coulomb Energy
RT Covalence
RT Double Bonds
RT Heitler-London Theory
RT Intermolecular Forces
RT Ionization Potential
RT Majorana Theory
RT Mass Defect
RT Nuclear Forces
RT Work Functions

Bioaccumulation
DA May 17, 1976
USE Biological Accumulation

BIOADSORBENTS [01]
DA December 1, 1974
BT1 Adsorbents
RT Adsorption
RT Decontamination
RT Fungi
RT Liquid Wastes
RT Sorptive Properties
DEF Biological materials with adsorptive capacity.

BIOASSAY [01]
DA December 1, 1974
UF *Biological Testing*
UF *Testing (Biological)*
NT1 Immunoassay
NT2 Enzyme Immunoassay
NT2 Radioimmunoassay
RT Carcinogen Screening
RT Comparative Evaluations
RT Performance Testing
RT Plaque Formation
RT Radioassay
RT Radioreceptor Assay

Biocenoses
DA December 1, 1974
USE Ecosystems

Biochemical Activity
DA December 1, 1974
USE Biochemistry

BIOCHEMICAL FUEL CELLS [01]
DA January 23, 1975
BT1 Fuel Cells
BT2 Direct Energy Converters
BT2 Electrochemical Cells

BIOCHEMICAL OXYGEN DEMAND
DA October 28, 1975
UF *Biological Oxygen Demand*
UF *BOD*
RT Aquatic Ecosystems
RT Biochemistry
RT Chemical Oxygen Demand
RT Dissolved Gases
RT Liquid Wastes
RT Oxygen
DEF The amount of oxygen necessary for the oxidative decomposition of a material by microorganisms. The amount of oxygen consumed in mg/l of water (or waste water) over a period of 5 days at 20°C under laboratory conditions.

BIOCHEMICAL REACTION KINETICS [01]
DA December 1, 1974
BT1 Reaction Kinetics
BT2 Kinetics
RT Biochemistry
RT Biological Markers
RT Enzyme Activity
RT Enzymes
RT Metabolism
RT Protein Engineering

BIOCHEMISTRY [01]
DA December 1, 1974
UF *Biochemical Activity*
BT1 Chemistry
NT1 Blood Chemistry
NT1 Cytochemistry
RT Biochemical Oxygen Demand
RT Biochemical Reaction Kinetics
RT Bioconversion
RT Biodegradation
RT Biology
RT Bioluminescence
RT Biosynthesis
RT Coenzymes
RT Enzymes
RT Fermentation
RT Hormones
RT Metabolism
RT Receptors
RT Soil Chemistry
RT Synergism
RT Vitamins

BIOCONVERSION [01]
DA December 22, 1977
SF *Microbial Processes*
NT1 Aerobic Digestion
NT1 Anaerobic Digestion
NT2 BIOGAS Process
NT1 Biophotolysis
NT1 Fermentation
NT2 Vacuum Fermentation
RT Biochemistry
RT Biomass
RT Biotechnology
RT Biothermgas Process
RT Photolysis

BIODEGRADATION [01]
DA June 12, 1975
SF *Microbial Processes*
BT1 Decomposition
BT2 Chemical Reactions
RT Aerobic Conditions
RT Anaerobic Conditions
RT Biochemistry
RT Bioreactors
RT Cellulolytic Activity
RT Detritus
RT Enzymatic Hydrolysis

BIOELECTRICITY [01]
DA July 27, 1982
UF *Neuron Transmission*
BT1 Electricity
RT Electrophysiology
RT Nerve Cells
RT Receptors
RT Stimuli

BIOFLAVONOIDS [01]
DA December 1, 1974
UF *Vitamin P*
BT1 Vitamins

Biofouling
DA August 25, 1976
USE Biological Fouling

Biogas
DA March 23, 1983
USE Methane

BIOGAS PROCESS [01]
DA October 28, 1975
UF *IGT Waste Process*
BT1 Anaerobic Digestion
BT2 Bioconversion
BT2 Digestion
BT2 Waste Processing
BT3 Processing
BT3 Waste Management
BT4 Management
RT Waste Processing Plants
DEF An anaerobic digestion process for converting solid municipal waste and sewage into pipeline quality fuel gas and an odor free, stable solid.

Biogeocenoses
DA December 1, 1974
USE Ecosystems

BIOGEOCHEMISTRY [01]
DA December 1, 1974
BT1 Geochemistry
BT2 Chemistry
RT Biological Evolution
RT Biology
RT Geobotany
RT Mineral Cycling

BIOINTRUSION [01]
DA October 23, 1987
SF *Intrusion*
RT Environmental Exposure Pathway
RT Nuclear Facilities
RT Physical Protection
RT Radioactive Waste Disposal
RT Radioactive Waste Facilities

BIOLOGICAL ACCUMULATION [01]
DA May 13, 1976
UF *Bioaccumulation*
RT Biological Localization
DEF The abnormal or preferential accumulation of a material from the environment by a plant or animal.

BIOLOGICAL ADAPTATION [01]
DA October 28, 1975
UF *Acclimation*
RT Behavior
RT Biological Recovery
RT Biological Variability
RT Ecology
RT Environment
RT Sensitivity
RT Tolerance

BIOLOGICAL AVAILABILITY [01]
DA September 22, 1981
RT Environmental Exposure Pathway
RT Radionuclide Migration
RT Uptake
DEF A measure of the ease with which a substance can be picked up by and incorporated into an organism.

BIOLOGICAL DOSEMETERS [01]
DA December 1, 1974
BT1 Dosemeters
BT2 Measuring Instruments
RT Biological Indicators

BIOLOGICAL EFFECTS [01]
DA December 1, 1974
NT1 Biological Radiation Effects
NT2 Abscopal Radiation Effects
NT2 Delayed Radiation Effects
NT2 Early Radiation Effects
NT2 Genetic Radiation Effects
NT2 Local Radiation Effects
NT3 Osteoradionecrosis
NT3 Radiation Burns
NT3 Radiodermatitis
NT2 Radiation Injuries
NT3 Osteoradionecrosis
NT3 Radiation Burns
NT3 Radiodermatitis
NT1 Genetic Effects
NT2 Genetic Radiation Effects
RT Acute Exposure
RT Biology
RT Biophysics
RT Chronic Exposure
RT Dose-Response Relationships
RT Molecular Biology
RT Morphological Changes
RT Prenatal Exposure
RT Response Modifying Factors
RT Sensitivity
RT Structure-Activity Relationships
RT Survival Curves
RT Synergism
RT Toxicity

BIOLOGICAL EVOLUTION [01]
DA January 20, 1975
UF *Evolution*
RT Biogeochemistry
RT Biological Extinction
RT Biology
RT Geobotany
RT Molecular Biology
RT Paleontology

BIOLOGICAL EXTINCTION
DA October 5, 1982
RT Animals
RT Biological Evolution
RT Ecology
RT Endangered Species
RT Paleontology
RT Plants
RT Populations
RT Species Diversity

BIOLOGICAL FATIGUE [01]
DA December 1, 1974
UF *Fatigue (Biological)*
RT Biological Stress
RT Exercise

Biological Fluids
DA August 22, 1985
SEE Body Fluids

BIOLOGICAL FOULING
DA November 28, 1975
UF *Biofouling*
BT1 Fouling
RT Algae
RT Antifoulants
DEF Fouling by biological organisms, e.g. algae.

BIOLOGICAL FUNCTIONS [01]
(Coordinate with descriptors for the organs or functions involved.)
DA August 24, 1976
UF *Function (Biological)*
RT Biological Pathways
RT Dynamic Function Studies
RT Metabolism
RT Physiology

BIOLOGICAL HALF-LIFE [01]
DA December 1, 1974
UF *Effective Half-Life*
UF *Half-Life (Biological)*
UF *Half-Life (Effective)*
RT Body Burden
RT Radionuclide Kinetics

BIOLOGICAL HOT SPOTS [01]
DA December 1, 1974
UF *Hot Spots (Biological)*
RT Biological Localization
RT Bone Seekers
RT Radionuclide Kinetics
RT Retention

BIOLOGICAL INDICATORS [01]
DA April 29, 1975
UF *Indicator Species*
RT Biological Dosemeters
RT Biological Radiation Effects
RT Blood Cells
RT Blood Plasma
RT Bone Marrow Cells
RT Chromosomal Aberrations
RT Dose-Response Relationships
RT Mutagen Screening
RT Nucleosides
RT Radiation Doses
RT Radiation Injuries

BIOLOGICAL LOCALIZATION [01]
(The concentration of a specific material or a specific effect in a definite location of a biological system.)
DA June 30, 1975
UF *Localization (Biological)*
RT Banding Techniques
RT Biological Accumulation
RT Biological Hot Spots
RT Bone Seekers
RT Radiation Effects
RT Radioecological Concentration
RT Radioisotopes
RT Radionuclide Kinetics
RT Retention
RT Tissue Distribution

BIOLOGICAL MARKERS [01]
DA October 24, 1984
UF *Reference Materials (Bio Mark)*
RT Biochemical Reaction Kinetics
RT Biological Pathways
RT Dynamic Function Studies
RT Metabolism
RT Tracer Techniques

BIOLOGICAL MATERIALS [01]
DA December 1, 1974
UF *Materials (Biological)*
BT1 Materials
NT1 Biological Wastes
NT2 Feces
NT2 Manures
NT2 Sewage Sludge
NT2 Sweat
NT2 Urine
NT1 Body Fluids
NT2 Amniotic Fluid
NT2 Bile
NT2 Blood
NT3 Blood Cells
NT4 Blood Platelets
NT4 Erythrocytes
NT5 Reticulocytes
NT4 Leukocytes
NT5 Basophils
NT5 Eosinophils
NT5 Lymphocytes
NT5 Monocytes
NT5 Natural Killer Cells
NT5 Neutrophils
NT3 Blood Plasma
NT2 Cerebrospinal Fluid
NT2 Gastric Acid
NT2 Lymph
NT2 Milk
NT2 Saliva
NT2 Sweat
NT2 Urine
NT1 Forest Litter
NT1 Plant Sap
NT1 Tissue Extracts
RT Animals
RT Biomass
RT Environmental Materials
RT Food
RT Homogenates
RT Plankton
RT Plants

BIOLOGICAL MODELS [01]
DA December 1, 1974
UF *Models (Biological)*
RT Analog Systems
RT Environmental Exposure Pathway
RT Functional Models
RT Mathematical Models
RT Microcosms
RT Mockup
RT Phantoms

Biological Oxygen Demand
DA January 12, 1981
USE Biochemical Oxygen Demand

BIOLOGICAL PATHWAYS [01]
DA December 20, 1978
UF *Metabolic Pathways*
UF *Mutagenic Pathways*
UF *Mutation Induction Pathways*
UF *Repair Pathways*
RT Biological Functions
RT Biological Markers
RT Biological Repair
RT Metabolic Activation
RT Molecular Biology

BIOLOGICAL RADIATION EFFECTS [01]
DA December 1, 1974
UF *Radiobiological Effects*
BT1 Biological Effects
BT1 Radiation Effects
NT1 Abscopal Radiation Effects
NT1 Delayed Radiation Effects
NT1 Early Radiation Effects
NT1 Genetic Radiation Effects
NT1 Local Radiation Effects
NT2 Osteoradionecrosis
NT2 Radiation Burns
NT2 Radiodermatitis
NT1 Radiation Injuries
NT2 Osteoradionecrosis
NT2 Radiation Burns
NT2 Radiodermatitis
RT Biological Indicators
RT Biological Stress
RT Oxygen Enhancement Ratio
RT Radiation Chimeras
RT Radiation Doses
RT Radiobiology
RT Radioimmunology
RT Radioinduction
RT Radiosensitivity
RT RBE
RT Strand Breaks
RT Teratogenesis

Biological Reactors
DA April 7, 1983
USE Bioreactors

BIOLOGICAL RECOVERY [01]
DA December 1, 1974
UF *Enhanced Recovery (Biological)*
UF *Recovery (Biological)*
UF *Restoration*
SF *Recovery*
NT1 Biological Regeneration
NT1 Biological Repair
NT2 DNA Repair
NT3 Excision Repair
NT2 Host-Cell Reactivation
NT2 Photoreactivation
NT1 Healing
NT1 Liquid Holding Recovery
RT Biological Adaptation
RT Homeostasis
RT Post-Irradiation Therapy
RT Response Modifying Factors
RT Therapy

BIOLOGICAL REGENERATION [01]
DA December 1, 1974
UF *Regenerating Liver*
UF *Regeneration (Biological)*
BT1 Biological Recovery
RT Growth
RT Organs
RT Tissues
RT Viability

BIOLOGICAL REPAIR [01]
DA December 1, 1974
UF *Dark Repair*
UF *Repair (Biological)*
BT1 Biological Recovery
BT1 Repair
NT1 DNA Repair
NT2 Excision Repair
NT1 Host-Cell Reactivation
NT1 Photoreactivation
RT Biological Pathways
RT DNA Polymerases
RT LET
RT Molecular Structure
RT Nucleic Acids
RT Radiation Injuries
RT Ultrastructural Changes

Biological Research Reactor JANUS
DA December 1, 1974
USE JANUS Reactor

BIOLOGICAL SHIELDING [01]
DA December 1, 1974
BT1 Shielding
RT Radiation Protection

BIOLOGICAL SHIELDS [01]
DA December 1, 1974
BT1 Shields

BIOLOGICAL SHOCK [01]
(For all types of shock in biology and medicine.)
DA December 1, 1974
UF *Shock (Biological)*
UF *Shock (Medical)*
UF+ *Traumatic Shock*
BT1 Pathological Changes
RT Anaphylaxis
RT Biological Stress
RT Electric Shock

BIOLOGICAL STRESS [01]
DA December 1, 1974
UF *Stress (Biological)*
RT Anoxia
RT Biological Fatigue
RT Biological Radiation Effects
RT Biological Shock
RT Chronic Exposure
RT Exercise
RT Fasting
RT Heart Failure
RT Hypertension
RT Hypotension
RT Physiology
RT Prenatal Exposure

Biological Testing
DA December 1, 1974
USE Bioassay

BIOLOGICAL VARIABILITY [01]
DA December 1, 1974
UF *Variability (Biological)*
NT1 Genetic Variability
RT Biological Adaptation

BIOLOGICAL WARFARE [01]
DA February 3, 1986
BT1 Warfare
RT Biological Warfare Agents

BIOLOGICAL WARFARE AGENTS
DA February 3, 1986
BT1 Weapons
RT Biological Warfare

BIOLOGICAL WASTES [01]
DA December 1, 1974
UF+ *Radioactive Biological Wastes*

BT1 Biological Materials
BT2 Materials
BT1 Wastes
NT1 Feces
NT1 Manures
NT1 Sewage Sludge
NT1 Sweat
NT1 Urine
RT Agricultural Wastes
RT Excretion
RT Liquid Wastes
RT Organic Wastes
RT Pollutants
RT Solid Wastes

BIOLOGY [01]
DA December 1, 1974
NT1 Anatomy
NT1 Botany
NT2 Geobotany
NT1 Cryobiology
NT1 Cytology
NT1 Genetics
NT1 Radiobiology
NT1 Taxonomy
NT1 Zoology
RT Animals
RT Biochemistry
RT Biogeochemistry
RT Biological Effects
RT Biological Evolution
RT Biosphere
RT Ecosystems
RT Medicine
RT Organs
RT Plants
RT Symbiosis
RT Tissues

BIOLUMINESCENCE [01]
DA October 27, 1980
BT1 Luminescence
RT Biochemistry
RT Photochemistry

BIOMASS [01]
DA July 29, 1975
UF *Standing Crop*
BT1 Renewable Energy Sources
BT2 Energy Sources
RT Autohydrolysis
RT Bioconversion
RT Biological Materials
RT Biomass Plantations
RT Buffalo Gourd
RT Cattails
RT Cellulose
RT Deforestation
RT Harvesting
RT Hemicellulose
RT Lignin
RT Oleoresins
RT Plankton
RT Plants
RT Renewable Resources
RT Simplex Process
RT Solid Fuels
RT Sugar Industry
RT Tumbleweeds
RT Wood
RT Wood Fuels
RT Xylans
DEF All growing organic matter such as plants, trees, grasses, and algae.

BIOMASS CONVERSION PLANTS [01]
(Use only for plants converting biomass to fluid fuels.)
DA October 23, 1979
BT1 Industrial Plants
RT Chemical Plants
RT Ethanol Plants
RT Methanol Plants
RT Synthetic Fuels

BIOMASS PLANTATIONS [01]
DA September 14, 1976
RT Agriculture
RT Biomass
RT Coppices
RT Crops
RT Farms
RT Short Rotation Cultivation
RT Silviculture
DEF Terrestrial or marine areas for the growing and harvesting of energy crops for the collection of energy for conversion into fuels.

BIOMEDICAL RADIOGRAPHY [01]
(See also INDUSTRIAL RADIOGRAPHY.)
DA December 1, 1974
UF *Radiography (Biomedical)*
UF+ *Angiography*
BT1 Diagnostic Techniques
BT1 Radiology
BT2 Nuclear Medicine
BT3 Medicine
NT1 Fluoroscopy
NT1 Ionographic Imaging
NT1 Osteodensitometry
NT1 Renography
RT CAT Scanning
RT Compton Scattering Tomography
RT Computerized Tomography
RT Contrast Media
RT Emission Computed Tomography
RT Microradiography
RT Photon Computed Tomography
RT Photon Transmission Scanning
RT Proton Computed Tomography
RT Proton Radiography
RT Radiological Personnel
RT Sequential Scanning
RT Tomography
RT X Radiation
RT X-Ray Equipment
RT X-Ray Radiography

BIOMIMETIC PROCESSES
DA August 7, 1978
RT Photosynthesis
DEF A method or procedure based on or derived from a living organism by imitation or mimickry. A biomimetic process is predicated on a translation or abstraction of a process used by a living organism for a similar end.

BIOPHOTOLYSIS [01]
DA December 22, 1977
SF *Microbial Processes*
BT1 Bioconversion
BT1 Photolysis
BT2 Decomposition
BT3 Chemical Reactions
BT2 Photochemical Reactions
BT3 Chemical Reactions
RT Hydrogen Production
RT Photosynthesis
DEF The biologically mediated chemical breakdown of a compound using light as an energy source.

BIOPHYSICS [01]
DA December 1, 1974
RT Biological Effects
RT Compartments
RT Molecular Biology
RT Physics
RT Radiation Doses
RT Radiation Effects
RT Radiation Protection
RT Radiations
RT Radiobiology
RT Radionuclide Kinetics

BIOPSY [01]
DA December 1, 1974
BT1 Diagnostic Techniques
RT Autopsy
RT Tissues

BIOREACTORS [01]
(Prior to March 1983 this concept was indexed to CHEMICAL REACTORS.)
DA March 23, 1983
UF *Biological Reactors*
RT Biodegradation
RT Chemical Reactors
RT Oxidation
RT Waste Water
RT Water Treatment

BIOSATELLITES [01]
DA December 1, 1974
BT1 Satellites

BIOSPHERE [01]
DA December 1, 1974
RT Biology
RT Carbon Sources
RT Ecosystems
RT Environment
RT Nature Reserves
RT Populations

BIOSYNTHESIS [01]
DA December 1, 1974
BT1 Synthesis
RT Anabolism
RT Biochemistry
RT Coenzymes
RT Enzyme Induction
RT Enzymes
RT Gene Regulation
RT Ligases
RT Metabolism
RT Molecular Biology
RT Phosphoenolpyruvate
RT Photosynthesis
RT Precursor

BIOT-SAVART LAW [01]
DA December 1, 1974
RT Magnetic Fields

BIOTECHNOLOGY [01]
(The application of principles of technology or engineering to the life sciences.)
DA November 20, 1986
NT1 Genetic Engineering
RT Bioconversion
RT Cell Cultures
RT Commercialization
RT Hybridomas
RT Immobilized Cells
RT Molecular Biology
RT Protein Engineering
RT Recombinant DNA

BIOTHERMGAS PROCESS
DA December 14, 1981
UF *IGT Biothermal Gasification*
BT1 Gasification
BT2 Thermochemical Processes
RT Bioconversion
RT Methane

BIOTHERMOHOL PROCESS
DA July 18, 1981
RT Fermentation
RT Thermochemical Processes
DEF A method developed by IGT for converting biomass to liquid fuels by combining fermentation and thermochemical processes.

BIOTIN [01]
DA December 1, 1974
UF *Vitamin H*
BT1 Heterocyclic Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT2 Heterocyclic Compounds
BT3 Organic Compounds
BT1 Imidazoles
BT2 Azoles
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
BT1 Organic Sulfur Compounds
BT2 Organic Compounds
BT1 Vitamin B Group
BT2 Vitamins

BIOTITE [01]
DA December 1, 1974
BT1 Mica
BT2 Silicate Minerals
BT3 Minerals
RT Granites
DEF A widely distributed and important rock-forming mineral of the mica group: $K(Mg,Fe^{+2})_3(Al,Fe^{+3})Si_3O_{10}(OH)_2$.

BIPHENYL [01]
DA December 1, 1974
UF+ *Dowtherm*
BT1 Aromatics
BT2 Organic Compounds
BT1 Hydrocarbons
BT2 Organic Compounds
RT Benzidine

Biphenyldiamine
DA December 1, 1974
USE Benzidine

Biphosphates
DA September 22, 1980
USE Acid Phosphates

BIPYRIDINES [01]
DA December 1, 1974
UF *Methyl Viologen*
BT1 Pyridines
BT2 Azines
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds

BIR REACTOR [01]
DA March 9, 1987
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Fast Reactors
BT2 Epithermal Reactors
BT3 Reactors
BT1 Pulsed Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors

BIRCHES [01]
DA March 27, 1979
BT1 Magnoliopsida
BT2 Magnoliophyta
BT3 Plants
BT1 Trees
BT2 Plants

BIRDS [01]
DA December 1, 1974
UF+ *Bursa of Fabricius*
BT1 Vertebrates
BT2 Animals
NT1 Fowl
NT2 Chickens
NT2 Ducks
NT2 Geese
NT1 Pigeons
RT Eggs
RT Feathers
RT Newcastle Disease

BIREFRINGENCE
DA July 18, 1979
BT1 Refraction
RT Optical Properties

BIRMINGHAM SYNCHROTRON [01]
DA December 1, 1974
BT1 Synchrotrons
BT2 Cyclic Accelerators
BT3 Accelerators

Birth
DA December 1, 1974
USE Parturition

Bis(2-ethylhexyl)phosphoric Acid
DA December 1, 1974
USE HDEHP

Bis(chlorethyl)amine
DA December 1, 1974
USE Nitrogen Mustard

Bis(phenyloxazolyl)benzene
DA December 1, 1974
USE POPOP

BISCAYNE BAY [01]
DA January 20, 1975
BT1 Atlantic Ocean
BT2 Seas
BT3 Surface Waters
BT1 Bays
BT2 Coastal Waters
BT3 Surface Waters
RT Florida

BISCHOFF PROCESS
DA January 24, 1975
BT1 Lime-Limestone Wet Scrubbing Processes
BT2 Desulfurization
BT3 Chemical Reactions
BT2 Scrubbing
RT Waste Processing
DEF An adjustable wet process that operates with alkaline additives to remove dust and SO_2 from flue gas in a single operation giving savings in space and cost.

Bisethylenedithiolotetrathiafulvalene
DA November 19, 1985
USE BEDT-TTF

BISMUTH [01]
DA December 1, 1974
BT1 Metals
BT2 Elements

BISMUTH 188 [01]
DA November 24, 1980
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Bismuth Isotopes
BT2 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei

BISMUTH 189 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Bismuth Isotopes
BT2 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BISMUTH 190 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Bismuth Isotopes
BT2 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BISMUTH 191 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Bismuth Isotopes
BT2 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BISMUTH 192 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Bismuth Isotopes
BT2 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BISMUTH 193 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Bismuth Isotopes
BT2 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BISMUTH 194 [01]
DA January 21, 1975
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Bismuth Isotopes
BT2 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

BISMUTH 195 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Bismuth Isotopes
BT2 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes

BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

BISMUTH 196 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Bismuth Isotopes
BT2 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

BISMUTH 197 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Bismuth Isotopes
BT2 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

BISMUTH 198 [01]
DA December 1, 1974
BT1 Bismuth Isotopes
BT2 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BISMUTH 199 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Bismuth Isotopes
BT2 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

BISMUTH 200 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Bismuth Isotopes
BT2 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

BISMUTH 201 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Bismuth Isotopes
BT2 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

BISMUTH 202 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Bismuth Isotopes
BT2 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

BISMUTH 203 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Bismuth Isotopes
BT2 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

BISMUTH 204 [01]
DA December 1, 1974
BT1 Bismuth Isotopes
BT2 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

BISMUTH 205 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Bismuth Isotopes
BT2 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei

BISMUTH 206 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Bismuth Isotopes
BT2 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei

BISMUTH 207 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Bismuth Isotopes
BT2 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BISMUTH 207 TARGET [01]
DA March 3, 1978
BT1 Targets

BISMUTH 208 [01]
DA December 1, 1974
BT1 Bismuth Isotopes
BT2 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BISMUTH 208 TARGET [01]
DA November 14, 1978
BT1 Targets

BISMUTH 209 [01]
DA December 1, 1974
BT1 Bismuth Isotopes
BT2 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

BISMUTH 209 BEAMS [01]
DA March 24, 1983
BT1 Ion Beams
BT2 Beams

BISMUTH 209 REACTIONS [01]
DA November 24, 1980
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

BISMUTH 209 TARGET [01]
DA July 9, 1976
BT1 Targets

BISMUTH 210 [01]
DA December 1, 1974
UF *Radium E*
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Bismuth Isotopes
BT2 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BISMUTH 210 TARGET [01]
DA August 24, 1976
BT1 Targets

BISMUTH 211 [01]
DA December 1, 1974
UF *Actinium C*
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Bismuth Isotopes
BT2 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Nanosec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

BISMUTH 212 [01]
DA December 1, 1974
UF *Thorium C*
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Bismuth Isotopes
BT2 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

BISMUTH 213 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Bismuth Isotopes
BT2 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

BISMUTH 214 [01]
DA December 1, 1974
UF *Radium C*
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Bismuth Isotopes
BT2 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

BISMUTH 215 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Bismuth Isotopes
BT2 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

BISMUTH 216 [01]
DA June 21, 1989
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Bismuth Isotopes
BT2 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

BISMUTH ADDITIONS [01]
DA December 1, 1974
BT1 Bismuth Alloys
BT2 Alloys

BISMUTH ALLOYS [01]
DA December 1, 1974
BT1 Alloys
NT1 Bismuth Additions
* **NT1** Bismuth Base Alloys
NT1 Rose-Metal

BISMUTH BASE ALLOYS [01]
DA December 1, 1974
BT1 Bismuth Alloys
BT2 Alloys
NT1 Alloy-Bi50Pb25Cd12Sn12
NT2 Wood Metal
NT1 Cerrobend Alloys
NT1 Lichtenberg Alloy
NT1 Newton-Metal
NT1 Wood Metal

BISMUTH BORIDES [01]
DA June 30, 1975
BT1 Bismuth Compounds
BT1 Borides
BT2 Boron Compounds

BISMUTH BROMIDES [01]
DA December 1, 1974
BT1 Bismuth Compounds
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds

BISMUTH CARBONATES [01]
DA December 1, 1974
BT1 Bismuth Compounds
BT1 Carbonates
BT2 Carbon Compounds
BT2 Oxygen Compounds

BISMUTH CHLORIDES [01]
DA December 1, 1974
BT1 Bismuth Compounds
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds

BISMUTH COMPLEXES [01]
DA December 1, 1974
BT1 Complexes

BISMUTH COMPOUNDS [01]
DA December 1, 1974
UF+ *Bismuth Uranates*
NT1 Bismuth Borides
NT1 Bismuth Bromides
NT1 Bismuth Carbonates
NT1 Bismuth Chlorides
NT1 Bismuth Fluorides
NT1 Bismuth Germanates
NT1 Bismuth Hydrides
NT1 Bismuth Hydroxides
NT1 Bismuth Iodides
NT1 Bismuth Nitrates
NT1 Bismuth Oxides
NT1 Bismuth Phosphates
NT1 Bismuth Selenides
NT1 Bismuth Sulfates
NT1 Bismuth Sulfides
NT1 Bismuth Tellurides
NT1 Bismuth Tungstates

BISMUTH FLUORIDES [01]
DA December 1, 1974
BT1 Bismuth Compounds
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds

Bismuth Germanate Detectors
DA July 10, 1984
USE BGO Detectors

BISMUTH GERMANATES [01]
DA July 7, 1983

BT1 Bismuth Compounds
BT1 Germanates
BT2 Germanium Compounds
BT2 Oxygen Compounds
RT Inorganic Phosphors

BISMUTH HYDRIDES [01]
DA December 1, 1974
BT1 Bismuth Compounds
BT1 Hydrides
BT2 Hydrogen Compounds

BISMUTH HYDROXIDES [01]
DA December 1, 1974
BT1 Bismuth Compounds
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds

BISMUTH IODIDES [01]
DA December 1, 1974
BT1 Bismuth Compounds
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds

BISMUTH IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

BISMUTH ISOTOPES [01]
DA December 1, 1974
BT1 Isotopes
NT1 Bismuth 188
NT1 Bismuth 189
NT1 Bismuth 190
NT1 Bismuth 191
NT1 Bismuth 192
NT1 Bismuth 193
NT1 Bismuth 194
NT1 Bismuth 195
NT1 Bismuth 196
NT1 Bismuth 197
NT1 Bismuth 198
NT1 Bismuth 199
NT1 Bismuth 200
NT1 Bismuth 201
NT1 Bismuth 202
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NT1 Bismuth 204
NT1 Bismuth 205
NT1 Bismuth 206
NT1 Bismuth 207
NT1 Bismuth 208
NT1 Bismuth 209
NT1 Bismuth 210
NT1 Bismuth 211
NT1 Bismuth 212
NT1 Bismuth 213
NT1 Bismuth 214
NT1 Bismuth 215
NT1 Bismuth 216

BISMUTH NITRATES [01]
DA December 1, 1974
BT1 Bismuth Compounds
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds

BISMUTH ORES [01]
DA December 1, 1974
BT1 Ores

BISMUTH OXIDES [01]
DA December 1, 1974
BT1 Bismuth Compounds
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds

BISMUTH PHOSPHATES [01]
DA December 1, 1974
BT1 Bismuth Compounds
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds

BISMUTH SELENIDES [01]
DA January 21, 1975
BT1 Bismuth Compounds
BT1 Selenides
BT2 Chalcogenides
BT2 Selenium Compounds

BISMUTH SULFATES [01]
DA December 1, 1974
BT1 Bismuth Compounds
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds

BISMUTH SULFIDES [01]
DA December 1, 1974
BT1 Bismuth Compounds
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds

BISMUTH TELLURIDES [01]
DA May 15, 1975
BT1 Bismuth Compounds
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds

BISMUTH TUNGSTATES [01]
DA July 23, 1977
BT1 Bismuth Compounds
BT1 Tungstates

Bismuth Uranates
(Prior to January 1993, this was a valid descriptor.)
DA January 21, 1975
USE Bismuth Compounds
AND Uranates

Bisulfates
DA September 22, 1980
USE Acid Sulfates

Bitter Spar
DA March 31, 1976
USE Dolomite

BITUMENS [01]
DA December 1, 1974
UF *Oil Sand Oils*
UF *Tar Sand Oil*
BT1 Tar
BT2 Other Organic Compounds
BT3 Organic Compounds
NT1 Asphalts
NT2 Asphaltenes
NT1 Blown Bitumens
NT1 Carburan
NT1 Thucholite
RT Asphaltite
RT Bituminous Materials
RT Cold-Water Processes
RT Oil Shales
RT Waste Processing

BITUMINOUS COAL [01]
DA January 24, 1975
SF *Soft Coal*
BT1 Black Coal
BT2 Coal
BT3 Carbonaceous Materials
BT4 Materials
BT3 Fossil Fuels
BT4 Energy Sources
BT4 Fuels
RT Subbituminous Coal

BITUMINOUS MATERIALS [01]
DA February 26, 1976
BT1 Carbonaceous Materials
BT2 Materials
NT1 Kerogen
NT1 Oil Sands
NT1 Oil Shales
RT Bitumens
RT Coal Tar
RT Shale Tar
DEF Material containing much organic, or at least carbonaceous, matter, mostly in the form of tarry hydrocarbons which are usually described as bitumen.

BJORKLUND-FERNBACH MODEL [01]
DA December 1, 1974
BT1 Nuclear Models
BT2 Mathematical Models
RT Optical Models

BL LACERTAE OBJECTS [01]
DA March 29, 1980
BT1 Cosmic Radio Sources
RT Eruptive Variable Stars
RT Quasars

BLACK AMERICANS
DA May 18, 1981
UF *American Blacks*
BT1 Minority Groups
BT2 Human Populations
BT3 Populations
RT Sociology

BLACK CHROME
DA October 23, 1978
BT1 Black Coatings
BT2 Coatings
RT Chromium Oxides
RT Solar Absorbers
RT Spectrally Selective Surfaces

BLACK CLAWSON SYSTEM
DA March 22, 1976
BT1 Waste Processing
BT2 Processing
BT2 Waste Management
BT3 Management
RT Municipal Wastes
RT Solid Wastes
RT Waste Processing Plants
DEF Waste processing system for materials and energy recovery by wet processing of municipal wastes.

BLACK COAL
DA January 24, 1975
BT1 Coal
BT2 Carbonaceous Materials
BT3 Materials
BT2 Fossil Fuels
BT3 Energy Sources
BT3 Fuels
NT1 Anthracite
NT1 Bituminous Coal

BLACK COATINGS
DA February 14, 1978
BT1 Coatings
NT1 Black Chrome
NT1 Black Nickel
RT Solar Absorbers
RT Spectrally Selective Surfaces

BLACK DWARF STARS [01]
DA December 1, 1974
BT1 Dwarf Stars
BT2 Stars

BLACK FOX-1 REACTOR [01]
(Rogers, Oklahoma, USA)
DA March 11, 1976
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
RT GE Standard Reactor

BLACK FOX-2 REACTOR [01]
(Rogers, Oklahoma, USA)
DA March 11, 1976
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
RT GE Standard Reactor

BLACK HOLES [01]
DA December 1, 1974
RT Accretion Disks
RT Gravitational Collapse
RT Schwarzschild Radius
RT Stars
RT White Holes

BLACK LIQUIDS
DA August 7, 1978
BT1 Liquids
BT2 Fluids
RT Heat Transfer Fluids
RT Solar Absorbers
RT Solar Collectors

Black Liquors
DA March 4, 1993
USE Spent Liquors

Black Lung Disease
DA February 8, 1982
USE Pneumoconioses

BLACK NICKEL
DA December 11, 1978
BT1 Black Coatings
BT2 Coatings
RT Nickel
RT Solar Absorbers

BLACK NUCLEUS MODEL [01]
DA December 1, 1974
BT1 Nuclear Models
BT2 Mathematical Models

BLACK SANDS [01]
DA December 1, 1974
BT1 Minerals
BT1 Sand
RT Magnetite
RT Thorianite
RT Thorite
RT Uraninites

BLACK SEA [01]
DA December 1, 1974
BT1 Seas
BT2 Surface Waters
RT Bulgaria
RT Dnieper River
RT Romania
RT Turkey
RT USSR

BLACK SHALES [01]
DA December 15, 1976
UF *Antrim Shales*
UF *Devonian Shales*
BT1 Shales
BT2 Sedimentary Rocks
BT3 Rocks
RT Chattanooga Formation
RT Hytort Process

BLACKBODY RADIATION [01]
DA December 1, 1974
UF *Universal Blackbody Radiation*
BT1 Electromagnetic Radiation
BT2 Radiations
RT Emissivity
RT Planck Radiation Formula
RT Thermal Radiation

BLACKOUTS
DA February 7, 1975
RT Brownouts
RT Electric Power
RT Outages

BLADDER [01]
DA December 1, 1974
BT1 Urinary Tract
BT2 Organs
BT3 Body
RT Pelvis

Blades (Compressor)
DA October 1, 1975
USE Compressor Blades

Blades (Turbines)
DA December 1, 1974
USE Turbine Blades

BLAHUTOVICE-1 REACTOR [01]
DA May 23, 1988
BT1 WWER Type Reactors
BT2 PWR Type Reactors
BT3 Enriched Uranium Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors
BT3 Thermal Reactors
BT4 Reactors
BT3 Water Cooled Reactors
BT4 Reactors
BT3 Water Moderated Reactors
BT4 Reactors

BLAIR MODEL [01]
DA December 1, 1974
UF *Blair Phase Rule*
RT Elastic Scattering

Blair Phase Rule
DA December 1, 1974
USE Blair Model

BLANKENBECLER-SUGAR EQUATIONS [01]
DA December 1, 1974
BT1 Integral Equations
BT2 Equations
RT Bethe-Salpeter Equation
RT Lippmann-Schwinger Equation
RT Particle Production
RT Scattering

Blankets (Breeding)
DA December 1, 1974
USE Breeding Blankets

BLASCON DEVICES [01]
DA December 1, 1974
BT1 Closed Plasma Devices
BT2 Thermonuclear Devices
DEF Spherical configuration using swirling lithium to create a vortex for injection of fusion fuel for laser ignition

BLAST EFFECTS [01]
DA January 21, 1975
RT Explosions
RT Landslides
RT Seismic Effects
RT Shock Waves

BLAST FURNACES [01]
DA December 1, 1974
BT1 Furnaces

Blasting
DA April 27, 1978
USE Explosive Fracturing

Blasts
DA December 1, 1974
USE Explosions

BLATT-BIEDENHARN FORMALISM [01]
DA December 1, 1974
RT Angular Distribution

BLEACHING [01]
DA December 1, 1974
RT Coloration

Blenders
DA January 23, 1976
USE Mixers

Blending
DA December 1, 1974
USE Mixing

BLEOMYCIN [01]
DA December 1, 1974
BT1 Antibiotics
BT2 Anti-Infective Agents
BT3 Drugs
BT1 Antimitotic Drugs
BT2 Drugs
BT1 Antineoplastic Drugs
BT2 Drugs
RT Therapy

BLIND RIVER [01]
DA December 1, 1974
BT1 Rivers
BT2 Streams
BT3 Surface Waters

BLISTERS [01]
DA November 1, 1976
RT Bubbles
RT Heating
RT Surfaces
RT Swelling

BLIZZARD DEPOSIT [01]
DA March 13, 1981
BT1 Uranium Deposits
BT2 Geologic Deposits
BT2 Mineral Resources
BT3 Resources
RT British Columbia
RT Uranium Ores

BLOCH EQUATIONS [01]
DA December 1, 1974
BT1 Equations
RT Magnetic Resonance

BLOCH THEORY [01]
DA December 1, 1974
RT Quantum Mechanics

BLOCH WALL [01]
DA January 21, 1975
BT1 Domain Structure
DEF The transition layer that separates domains magnetized in different directions

Blocking
DA December 1, 1974
USE Channeling

Blocking Layer
DA March 4, 1980
USE Depletion Layer

BLOCKING OSCILLATORS [01]
DA December 1, 1974
BT1 Oscillators
BT2 Electronic Equipment
BT3 Equipment
RT Pulse Generators

BLOOD [01]
DA December 1, 1974
BT1 Body Fluids
BT2 Biological Materials
BT3 Materials
NT1 Blood Cells
NT2 Blood Platelets
NT2 Erythrocytes
NT3 Reticulocytes
NT2 Leukocytes
NT3 Basophils
NT3 Eosinophils
NT3 Lymphocytes
NT3 Monocytes
NT3 Natural Killer Cells
NT3 Neutrophils

NT1 Blood Plasma
RT Blood Circulation
RT Blood Count
RT Blood Formation
RT Blood Groups
RT Bone Marrow
RT Connective Tissue
RT Extracorporeal Irradiation
RT Hematologic Agents
RT Hemic Diseases
RT Hemocyanin
RT Hemorrhage
RT Hemosiderin
RT Homeostasis
RT Respiration
RT Septicemia
RT Transfusions
RT Uremia

BLOOD-BRAIN BARRIER [01]
DA December 1, 1974
RT Homeostasis
RT Physiology

BLOOD CELLS [01]
DA December 1, 1974
BT1 Blood
BT2 Body Fluids
BT3 Biological Materials
BT4 Materials
NT1 Blood Platelets
NT1 Erythrocytes
NT2 Reticulocytes
NT1 Leukocytes
NT2 Basophils
NT2 Eosinophils
NT2 Lymphocytes
NT2 Monocytes
NT2 Natural Killer Cells
NT2 Neutrophils
RT Biological Indicators
RT Blood Count
RT Bone Marrow

BLOOD CHEMISTRY [01]
DA June 23, 1980
BT1 Biochemistry
BT2 Chemistry
RT Blood Coagulation Factors
RT Blood Plasma
RT Blood Serum
RT Hemic Diseases
RT Qualitative Chemical Analysis
RT Quantitative Chemical Analysis

BLOOD CIRCULATION [01]
DA December 1, 1974
UF *Cardiac Output*
UF *Circulation (Blood)*
RT Blood
RT Blood Flow
RT Blood Pressure
RT Cardiography
RT Cardiopulmonary Resuscitation
RT Cardiovascular System
RT Emboli
RT Heart
RT Ischemia
RT Kidneys
RT Lungs
RT Mechanical Heart
RT Myocardial Infarction
RT Parabiosis
RT Physiology
RT Spleen
RT Vasoconstriction
RT Vasodilation

Blood Clotting
DA December 1, 1974
USE Blood Coagulation

BLOOD COAGULATION [01]
DA December 1, 1974
UF *Blood Clotting*
UF *Coagulation (Blood)*
RT Anticoagulants
RT Blood Coagulation Factors
RT Blood Platelets
RT Blood Serum
RT Coalescence
RT Fibrinolysin
RT Hematologic Agents
RT Hematomas
RT Hemophilia
RT Hemorrhage
RT Thrombosis

BLOOD COAGULATION FACTORS [01]
DA December 1, 1974
BT1 Coagulants
BT2 Hematologic Agents
BT3 Drugs
BT1 Proteins
BT2 Organic Compounds
NT1 Fibrin
NT1 Fibrinogen
NT1 Kallikrein
NT1 Plasminogen
NT1 Prothrombin
NT1 Thrombin
NT1 Thromboplastin
NT1 Urokinase
RT Blood Chemistry
RT Blood Coagulation
RT Blood Platelets
RT Fibrinolysin
RT Folic Acid
RT Hemostatics
RT Heparin Antagonists
RT Vitamin K

BLOOD COUNT [01]
DA December 1, 1974
RT Blood
RT Blood Cells

Blood Diseases
DA December 1, 1974
USE Hemic Diseases

BLOOD FLOW [01]
DA December 1, 1974
UF *Flow (Blood)*
RT Blood Circulation
RT Blood Vessels
RT Emboli
RT Organs

BLOOD FORMATION [01]
DA December 1, 1974
UF *Hematopoesis*
UF *Hemopoesis*
NT1 Erythropoiesis
NT1 Leukopoiesis
NT1 Thrombopoiesis
RT Blood
RT Bone Marrow
RT Bone Marrow Cells
RT Cell Differentiation
RT Hematopoetic System
RT Leukocytin
RT Spleen
RT Spleen Colony Formation
RT Stem Cells

BLOOD GROUPS [01]
DA December 1, 1974
RT Blood
RT Erythrocytes
RT Hemagglutinins
RT Transfusions

BLOOD PLASMA [01]
DA December 1, 1974
UF *Plasma (Blood)*
BT1 Blood
BT2 Body Fluids
BT3 Biological Materials
BT4 Materials
RT Biological Indicators
RT Blood Chemistry
RT Blood Plasma Clearance
RT Blood Serum
RT Blood Substitutes
RT Chylomicrons
RT Complement
RT Proteins

BLOOD-PLASMA CLEARANCE [01]
DA December 1, 1974
UF *Plasma Clearance*
BT1 Clearance
RT Blood Plasma
RT Diagnostic Techniques
RT PBI
RT Radionuclide Administration
RT Radionuclide Kinetics
RT Thyroid
RT Time Dependence

BLOOD PLATELETS [01]
DA December 1, 1974
UF *Thrombocytes*
BT1 Blood Cells
BT2 Blood
BT3 Body Fluids
BT4 Biological Materials
BT5 Materials
RT Blood Coagulation
RT Blood Coagulation Factors
RT Thrombopoiesis

BLOOD PRESSURE [01]
DA December 1, 1974
RT Antihypertensive Agents
RT Arteries
RT Blood Circulation
RT Cardiography
RT Cardiovascular System
RT Hypertension
RT Hypotension
RT Renin

BLOOD SERUM [01]
DA December 1, 1974
UF *Serum (Blood)*
RT Blood Chemistry
RT Blood Coagulation
RT Blood Plasma
RT Immune Serums

BLOOD SUBSTITUTES [01]
DA December 1, 1974
UF *Plasma Substitutes*
BT1 Hematologic Agents
BT2 Drugs
NT1 Dextran
NT1 Pectins
NT1 PVP
RT Blood Plasma
RT Coagulants
RT Fibrinolytic Agents
RT Hematinics
RT Transfusions

BLOOD VESSELS [01]
DA December 1, 1974
UF *Angiography*
BT1 Cardiovascular System
BT1 Organs
BT2 Body
NT1 Arteries
NT2 Aorta
NT2 Carotid Arteries
NT2 Cerebral Arteries
NT2 Coronaries
NT1 Capillaries
NT1 Veins
NT2 Portal System
RT Angiomas
RT Blood Flow
RT Cardiovascular Agents
RT Emboli
RT Hemorrhage
RT Ischemia
RT Telangiectasia
RT Thrombosis
RT Vascular Diseases
RT Vasoconstriction
RT Vasoconstrictors
RT Vasodilation
RT Vasodilators

BLOWDOWN [01]
DA December 1, 1974
RT Loss of Coolant

BLOWERS [01]
DA December 1, 1974
UF *Fans*
RT Automotive Accessories
RT Ceiling Fans
RT Compressors
RT Pumps
RT Reactor Cooling Systems
RT Superchargers

BLOWN BITUMENS
DA February 19, 1976
BT1 Bitumens
BT2 Tar
BT3 Other Organic Compounds
BT4 Organic Compounds
DEF A special type of bitumen produced by blowing air, under controlled conditions, through hot bitumen

BLOWOFF
DA January 21, 1975
RT Burners
RT Evaporation
RT Flame Propagation
RT Flames
RT Flashback
DEF Separation of a flame from a burner, material, either solid, liquid, or vapor, ejected from a sample upon absorption of high energy in a short period of time

BLOWOUT PREVENTERS [01]
DA March 11, 1976
UF *BOP*
BT1 Drilling Equipment
BT2 Equipment
RT Blowouts
RT Natural Gas Wells
RT Oil Wells
DEF Stacks or assemblies of heavy duty valves attached to the top of the casing to control well pressure

BLOWOUTS
DA January 23, 1975
BT1 Accidents
RT Blowout Preventers
RT Oil Wells
RT Wells
DEF The high pressure, sometimes violent, and uncontrolled ejection of water, gas, or oil from a borehole

Blue Green Algae
DA March 7, 1983
USE Cyanobacteria

BLUE HILLS-1 REACTOR [01]
(Newton, Texas, USA)
DA January 21, 1975
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

BLUE HILLS-2 REACTOR [01]
(Newton, Texas, USA)
DA January 21, 1975
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

BLUE STELLAR OBJECTS [01]
DA December 1, 1974
BT1 Quasars
BT2 Cosmic Radio Sources

BLUEBERRIES [01]
DA December 26, 1984
BT1 Berries
BT2 Fruits
BT3 Food

BMI Reactor
DA December 1, 1974
USE BRR Reactor

BN-350 REACTOR [01]
(Mangyshalk, Shevchenko, USSR)
DA December 1, 1974
UF *Fort Shevchenko Reactor*
BT1 Desalination Reactors
BT2 Reactors
BT1 LMFBR Type Reactors
BT2 FBR Type Reactors
BT3 Breeder Reactors
BT4 Reactors
BT3 Fast Reactors
BT4 Epithermal Reactors
BT5 Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Sodium Cooled Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors
RT Enriched Uranium Reactors
RT Plutonium Reactors

BN 600 Reactor
DA December 1, 1974
USE Beloyarsk 3 Reactor

BN-600 REACTOR [01]
DA March 20, 1989
BT1 LMFBR Type Reactors
BT2 FBR Type Reactors
BT3 Breeder Reactors
BT4 Reactors
BT3 Fast Reactors
BT4 Epithermal Reactors
BT5 Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Sodium Cooled Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors

BN-1600 REACTOR [01]
(USSR)
DA October 23, 1979
BT1 LMFBR Type Reactors
BT2 FBR Type Reactors
BT3 Breeder Reactors
BT4 Reactors
BT3 Fast Reactors
BT4 Epithermal Reactors
BT5 Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors

BNFL [01]
DA May 6, 1980
UF *British Nuclear Fuels Limited*
BT1 United Kingdom Organizations
BT2 National Organizations

BNL [01]
DA December 1, 1974
UF *Brookhaven National Laboratory*
BT1 US AEC
BT2 US Organizations
BT3 National Organizations
BT1 US DOE
BT2 US Organizations
BT3 National Organizations
BT1 US ERDA
BT2 US Organizations
BT3 National Organizations
RT New York

BNL REACTOR
DA January 21, 1976
UF *Berkeley Nuclear Laboratory Reactor*
BT1 Graphite Moderated Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors
RT GCR Type Reactors

BNPS 1 Reactor
DA December 1, 1974
USE Beloyarsk 1 Reactor

BNPS 2 Reactor
DA December 1, 1974
USE Beloyarsk 2 Reactor

BOD
DA October 28, 1975
USE Biochemical Oxygen Demand

BODY [01]
DA December 1, 1974
NT1 Body Areas
NT2 Abdomen
NT2 Chest
NT3 Mediastinum
NT2 Head
NT3 Face
NT4 Eyes
NT5 Conjunctiva
NT5 Cornea
NT5 Crystalline Lens
NT5 Lacrimal Ducts
NT5 Retina
NT5 Uvea
NT4 Nose
NT2 Limbs
NT3 Arms
NT3 Hands
NT4 Fingers
NT3 Legs
NT4 Feet
NT2 Neck
NT2 Pelvis
NT1 Hematopoietic System
NT2 Bone Marrow
NT1 Organs
NT2 Blood Vessels
NT3 Arteries
NT4 Aorta
NT4 Carotid Arteries
NT4 Cerebral Arteries
NT4 Coronaries
NT3 Capillaries
NT3 Veins
NT4 Portal System
NT2 Bone Marrow
NT2 Brain
NT3 Cerebellum
NT3 Cerebrum
NT4 Cerebral Cortex
NT3 Hippocampus
NT3 Hypothalamus
NT3 Olfactory Bulbs
NT3 Thalamus
NT2 Critical Organs
NT2 Diaphragm
NT2 Esophagus
NT2 Female Genitals
NT3 Ovaries
NT3 Uterus
NT2 Glands
NT3 Endocrine Glands
NT4 Adrenal Glands
NT4 Pancreas
NT4 Parathyroid Glands
NT4 Pituitary Gland
NT4 Thyroid
NT3 Liver
NT3 Mammary Glands
NT3 Pineal Gland
NT3 Prostate
NT3 Salivary Glands
NT2 Heart
NT3 Myocardium
NT3 Pericardium
NT2 Intestines
NT3 Large Intestine
NT4 Rectum
NT3 Small Intestine
NT2 Kidneys
NT3 Glomeruli
NT3 Mechanical Kidney
NT3 Tubules
NT2 Lungs
NT2 Male Genitals

NT3 Prostate
NT3 Testes
NT2 Perfused Organs
NT2 Pharynx
NT2 Sense Organs
NT3 Auditory Organs
NT3 Eyes
NT4 Conjunctiva
NT4 Cornea
NT4 Crystalline Lens
NT4 Lacrimal Ducts
NT4 Retina
NT4 Uvea
NT3 Taste Buds
NT3 Vestibular Apparatus
NT2 Skeleton
NT3 Bone Joints
NT3 Exoskeleton
NT3 Femur
NT3 Skull
NT4 Jaw
NT3 Tibia
NT3 Vertebrae
NT2 Skin
NT3 Epidermis
NT3 Hair
NT3 Hair Follicles
NT3 Nails
NT2 Spleen
NT2 Stomach
NT2 Thymus
NT2 Tongue
NT2 Urinary Tract
NT3 Bladder
NT3 Ureters
NT1 Tissues
NT2 Animal Tissues
NT3 Bone Marrow
NT3 Connective Tissue
NT4 Adipose Tissue
NT4 Bone Tissues
NT5 Antlers
NT5 Trabecular Bone
NT4 Cartilage
NT4 Fascia
NT4 Ligaments
NT4 Tendons
NT3 Endothelium
NT3 Epithelium
NT4 Epidermis
NT3 Nerve Tissue
NT3 Perfused Tissues
NT3 Reticuloendothelial System
NT2 Plant Tissues
NT3 Bark
NT3 Endosperm
NT3 Meristems
NT3 Mycelium
RT Anatomy
RT Body Composition
RT Retention
RT Whole Body Counting
RT Whole Body Irradiation

BODY AREAS [01]
DA December 1, 1974
BT1 Body
NT1 Abdomen
NT1 Chest
NT2 Mediastinum
NT1 Head
NT2 Face
NT3 Eyes
NT4 Conjunctiva
NT4 Cornea
NT4 Crystalline Lens
NT4 Lacrimal Ducts
NT4 Retina
NT4 Uvea
NT3 Nose
NT1 Limbs
NT2 Arms
NT2 Hands
NT3 Fingers
NT2 Legs
NT3 Feet
NT1 Neck
NT1 Pelvis
RT Partial Body Irradiation
RT Sinuses

BODY BURDEN [01]
DA December 1, 1974
RT Biological Half-Life
RT Contamination
RT ICRP Critical Group
RT Maximum Permissible Body Burden
RT Pollution
RT Radioactivity
RT Radionuclide Kinetics

Body Centered Cubic
DA December 1, 1974
USE Bcc Lattices

BODY COMPOSITION [01]
DA December 1, 1974
RT Body
RT Quantitative Chemical Analysis

BODY FLUIDS [01]
DA December 1, 1974
UF+ *Aqueous Humor*
SF *Biological Fluids*
BT1 Biological Materials
BT2 Materials
NT1 Amniotic Fluid
NT1 Bile
NT1 Blood
NT2 Blood Cells
NT3 Blood Platelets
NT3 Erythrocytes
NT4 Reticulocytes
NT3 Leukocytes
NT4 Basophils
NT4 Eosinophils
NT4 Lymphocytes
NT4 Monocytes
NT4 Natural Killer Cells
NT4 Neutrophils
NT2 Blood Plasma
NT1 Cerebrospinal Fluid
NT1 Gastric Acid
NT1 Lymph
NT1 Milk
NT1 Saliva
NT1 Sweat
NT1 Urine
RT Edema
RT Excretion
RT Feces
RT Secretion

BODY TEMPERATURE [01]
DA December 1, 1974
UF *Temperature (Body)*
NT1 Hyperthermia
NT1 Hypothermia
RT Fever
RT Physiology
RT Thermoregulation

Body Waves P (Seismic)
DA May 23, 1980
USE Seismic P Waves

Body Waves S (Seismic)
DA May 23, 1980
USE Seismic S Waves

BOGHEAD COAL
DA May 3, 1979
BT1 Sapropelic Coal
BT2 Coal
BT3 Carbonaceous Materials
BT4 Materials
BT3 Fossil Fuels
BT4 Energy Sources
BT4 Fuels
NT1 Torbanite

BOGOLYUBOV METHOD [01]
DA December 1, 1974
BT1 Calculation Methods
RT Superconductivity

Bogolyubov Theory
DA December 1, 1974
USE BBGKY Equation

BOGOLYUBOV TRANSFORMATION [01]
DA December 1, 1974
UF *Bogolyubov-Valatin Relation*
BT1 Canonical Transformations
BT2 Transformations
RT Hartree-Fock-Bogolyubov Theory

Bogolyubov-Valatin Relation
DA December 1, 1974
USE Bogolyubov Transformation

Bogs
DA May 3, 1979
USE Swamps

BOHM CRITERION [01]
DA December 1, 1974
UF *Bohm Theory*
UF *Bohm-Gross Method*
RT Plasma

Bohm-Gross Method
DA December 1, 1974
USE Bohm Criterion

Bohm-Pines Theory
DA December 1, 1974
USE Pines-Bohm Theory

Bohm Theory
DA December 1, 1974
USE Bohm Criterion

Bohr Approximation
DA December 1, 1974
USE Nilsson-Mottelson Model

Bohr-Mottelson Model
DA December 1, 1974
USE Nilsson-Mottelson Model

Bohr-Sommerfeld Quantum Theory
DA December 1, 1974
USE Bohr Theory

BOHR THEORY [01]
DA December 1, 1974
UF *Bohr-Sommerfeld Quantum Theory*
RT Atomic Models

BOHR-WHEELER THEORY [01]
DA December 1, 1974
RT Fission
RT Nuclear Models

BOHUNICE A-1 REACTOR [01]
(Trnava, West Slovakia, Czechoslovakia)
DA December 1, 1974
UF *A-1 Reactor (Bohunice)*
UF *KS-150 Reactor*
BT1 Carbon Dioxide Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 HWGCR Type Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

BOHUNICE A-2 REACTOR [01]
(Trnava, West Slovakia, Czechoslovakia)
DA December 1, 1974
UF *A-2 Reactor (Bohunice)*
BT1 HWGCR Type Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 Power Reactors
BT2 Reactors

BT1 Thermal Reactors
BT2 Reactors

BOHUNICE V-1 REACTOR [01]
(Trnava, West Slovakia, Czechoslovakia)
DA December 1, 1974
UF *V-1 Reactor (Bohunice)*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

BOHUNICE V-2 REACTOR [01]
(Trnava, West Slovakia, Czechoslovakia)
DA September 6, 1979
UF *V-2 Reactor (Bohunice)*
BT1 WWER Type Reactors
BT2 PWR Type Reactors
BT3 Enriched Uranium Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors
BT3 Thermal Reactors
BT4 Reactors
BT3 Water Cooled Reactors
BT4 Reactors
BT3 Water Moderated Reactors
BT4 Reactors

Boiler Fuel
(Prior to January 1981, this was a valid descriptor and older material is so indexed.)
DA May 5, 1975
USE Boiler Fuels

BOILER FUELS [01]
DA January 30, 1981
UF *Boiler Fuel*
BT1 Fuels
RT Boilers
RT Fossil-Fuel Power Plants
RT Steam Generators

BOILERS [01]
DA December 1, 1974
NT1 Fluidized Bed Boilers
NT1 Refuse-Fueled Boilers
NT1 Vapor Generators
NT2 Steam Generators
NT1 Waste Heat Boilers
RT Boiler Fuels
RT Boiling
RT Central Receivers
RT Combustion Control
RT Deaerators
RT District Heating
RT Feedwater
RT Heat Transfer
RT Reactor Cooling Systems
RT Stokers

BOILING [01]
DA December 1, 1974
BT1 Phase Transformations
NT1 Film Boiling
NT1 Nucleate Boiling
NT2 Departure Nucleate Boiling
NT1 Pool Boiling
NT1 Subcooled Boiling
NT1 Transition Boiling
RT Boilers
RT Boiling Detection
RT Bubble Growth
RT Evaporation
RT Heat Transfer
RT Heating
RT Steam Generators
RT Two-Phase Flow

BOILING DETECTION [01]
DA December 1, 1974
BT1 Detection
RT Boiling
RT Bubble Growth
RT Bubbles
RT Foams
RT Reactor Control Systems
RT Reactor Safety
RT Voids

Boiling Heavy Water Cooled and Moderated Reactor
DA December 1, 1974
USE BHWR Type Reactors

Boiling Nuclear Superheater Reactor
DA December 1, 1974
USE BONUS Reactor

BOILING POINTS [01]
DA December 1, 1974
BT1 Transition Temperature
BT2 Thermodynamic Properties
BT3 Physical Properties
RT Azeotrope

Boiling Reactor Experiment 1
DA December 1, 1974
USE BORAX-1 Reactor

Boiling Reactor Experiment 2
DA December 1, 1974
USE BORAX-2 Reactor

Boiling Reactor Experiment 3
DA December 1, 1974
USE BORAX-3 Reactor

Boiling Reactor Experiment 4
DA December 1, 1974
USE BORAX-4 Reactor

Boiling Reactor Experiment 5
DA December 1, 1974
USE BORAX-5 Reactor

Boiling Water Cooled and Moderated Reactor
DA December 1, 1974
USE BWR Type Reactors

BOLIVIA [01]
DA December 1, 1974
BT1 Developing Countries
BT1 South America
BT2 Latin America
NT1 Chacaltaya
RT Andes

BOLL WEEVIL [01]
DA December 1, 1974
UF *Anthonomus Grandis*
BT1 Beetles
BT2 Coleoptera
BT3 Insects
BT4 Arthropods
BT5 Invertebrates
BT6 Animals
RT Cotton Plants

BOLLWORM [01]
DA December 1, 1974
UF *Heliothis*
BT1 Moths
BT2 Lepidoptera
BT3 Insects
BT4 Arthropods
BT5 Invertebrates
BT6 Animals
RT Cotton Plants

BOLOMETERS [01]
DA December 1, 1974
BT1 Measuring Instruments
RT Temperature Measurement
RT Thermometers

BOLSA CHICA-1 REACTOR [01]
DA December 1, 1974
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

BOLSA CHICA-2 REACTOR [01]
DA December 1, 1974
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

BOLTED JOINTS [01]
DA December 1, 1974
BT1 Joints

Bolting
DA December 1, 1974
USE Fastening

BOLTWOODITE [01]
DA December 1, 1974
BT1 Silicate Minerals
BT2 Minerals
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
RT Potassium Silicates
RT Uranium Silicates

Boltzmann Approximation
DA December 1, 1974
USE Boltzmann Statistics

Boltzmann Collision Integral
DA December 1, 1974
USE Boltzmann Equation

BOLTZMANN EQUATION [01]
DA December 1, 1974
UF *Boltzmann Collision Integral*
UF *Boltzmann Transport Equation*
UF *Born-Green-Yvon Equation*
UF *Maxwell-Boltzmann Equation*
BT1 Partial Differential Equations
BT2 Differential Equations
BT3 Equations
RT Collision Integrals
RT Gases
RT Kinetic Equations
RT P1-Approximation
RT P3-Approximation
RT Statistical Mechanics
RT Transport Theory

Boltzmann Event
DA November 23, 1983
USE Atmospheric Explosions
AND Plumbbob Project

Boltzmann Factor
DA December 1, 1974
USE Boltzmann Statistics

BOLTZMANN STATISTICS [01]
DA December 1, 1974
UF *Boltzmann Approximation*
UF *Boltzmann Factor*
UF *Maxwell-Boltzmann Distribution*
UF *Maxwell-Boltzmann Statistics*
UF *Maxwell Distribution*
UF *Maxwell Statistics*
UF *Maxwell Velocity Distribution*
RT Distribution
RT H Theorem
RT Statistical Mechanics

Boltzmann Transport Equation
DA December 1, 1974
USE Boltzmann Equation

BOLTZMANN-VLASOV EQUATION [01]
DA December 1, 1974
UF *Liouville Equation*
UF *Vlasov Equation*
UF *Vlasov Instability*
BT1 Partial Differential Equations
BT2 Differential Equations
BT3 Equations
RT Plasma
RT Transport Theory

BOM-ERDA PROCESS
DA April 27, 1978
BT1 Desulfurization
BT2 Chemical Reactions
RT Coal Preparation
DEF This wet oxidative process employs air in place of oxygen and operates at higher temperature and pressure than the Ledgemont process. Ferric and ferrous sulfates and sulfuric acid are generated.

BOM REFINING DISTRICTS
DA December 10, 1979
RT Petroleum Refineries
RT Refining
RT US Bureau of Mines

BOMB REDUCTION [01]
DA December 1, 1974
BT1 Reduction
BT2 Chemical Reactions

BOMBS
DA September 5, 1984
BT1 Weapons
DEF An explosive device fused to detonate under specified conditions.

Bombyx
DA December 1, 1974
USE Silkworm

BOND ANGLE [01]
DA December 1, 1974
UF *Angle (Bond)*
RT Binding Energy
RT Chemical Bonds

BOND LENGTHS [01]
DA December 1, 1974
BT1 Length
BT2 Dimensions
RT Binding Energy
RT Chemical Bonds
RT Molecular Structure

BONDING [01]
(For joining metals and other materials, see also BINDING ENERGY.)
DA December 1, 1974
UF *Fusion (Bonding, Nonmetallic)*
BT1 Joining
BT2 Fabrication
NT1 Self-Welding
RT Adhesion
RT Cementing
RT Coalescence
RT Grouting
RT Joints

BONDUR [01]
DA December 1, 1974
BT1 Aluminium Base Alloys
BT2 Aluminium Alloys
BT3 Alloys
BT1 Copper Alloys
BT2 Alloys
BT1 Magnesium Additions
BT2 Magnesium Alloys
BT3 Alloys
BT1 Manganese Additions
BT2 Manganese Alloys
BT3 Alloys
BT1 Silicon Additions
BT2 Silicon Alloys
BT3 Alloys

BONE CELLS [01]
DA December 1, 1974
UF *Osteocytes*
BT1 Connective Tissue Cells
BT2 Somatic Cells
BT3 Animal Cells
RT Bone Marrow
RT Bone Marrow Cells
RT Bone Tissues

Bone Diseases
DA December 1, 1974
USE Skeletal Diseases

BONE FRACTURES [01]
DA December 1, 1974
UF *Fractures (Bone)*
BT1 Injuries
RT Skeletal Diseases

BONE JOINTS [01]
DA December 1, 1974
UF *Joints (Anatomy)*
UF *Synovia*
BT1 Skeleton
BT2 Organs
BT3 Body
RT Cartilage
RT Rheumatic Diseases
RT Skeletal Diseases

BONE MARROW [01]
DA December 1, 1974
BT1 Animal Tissues
BT2 Tissues
BT3 Body
BT1 Hematopoietic System
BT2 Body
BT1 Organs
BT2 Body
RT Blood
RT Blood Cells
RT Blood Formation
RT Bone Cells
RT Bone Marrow Cells
RT Bone Tissues
RT Leukemia
RT Plasma Cells
RT Polycythemia
RT Radiation Syndrome
RT Reticuloendothelial System
RT Stem Cells
RT Trabecular Bone

BONE MARROW CELLS [01]
DA December 1, 1974
UF *Erythroblasts*
UF *Megakaryocytes*
BT1 Connective Tissue Cells
BT2 Somatic Cells
BT3 Animal Cells
RT Biological Indicators
RT Blood Formation
RT Bone Cells
RT Bone Marrow

BONE SEEKERS [01]
DA December 1, 1974
BT1 Radioisotopes
BT2 Isotopes
RT Biological Hot Spots
RT Biological Localization
RT Bone Tissues
RT Calcium Isotopes
RT Radionuclide Kinetics
RT Radium Isotopes
RT Strontium Isotopes

BONE TISSUES [01]
DA December 1, 1974
UF *Endosteum*
UF *Epiphysis (Bones)*
UF *Periosteum*
BT1 Connective Tissue
BT2 Animal Tissues
BT3 Tissues
BT4 Body
NT1 Antlers
NT1 Trabecular Bone
RT Bone Cells
RT Bone Marrow
RT Bone Seekers
RT Calcium
RT Dentin
RT Hyperparathyroidism
RT Osteodensitometry
RT Osteomyelitis
RT Osteoporosis
RT Osteoradionecrosis
RT Osteosarcomas
RT Parathormone
RT Rheumatic Diseases
RT Rickets
RT Skeletal Diseases
RT Skeleton
RT Teeth

Bones
DA December 1, 1974
USE Skeleton

BONN SYNCHROTRON [01]
DA December 1, 1974
BT1 Synchrotrons
BT2 Cyclic Accelerators
BT3 Accelerators

BONNER SPHERE DETECTORS [01]
DA December 1, 1974
UF *Multisphere Neutron Detectors*
BT1 Moderating Detectors
BT2 Neutron Detectors
BT3 Radiation Detectors
BT4 Measuring Instruments

BONNER SPHERE SPECTROMETERS [01]
DA December 1, 1974
BT1 Neutron Spectrometers
BT2 Spectrometers
BT3 Measuring Instruments

BONNEVILLE POWER ADMINISTRATION [01]
DA March 4, 1977
UF *BPA*
BT1 US DOE
BT2 US Organizations
BT3 National Organizations
RT Electric Power

BONUS REACTOR [01]
DA December 1, 1974
UF *Boiling Nuclear Superheater Reactor*
UF *BWR Superheater Puerto Rico Reactor*
UF *Puerto Rico Bonus Reactor*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

Bookkeeping
DA December 1, 1974
USE Accounting

BOOM TOWNS
DA February 14, 1978
RT Human Populations
RT Rural Areas
RT Social Services
RT Urban Areas

Boosters (Particle)
DA December 1, 1974
USE Particle Boosters

BOOTSTRAP CURRENT [01]
DA May 11, 1989
BT1 Electric Currents
BT2 Currents
RT Neoclassical Transport Theory
RT Non-Inductive Current Drive
RT Plasma

BOOTSTRAP MODEL [01]
DA December 1, 1974

BT1 Composite Models
BT2 Particle Models
BT3 Mathematical Models
RT Coupling

BOP
DA May 17, 1976
USE Blowout Preventers

BOPSSAR STANDARD PLANT [01]
DA March 11, 1976
BT1 Nuclear Power Plants
BT2 Nuclear Facilities
BT2 Thermal Power Plants
BT3 Power Plants
RT Westinghouse Standard Reactor

BOR-60 REACTOR [01]
(Dimitrovgrad, USSR)
DA December 1, 1974
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Experimental Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 LMFBR Type Reactors
BT2 FBR Type Reactors
BT3 Breeder Reactors
BT4 Reactors
BT3 Fast Reactors
BT4 Epithermal Reactors
BT5 Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Sodium Cooled Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors

BORANES [01]
DA December 1, 1974
UF *Diborane*
BT1 Boron Compounds
BT1 Hydrides
BT2 Hydrogen Compounds
RT Carboranes

BORATES [01]
(Specific compounds, except those of significance to energy reserach and development, should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
DA December 1, 1974
BT1 Boron Compounds
BT1 Oxygen Compounds
NT1 Borax
RT Boric Acid
RT Boron Oxides

BORAX [01]
DA December 1, 1974
BT1 Borates
BT2 Boron Compounds
BT2 Oxygen Compounds
BT1 Sodium Compounds
BT2 Alkali Metal Compounds

BORAX-1 REACTOR [01]
DA December 1, 1974
UF *Boiling Reactor Experiment 1*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Experimental Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors

BORAX-2 REACTOR [01]
DA December 1, 1974
UF *Boiling Reactor Experiment 2*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Experimental Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors

BORAX-3 REACTOR [01]
DA December 1, 1974
UF *Boiling Reactor Experiment 3*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Experimental Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors

BORAX-4 REACTOR [01]
DA December 1, 1974
UF *Boiling Reactor Experiment 4*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Experimental Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Thorium Reactors
BT2 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors

BORAX-5 REACTOR [01]
DA December 1, 1974
UF *Boiling Reactor Experiment 5*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors

BORDONI PEAK [01]
DA December 1, 1974
RT Dislocations
RT Internal Friction

BOREAL REGIONS [01]
DA February 13, 1987
RT Climates
RT Cryosphere
RT Polar Regions
RT Temperate Zones
DEF Those regions comprising the climate and biotic communities between the polar regions and the temperate zones.

BOREHOLE LINKING
DA November 29, 1976
UF *Linking (Borehole)*
NT1 Electrolinking
RT Propping Agents
DEF Creation of channels or fissures between boreholes in ore deposits to facilitate movement of gases or liquids.

BOREHOLES [01]
DA December 1, 1974
UF *Drill Holes*
BT1 Cavities
RT Borescopes
RT Electrolinking
RT Exploratory Wells
RT Openings
RT Rock Drilling
RT Stemming Materials
RT Subterrene Penetrators
RT Well Logging
RT Wells

BORESCOPES [01]
DA December 16, 1975
RT Boreholes
RT Pipes
RT Pressure Tubes
RT Telescopes
RT Tubes
RT Well Logging
DEF A device, usually optical, for examining the inside surface of tubes, pipes, or bores.

BORIC ACID [01]
DA December 1, 1974
BT1 Boron Compounds
BT1 Inorganic Acids
BT2 Hydrogen Compounds
BT1 Oxygen Compounds
RT Borates

BORIDES [01]
DA December 1, 1974
BT1 Boron Compounds
NT1 Aluminium Borides
NT1 Antimony Borides
NT1 Argon Borides
NT1 Barium Borides
NT1 Berkelium Borides
NT1 Beryllium Borides
NT1 Bismuth Borides
NT1 Cadmium Borides
NT1 Calcium Borides
NT1 Cerium Borides
NT1 Chromium Borides
NT1 Cobalt Borides
NT1 Copper Borides
NT1 Dysprosium Borides
NT1 Erbium Borides
NT1 Europium Borides
NT1 Gadolinium Borides
NT1 Germanium Borides
NT1 Hafnium Borides
NT1 Holmium Borides
NT1 Indium Borides
NT1 Iridium Borides
NT1 Iron Borides
NT1 Lanthanum Borides
NT1 Lithium Borides
NT1 Lutetium Borides
NT1 Magnesium Borides
NT1 Manganese Borides
NT1 Molybdenum Borides
NT1 Neodymium Borides
NT1 Neptunium Borides
NT1 Nickel Borides
NT1 Niobium Borides
NT1 Osmium Borides
NT1 Palladium Borides
NT1 Plutonium Borides
NT1 Potassium Borides
NT1 Praseodymium Borides
NT1 Rhenium Borides
NT1 Rhodium Borides
NT1 Ruthenium Borides
NT1 Samarium Borides
NT1 Scandium Borides
NT1 Silicon Borides
NT1 Sodium Borides
NT1 Strontium Borides
NT1 Tantalum Borides
NT1 Terbium Borides
NT1 Thorium Borides
NT1 Thulium Borides

NT1 Tin Borides
NT1 Titanium Borides
NT1 Tungsten Borides
NT1 Uranium Borides
NT1 Vanadium Borides
NT1 Ytterbium Borides
NT1 Yttrium Borides
NT1 Zinc Borides
NT1 Zirconium Borides
RT Intermetallic Compounds

BORN APPROXIMATION [01]
DA December 1, 1974
UF *Born Cross Sections*
UF *Plane-Wave Born Approximation*
UF *PWBA*
NT1 Coupled Channel Born Approximation
NT1 DWBA
RT Perturbation Theory
RT Quantum Mechanics
RT Scattering

Born-Bogolyubov-Green-Kirkwood-Yvon
DA December 1, 1974
USE BBGKY Equation

Born Cross Sections
DA December 1, 1974
USE Born Approximation

Born-Green-Yvon Equation
DA December 1, 1974
USE Boltzmann Equation

BORN-INFELD THEORY [01]
DA December 1, 1974
RT Electrodynamics
RT Maxwell Equations

BORN-MAYER EQUATION [01]
DA December 1, 1974
BT1 Equations

BORN-OPPENHEIMER APPROXIMATION [01]
DA December 1, 1974
RT Adiabatic Approximation
RT Scattering

BORN-VON KARMAN THEORY [01]
DA December 1, 1974
RT Specific Heat

BOROHYDRIDES [01]
(Specific compounds, except those of significance to energy research and development, should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
DA December 1, 1974
BT1 Boron Compounds
BT1 Hydrogen Compounds
NT1 Uranium Borohydrides

BORON [01]
DA December 1, 1974
BT1 Semimetals
BT2 Elements

BORON 7 [01]
DA December 1, 1974
BT1 Boron Isotopes
BT2 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei

BORON 8 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Boron Isotopes
BT2 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BORON 8 TARGET [01]
DA November 10, 1981
BT1 Targets

BORON 9 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Boron Isotopes
BT2 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BORON 10 [01]
DA December 1, 1974
BT1 Boron Isotopes
BT2 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
RT Boron 10 Beams
RT Boron 10 Reactions

BORON 10 BEAMS [01]
DA December 1, 1974
BT1 Ion Beams
BT2 Beams
RT Boron 10

BORON 10 REACTIONS [01]
DA December 1, 1974
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions
RT Boron 10

BORON 10 TARGET [01]
DA July 9, 1976
BT1 Targets

BORON 11 [01]
DA December 1, 1974
BT1 Boron Isotopes
BT2 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
RT Boron 11 Beams
RT Boron 11 Reactions

BORON 11 BEAMS [01]
DA December 1, 1974
BT1 Ion Beams
BT2 Beams
RT Boron 11

BORON 11 REACTIONS [01]
DA December 1, 1974
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions
RT Boron 11

BORON 11 TARGET [01]
DA July 9, 1976
BT1 Targets

BORON 12 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Boron Isotopes
BT2 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BORON 12 TARGET [01]
DA July 9, 1976
BT1 Targets

BORON 13 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Boron Isotopes
BT2 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BORON 13 TARGET [01]
DA July 12, 1976
BT1 Targets

BORON 14 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Boron Isotopes
BT2 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

BORON 15 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Boron Isotopes
BT2 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

BORON 16 [01]
DA January 28, 1975
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Boron Isotopes
BT2 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei

BORON 17 [01]
DA December 1, 1974

BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Boron Isotopes
BT2 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

BORON 18 [01]
DA February 7, 1985
BT1 Boron Isotopes
BT2 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei

BORON 19 [01]
DA January 21, 1975
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Boron Isotopes
BT2 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei

BORON ADDITIONS [01]
DA December 1, 1974
BT1 Boron Alloys
BT2 Alloys
NT1 Alloy-Co62Cr28Mo6Ni3
NT2 Alloy-HS-21
NT2 Haynes Stellite No 21
NT1 Alloy-IN-102
NT1 Alloy-Mo99B
NT1 Alloy-Ni42Fe36Cr12Mo6Ti3
NT2 Incoloy 901
NT1 Alloy-Ni43Fe33Cr16Mo3
NT2 Nimonic PE16
NT1 Alloy-Ni46Cr23Co19Ti5Al4
NT2 Alloy-IN-939
NT1 Alloy-Ni53Co19Cr15Mo5Al4Ti3
NT2 Udimet 700
NT1 Alloy-Ni55Co17Cr15Mo5Al4Ti4
NT2 Astroloy
NT1 Alloy-Ni55Cr19Co11Mo10Ti3
NT2 Rene 41
NT1 Alloy-Ni56Cr21W10Mo5Fe4Al2
NT1 Alloy-Ni58Cr20Co14Mo4Ti3
NT2 Waspaloy
NT1 Alloy-Ni59Cr20Co17Ti2
NT2 Nimonic 90
NT1 Alloy-Ni60Co15Cr10Al6Ti5Mo3
NT2 Alloy-IN-100
NT1 Alloy-Ni60Cr14Co10Ti5Mo4W4Al3
NT2 Rene 80
NT1 Alloy-Ni60Mo13Co9Cr8Nb4Al3
NT1 Alloy-Ni61Cr16Co9Al3Ti3W3
NT2 Alloy-IN-738
NT1 Alloy-Ni62Cr16Mo15Fe3
NT2 Hastelloy S
NT1 Alloy-Ni67Cr19Mo5W5Ti3
NT1 Alloy-Ni68Cr15W6Al3Mo3Fe2
NT1 Alloy-Ni74Cr13Al6Mo4
NT2 Inconel 713C
NT1 Alloy-Ni75Cr12Al6Mo5
NT2 Inconel 713LC
NT1 Alloy-Ni76Cr20Ti2
NT2 Nimonic 80A
NT1 Alloy-Ni77Cr20Ti2
NT1 Astroloy
NT1 Steel-Cr15Ni15MoTiB
NT1 Steel-Ni26Cr15Ti2MoVAlB
NT2 Alloy-A-286

BORON ALLOYS [01]
DA December 1, 1974
BT1 Alloys
* NT1 Boron Additions
NT1 Colmonoy

BORON ARSENIDES [01]
DA December 15, 1976
BT1 Arsenides
BT2 Arsenic Compounds
BT2 Pnictides
BT1 Boron Compounds

BORON BROMIDES [01]
DA December 1, 1974
BT1 Boron Compounds
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds

BORON CARBIDES [01]
DA December 1, 1974
BT1 Boron Compounds
BT1 Carbides
BT2 Carbon Compounds

BORON CHLORIDES [01]
DA December 1, 1974
BT1 Boron Compounds
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds

BORON COATED ION CHAMBERS [01]
DA December 1, 1974
BT1 Ionization Chambers
BT2 Radiation Detectors
BT3 Measuring Instruments
BT1 Neutron Detectors
BT2 Radiation Detectors
BT3 Measuring Instruments

BORON COMPLEXES [01]
DA December 1, 1974
BT1 Complexes

BORON COMPOUNDS [01]
DA December 1, 1974
NT1 Boranes
NT1 Borates
NT2 Borax
NT1 Boric Acid
* NT1 Borides
NT1 Borohydrides
NT2 Uranium Borohydrides
NT1 Boron Arsenides
NT1 Boron Bromides
NT1 Boron Carbides
NT1 Boron Chlorides
NT1 Boron Fluorides
NT1 Boron Hydrides
NT1 Boron Hydroxides
NT1 Boron Iodides
NT1 Boron Nitrides
NT1 Boron Oxides
NT1 Boron Phosphates
NT1 Boron Phosphides
NT1 Boron Silicates
NT1 Boron Silicides
NT1 Boron Sulfides
NT1 Boronic Acids
NT1 Fluoroborates
NT1 Fluoroboric Acid
RT Organic Boron Compounds

BORON FLUORIDES [01]
DA December 1, 1974
BT1 Boron Compounds
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
RT Fluoroborates

BORON HYDRIDES
DA February 6, 1975
BT1 Boron Compounds
BT1 Hydrides
BT2 Hydrogen Compounds

BORON HYDROXIDES [01]
DA December 1, 1974
BT1 Boron Compounds
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds

Boron Injection
DA January 30, 1975
USE Safety Injection

BORON IODIDES [01]
DA December 1, 1974
BT1 Boron Compounds
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds

BORON IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

BORON ISOTOPES [01]
DA December 1, 1974
BT1 Isotopes
NT1 Boron 7
NT1 Boron 8
NT1 Boron 9
NT1 Boron 10
NT1 Boron 11
NT1 Boron 12
NT1 Boron 13
NT1 Boron 14
NT1 Boron 15
NT1 Boron 16
NT1 Boron 17
NT1 Boron 18
NT1 Boron 19

BORON LINED COUNTERS [01]
DA December 1, 1974
BT1 Neutron Detectors
BT2 Radiation Detectors
BT3 Measuring Instruments
BT1 Proportional Counters
BT2 Radiation Detectors
BT3 Measuring Instruments

BORON NITRIDES [01]
DA December 1, 1974
BT1 Boron Compounds
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides

BORON OXIDES [01]
DA December 1, 1974
BT1 Boron Compounds
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds
RT Borates

BORON PHOSPHATES [01]
DA December 1, 1974
BT1 Boron Compounds
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds
RT Borophosphate Glass

BORON PHOSPHIDES [01]
DA March 11, 1976
BT1 Boron Compounds
BT1 Phosphides
BT2 Phosphorus Compounds
BT2 Pnictides

BORON SILICATES [01]
DA December 1, 1974
BT1 Boron Compounds
BT1 Silicates
BT2 Oxygen Compounds
BT2 Silicon Compounds
RT Borosilicate Glass
RT Silicate Minerals
RT Tourmaline

BORON SILICIDES [01]
DA March 16, 1981
BT1 Boron Compounds

BT1 Silicides
BT2 Silicon Compounds

BORON SULFIDES [01]
DA December 1, 1974
BT1 Boron Compounds
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds

BORONIC ACIDS [01]
DA December 1, 1974
BT1 Boron Compounds
BT1 Organic Acids
BT2 Organic Compounds

BOROPHOSPHATE GLASS [01]
DA October 7, 1980
UF *Borophosphates*
BT1 Glass
RT Boron Phosphates
RT Borosilicate Glass
DEF Low-expansion heat-resistant glass.

Borophosphates
DA October 7, 1980
USE Borophosphate Glass

BOROSILICATE GLASS [01]
DA July 9, 1980
UF *Borosilicates*
BT1 Glass
NT1 Pyrex
RT Boron Silicates
RT Borophosphate Glass
DEF Low expansion heat resistant glass.

Borosilicates
(Prior to July 1980 this was a valid term and older information is so indexed.)
DA July 23, 1980
USE Borosilicate Glass

BORSSELE REACTOR [01]
(Borssele, Zeeland, Netherlands)
DA December 1, 1974
UF *KCB Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

BOSCH PROCESS
DA January 23, 1975
BT1 Chemical Reactions
RT Carbon Monoxide
RT Hydrogen Production
RT Steam
DEF Catalytic process for hydrogen production from carbon monoxide and steam.

BOSE-EINSTEIN CONDENSATION [01]
DA December 1, 1974
RT Pion Condensation
RT Superfluidity

BOSE-EINSTEIN GAS [01]
DA December 1, 1974
RT Bose-Einstein Statistics
RT Bosons
RT Fermi Gas

BOSE-EINSTEIN STATISTICS [01]
DA December 1, 1974
RT Bose-Einstein Gas
RT Bosons
RT Cooper Pairs
RT Fermi Statistics
RT Parastatistics
RT Statistical Mechanics

BOSON-EXCHANGE MODELS [01]
DA December 1, 1974
UF *Meson Exchange*
BT1 Peripheral Models
BT2 Particle Models
BT3 Mathematical Models
NT1 OBE Model
NT2 OPE Model
NT3 Electric Born Model
NT1 Sigma Model
RT Deep Inelastic Scattering

BOSON EXPANSION [01]
DA November 8, 1984
UF *Bosonization*
RT Boson-Fermion Symmetry
RT Collective Model
RT Dyson Representation
RT Generator-Coordinate Method
RT Hartree-Fock-Bogolyubov Theory
RT Interacting Boson Model
RT Quantum Mechanics
RT Quantum Operators
RT Random Phase Approximation
RT Series Expansion
RT Tamm-Dancoff Method

BOSON-FERMION SYMMETRY [01]
(Symmetry of a system containing a conserved number of bosons as well as fermions in which bosons and fermions share a common symmetry.)
DA December 26, 1984
UF *Dynamical Boson-Fermion Symmetry*
UF *Fermion-Boson Symmetry*
UF *Spinor Symmetry*
BT1 Symmetry
RT Boson Expansion
RT Bosons
RT Dynamical Groups
RT Fermions
RT Interacting Boson Model

Bosonization
DA November 8, 1984
USE Boson Expansion

BOSONS [01]
DA December 1, 1974
NT1 Gluons
NT1 Goldstone Bosons
NT2 Axions
NT1 Intermediate Bosons
NT2 Intermediate Vector Bosons
NT3 W Minus Bosons
NT3 W Plus Bosons
NT3 Z Neutral Bosons
* **NT1** Mesons
NT1 Photons
NT2 Cosmic Photons
RT Bose-Einstein Gas
RT Bose-Einstein Statistics
RT Boson-Fermion Symmetry
RT Interacting Boson Model

BOTANY [01]
DA December 1, 1974
BT1 Biology
NT1 Geobotany
RT Plants

BOTSWANA [01]
DA December 1, 1974
BT1 Africa
BT1 Developing Countries

Bottom Baryons
DA March 16, 1988
USE Beauty Baryons

Bottom-Hole Pressure
DA August 10, 1978
USE Well Pressure

Bottom Mesons
DA December 26, 1984
USE Beauty Mesons

Bottom Particles
DA February 22, 1985
USE Beauty Particles

Bottom Quark Model
DA November 7, 1979
USE Beauty Model

BOTTOMING CYCLES
DA February 20, 1975
BT1 Thermodynamic Cycles

BOTTOMONIUM [01]
DA February 1, 1988
SF *Upsilon Resonances*
BT1 Mesons
BT2 Bosons
BT2 Hadrons
BT3 Elementary Particles
BT1 Quarkonium
NT1 Chi B0-9860 Mesons
NT1 Chi B0-10235 Mesons
NT1 Chi B1-9895 Mesons
NT1 Chi B1-10255 Mesons
NT1 Chi B2-9915 Mesons
NT1 Chi B2-10270 Mesons
NT1 Upsilon-9460 Mesons
NT1 Upsilon-10023 Mesons
NT1 Upsilon-10355 Mesons
NT1 Upsilon-10575 Mesons
NT1 Upsilon-10860 Mesons
NT1 Upsilon-11020 Mesons
DEF A bound state of bottom and antibottom quarks.

BOUND STATE [01]
DA December 1, 1974
RT Charmonium
RT Coupling
RT Efimov Effect
RT Energy Levels
RT Glueballs
RT Impulse Approximation
RT Kaonium
RT Pi-K Atoms
RT Pi-Mu Atoms
RT Pionium
RT Quarkonium
RT Quasibound State
RT Toponium

Boundaries (Grain)
DA December 1, 1974
USE Grain Boundaries

BOUNDARY CONDITIONS [01]
DA December 1, 1974
UF *Asymptotic Conditions*
NT1 Marshak Boundary Conditions
NT1 Moving-Boundary Conditions
RT Asymptotic Solutions
RT Boundary-Value Problems
RT Cauchy Problem
RT Differential Equations
RT Phi4-Field Theory

→**BOUNDARY ELEMENT METHOD [01]**
DA February 14, 1992
BT1 Finite Element Method
BT2 Calculation Methods
BT2 Numerical Solution
RT Computer Calculations
RT Finite Difference Method
RT Mathematics
RT Mesh Generation

BOUNDARY LAYERS [01]
DA December 1, 1974
BT1 Layers
NT1 Plasma Scrape-Off Layer
RT Fluid Flow
RT Rosseland Approximation

BOUNDARY-VALUE PROBLEMS [01]
DA May 13, 1976
UF *Boundary Value Problems*
NT1 Dirichlet Problem
RT Boundary Conditions
RT Differential Equations

Boundary Value Problems
DA May 7, 1982
USE Boundary-Value Problems

Bovine
DA December 1, 1974
USE Cattle

BOWLINE OPERATION
DA November 23, 1979
BT1 Nuclear Explosions
BT2 Explosions
BT1 Underground Explosions
BT2 Explosions
NT1 Benham Event
NT1 Schooner Event
RT Contained Explosions

BOX MODELS [01]
DA July 31, 1987
BT1 Mathematical Models
RT Atmospheric Circulation
RT Climate Models
RT Oceanic Circulation

BOXCAR EVENT [01]
DA December 1, 1974
BT1 Crosstie Operation
BT2 Nuclear Explosions
BT3 Explosions
BT2 Underground Explosions
BT3 Explosions
RT Seismic Detection

BPA
DA March 16, 1977
USE Bonneville Power Administration

BPH [01]
DA December 1, 1974
UF *Benzoylphenylhydroxylamine*
BT1 Amines
BT2 Organic Compounds
BT1 Hydroxy Compounds
BT2 Organic Compounds
RT Amides

BR-1 REACTOR [01]
(C.E.N.-S.C.K. Mol, Belgium.)
DA December 1, 1974
UF *Belgian Reactor 1*
BT1 Air Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Graphite Moderated Reactors
BT2 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

BR-1 Reactor (USSR)
DA December 1, 1974
USE SBR-1 Reactor

BR-2 REACTOR [01]
DA December 1, 1974
UF *Belgian Reactor 2*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Materials Testing Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors

BR-2 Reactor (USSR)
DA December 1, 1974
USE SBR-2 Reactor

BR-2 Zero Power Mock-Up Reactor
DA December 1, 1974
USE BR-02 Reactor

BR-3 REACTOR [01]
DA December 1, 1974
UF *Belgian Reactor 3*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

BR-3-VN REACTOR [01]
DA December 1, 1974
UF *Belgian Reactor-3/Vulcain*
UF *BR-3/Vulcain Reactor*
UF *Vulcain/Belgian-3 Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Experimental Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Heavy Water Cooled Reactors
BT2 Reactors
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Mixed Spectrum Reactors
BT2 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors

BR-3/Vulcain Reactor
DA December 1, 1974
USE BR-3-VN Reactor

BR-5 Reactor (USSR)
DA December 1, 1974
USE SBR-5 Reactor

BR-02 REACTOR [01]
(C.E.N.-S.C.K., Mol, Belgium)
DA December 1, 1974
UF *Belgian Reactor 02*
UF *BR-2 Zero Power Mock-Up Reactor*
BT1 Beryllium Moderated Reactors
BT2 Metal Moderated Reactors
BT3 Reactors
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors

Brackish Water Ecosystems
DA December 1, 1974
USE Aquatic Ecosystems

BRADWELL REACTOR [01]
(Blackwater Estuary, Essex, UK)
DA December 1, 1974
BT1 Carbon Dioxide Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Magnox Type Reactors
BT2 GCR Type Reactors
BT3 Gas Cooled Reactors
BT4 Reactors
BT3 Graphite Moderated Reactors
BT4 Reactors
BT2 Natural Uranium Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

BRADYKININ [01]
DA January 21, 1975
BT1 Kinins
BT2 Polypeptides
BT3 Peptides
BT4 Proteins
BT5 Organic Compounds

Bragg Angle
DA December 1, 1974
USE Bragg Reflection

BRAGG CURVE [01]
DA December 1, 1974
UF *Bragg Peak*
UF *Bragg Zone*
BT1 Diagrams
RT Energy Losses
RT Ionization
RT LET

Bragg Diffraction
DA December 1, 1974
USE Bragg Reflection

BRAGG GRAY CHAMBERS [01]
DA December 1, 1974
UF *Air Wall Ionization Chambers*
UF *Cavity Ionization Chambers*
UF *Tissue Equivalent Chambers*
BT1 Dosemeters
BT2 Measuring Instruments
BT1 Ionization Chambers
BT2 Radiation Detectors
BT3 Measuring Instruments

Bragg Law
DA December 1, 1974
USE Bragg Reflection

Bragg Peak
DA December 1, 1974
USE Bragg Curve

BRAGG REFLECTION [01]
DA December 1, 1974
UF *Bragg Angle*
UF *Bragg Diffraction*
UF *Bragg Law*
UF *Laue-Bragg Scattering*
BT1 Reflection
RT X-Ray Diffraction

Bragg Zone
DA December 1, 1974
USE Bragg Curve

BRAIDWOOD-1 REACTOR [01]
(Braidwood, Illinois, USA)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

BRAIDWOOD-2 REACTOR [01]
(Braidwood, Illinois, USA)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors

BT2 Water Moderated Reactors
BT3 Reactors

BRAIN [01]
DA December 1, 1974
BT1 Central Nervous System
BT2 Nervous System
BT1 Organs
BT2 Body
NT1 Cerebellum
NT1 Cerebrum
NT2 Cerebral Cortex
NT1 Hippocampus
NT1 Hypothalamus
NT1 Olfactory Bulbs
NT1 Thalamus
RT Cerebral Arteries
RT Electroencephalography
RT Encephalitis
RT Endorphins
RT Head
RT Mental Disorders
RT Pineal Gland
RT Skull

BRAKES [01]
DA December 1, 1974
BT1 Machine Parts
NT1 Water Brakes
RT Regenerative Braking

Braking Radiation
DA December 1, 1974
USE Bremsstrahlung

BRANCHING RATIO [01]
DA December 1, 1974
RT Bethe-Heitler Theory
RT Decay
RT Ft Value
RT Mixing Ratio

BRANCHIOPODS [01]
DA June 15, 1981
BT1 Crustaceans
BT2 Aquatic Organisms
BT2 Arthropods
BT3 Invertebrates
BT4 Animals
NT1 Artemia
NT1 Daphnia

BRANNERITE [01]
DA December 1, 1974
BT1 Oxide Minerals
BT2 Minerals
BT1 Thorium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
RT Thorium Oxides
RT Titanium Oxides
RT Uranium Oxides

Brasimone PEC Reactor
DA December 1, 1974
USE PEC Brasimone Reactor

BRASS [01]
DA December 1, 1974
BT1 Copper Base Alloys
BT2 Copper Alloys
BT3 Alloys
BT1 Zinc Alloys
BT2 Alloys
NT1 Brass-Alpha
NT1 Brass-Beta
RT Heusler Alloys
RT Muntz Metal
RT Ounce Metal

BRASS-ALPHA [01]
DA December 1, 1974
BT1 Brass
BT2 Copper Base Alloys
BT3 Copper Alloys
BT4 Alloys
BT2 Zinc Alloys
BT3 Alloys

BRASS-BETA [01]
DA December 1, 1974
BT1 Brass
BT2 Copper Base Alloys
BT3 Copper Alloys
BT4 Alloys
BT2 Zinc Alloys
BT3 Alloys

BRASSICA [01]
DA December 1, 1974
UF *Cabbage*
UF *Cauliflower*
UF *Mustard*
UF *Sarson*
UF *Turnips*
BT1 Magnoliopsida
BT2 Magnoliophyta
BT3 Plants
BT1 Vegetables
BT2 Food
BT2 Plants
NT1 Kale
RT Radishes

BRAUN STANDARD TURBINE ISLAND
DA July 29, 1975
UF *C F Braun Standard Turbine Island*
RT BWR Type Reactors
RT Steam Systems
RT Turbogenerators

Braunschweig Experimental Reactor
DA December 1, 1974
USE FMRB Reactor

Braunschweig Research Reactor
DA December 1, 1974
USE FMRB Reactor

BRAVO EVENT [01]
DA May 23, 1984
BT1 Castle Project
BT2 Nuclear Explosions
BT3 Explosions
BT1 Surface Explosions
BT2 Explosions
RT Bikini
RT Thermonuclear Explosions

BRAWLEY GEOTHERMAL FIELD [01]
DA July 27, 1982
BT1 California
BT2 USA
BT3 Developed Countries
BT3 North America
BT1 Geothermal Fields

BRAYTON CYCLE [01]
DA December 1, 1974
BT1 Thermodynamic Cycles
RT Brayton Cycle Power Systems
RT Thermodynamics
DEF A thermodynamic cycle consisting of two constant-pressure processes interspersed with two constant-entropy cycles.

BRAYTON CYCLE POWER SYSTEMS
DA January 28, 1975
BT1 Power Systems
BT2 Energy Systems
RT Brayton Cycle
RT Gas Turbines
RT Solar Heat Engines

BRAZED JOINTS [01]
DA January 21, 1975
BT1 Welded Joints
BT2 Joints
RT Brazing

BRAZIL [01]
DA December 1, 1974
BT1 Developing Countries
BT1 South America
BT2 Latin America
RT Amazon River
RT Osamu Utsumi Mine

Brazil Lab for Synchrotron Radiation
DA February 25, 1991
USE Brazilian LNLS

BRAZILIAN CNEN [01]
(Comissao Nacional de Energia Nuclear de Brasil.)
DA September 10, 1982
UF *CNEN Brazil*
BT1 Brazilian Organizations
BT2 National Organizations

→**BRAZILIAN LNLS [01]**
(Brazilian Laboratory for Synchrotron Radiation.)
DA February 25, 1991
UF *Brazil Lab for Synchrotron Radiation*
BT1 Brazilian Organizations
BT2 National Organizations

Brazilian LNLS Synchrotron
DA February 25, 1991
USE LNLS Storage Ring

BRAZILIAN ORGANIZATIONS [01]
DA June 3, 1977
BT1 National Organizations
NT1 Brazilian CNEN
NT1 Brazilian LNLS
NT1 Nuclebras

BRAZING [01]
DA December 1, 1974
UF *Hard Soldering*
BT1 Welding
BT2 Joining
BT3 Fabrication
RT Brazed Joints
RT Brazing Alloys
RT Soldering

BRAZING ALLOYS [01]
DA December 1, 1974
BT1 Alloys
RT Brazing
RT Filler Metals

BRAZOS RIVER [01]
DA January 21, 1975
BT1 Rivers
BT2 Streams
BT3 Surface Waters
RT Texas

BRAZZAVILLE [01]
DA December 1, 1974
BT1 Congo Peoples Republic
BT2 Africa
BT2 Developing Countries

BREAD [01]
DA December 1, 1974
BT1 Food
RT Flour

BREAKDOWN [01]
(Limited to electric discharge phenomena. See also CLEAVAGE or DECOMPOSITION.)
DA December 1, 1974
RT Electric Discharges
RT Electric Potential
RT Electric Sparks
RT Electrical Faults
RT Flashover
RT Lichtenberg Figures
RT Overvoltage
RT Paschen Law
RT Spark Gaps

Breakers (Circuit)
DA December 1, 1974
USE Circuit Breakers

BREAKEVEN [01]
DA April 4, 1975

UF *Zero Energy Balance*
BT1 Energy Balance
RT Lawson Criterion
RT Plasma
RT Thermonuclear Reactors

BREAKUP REACTIONS [01]
DA December 1, 1974
BT1 Nuclear Reactions

Breakwaters
DA April 29, 1975
USE Dams

Breasts
DA December 1, 1974
USE Mammary Glands

BREATH [01]
DA December 1, 1974
RT Air
RT Exhalation
RT Inhalation
RT Respiration
RT Respirators
RT Respiratory System
RT Respiratory System Diseases

Breathing
DA December 1, 1974
USE Respiration

BREEDER REACTORS [01]
DA December 1, 1974
BT1 Reactors
* **NT1** FBR Type Reactors
NT1 LWBR Type Reactors
RT Accelerator Breeders
RT Breeding Blankets
RT Breeding Pellets
RT ZPR-9 Reactor

BREEDING [01]
(Fuel breeding only. See also ANIMAL BREEDING and PLANT BREEDING.)
DA December 1, 1974
BT1 Nuclear Fuel Conversion
RT Accelerator Breeders
RT Breeding Blankets
RT Breeding Pellets
RT Breeding Ratio
RT Transmutation
RT Tritium Recovery

BREEDING BLANKETS [01]
DA December 1, 1974
UF *Blankets (Breeding)*
BT1 Reactor Components
RT Breeder Reactors
RT Breeding
RT Breeding Pellets
RT Fertile Materials
RT Flibe
RT Lotus Facility
RT Thermonuclear Devices

BREEDING PELLETS [01]
DA August 24, 1976
UF *Pellets (Breeding)*
RT Breeder Reactors
RT Breeding
RT Breeding Blankets
RT Pelletizing
RT Thermonuclear Reactors

BREEDING RATIO [01]
DA December 1, 1974
BT1 Conversion Ratio
RT Breeding

BREIT-WIGNER FORMULA [01]
DA December 1, 1974
UF *Single-Level Resonance Formula*
RT Cross Sections
RT Multilevel Analysis

BREMSSTRAHLUNG [01]
DA December 1, 1974
UF *Braking Radiation*
BT1 Electromagnetic Radiation
BT2 Radiations
NT1 Cyclotron Radiation
NT1 Internal Bremsstrahlung
NT1 Ondulator Radiation
NT1 Synchrotron Radiation
RT Bethe-Heitler Theory
RT Migdal Theory
RT Peierls Method
RT Penfold-Leiss Method
RT Radiation Length
RT Tagged Photon Method

Bremsstrahlung (Magnetic)
DA December 1, 1974
USE Synchrotron Radiation

BRICKS [01]
DA December 1, 1974
BT1 Building Materials
BT2 Materials
RT Adobe

BRIDGES [01]
DA June 12, 1975
BT1 Mechanical Structures
RT Roads

Bridges (Electric)
DA December 1, 1974
USE Electric Bridges

BRIDGMAN METHOD [01]
DA December 1, 1974
BT1 Crystal Growth Methods
RT Crystal Growth

BRIGGS CRITERION [01]
(Used to distinguish between absolute and convective plasma instabilities.)
DA December 1, 1974
RT Absolute Instabilities
RT Convective Instabilities

Brigham Young University Laboratory Reactor
DA December 1, 1974
USE BYU L-77 Reactor

BRIGHTNESS [01]
DA December 1, 1974
BT1 Optical Properties
BT2 Physical Properties
RT Beam Emittance
RT Illuminance
RT Luminosity

BRILLOUIN EFFECT [01]
DA December 1, 1974
UF *Brillouin Scattering*
BT1 Coherent Scattering
BT2 Scattering

Brillouin Scattering
DA December 1, 1974
USE Brillouin Effect

BRILLOUIN THEOREM
DA January 21, 1975
RT Energy Levels
RT Matrix Elements
RT Wave Functions
DEF Theorem states that if two determinants constructed from exact Hartree-Fock orbitals differ in one spin orbital, the matrix element connecting these two determinants will vanish.

BRILLOUIN ZONES [01]
DA December 1, 1974
BT1 Zones
RT Band Theory

Brine Shrimp
DA June 15, 1981
USE Artemia

BRINELL HARDNESS [01]
DA December 1, 1974
RT Hardness

BRINES [01]
DA December 1, 1974
RT Disposal Wells
RT Geothermal Fluids
RT Salinity
RT Salts
RT Seawater
RT Solutions
DEF Water saturated or strongly impregnated with common salt.

BRINKMAN-KRAMERS APPROXIMATION [01]
DA December 1, 1974
RT Perturbation Theory
RT Scattering

BRIQUETS
DA June 12, 1975
BT1 Solid Fuels
BT2 Fuels
RT Coal Fines
RT Fossil Fuels

BRIQUETTING [01]
DA October 1, 1975
BT1 Molding
BT2 Fabrication
RT Agglomeration
RT Caking
RT Compacting
RT Formed Coke Processes
RT Pelletizing

BRITISH COAL
DA May 17, 1989
BT1 United Kingdom Organizations
BT2 National Organizations

BRITISH COLUMBIA [01]
DA December 1, 1974
BT1 Canada
BT2 Developed Countries
BT2 North America
RT Blizzard Deposit
RT Peace River

British Experimental Pile Operation
DA December 1, 1974
USE BEPO Reactor

British Gas Corporation Process
DA January 7, 1976
USE CRG Processes

BRITISH GUIANA [01]
(Now GUYANA, an independent republic.)
DA December 1, 1974
BT1 South America
BT2 Latin America
RT Guyana

British Nuclear Fuels Limited
DA May 6, 1980
USE BNFL

BRITTLE-DUCTILE TRANSITIONS
DA February 5, 1975
UF *Transitions (Brittle-Ductile)*
RT Brittleness
RT Ductility
RT Embrittlement

BRITTLENESS [01]
DA December 1, 1974
BT1 Mechanical Properties
RT Brittle-Ductile Transitions
RT Crack Propagation
RT Ductile-Brittle Transitions
RT Embrittlement
RT Helium Embrittlement
RT Hydrogen Embrittlement

BROADLANDS GEOTHERMAL FIELD
DA January 23, 1975
BT1 Geothermal Fields
RT Geothermal Hot-Water Systems
RT New Zealand

BROEGGERITE [01]
DA December 1, 1974

BT1 Uraninites
BT2 Oxide Minerals
BT3 Minerals
BT2 Uranium Minerals
BT3 Radioactive Minerals
BT4 Minerals
BT4 Radioactive Materials
BT5 Materials

BROENSTED ACIDS
DA September 15, 1983
BT1 Inorganic Acids
BT2 Hydrogen Compounds
RT Lewis Acids
DEF An acid as proton donor.

BROKDORF REACTOR [01]
(Wilstermarsch Schleswig-Holstein, Federal Republic of Germany)
DA November 1, 1976
UF *Kernkraftwerk Brokdorf*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

BROKEN-PAIR APPROXIMATION [01]
DA January 21, 1975
RT Nuclear Theory
RT Shell Models
DEF A method, which conserves nucleon number, developed to treat pairing correlations in nuclei. It is an approximation to the seniority shell model and takes into acount the quasi-particle residual interaction.

BROMAMINES
DA December 8, 1980
BT1 Amines
BT2 Organic Compounds
BT1 Organic Bromine Compounds
BT2 Organic Halogen Compounds
BT3 Organic Compounds

BROMATES [01]
(Specific compounds, except those of significance to energy research and development, should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
DA December 1, 1974
BT1 Bromine Compounds
BT2 Halogen Compounds
BT1 Oxygen Compounds
RT Bromic Acid

BROMIC ACID [01]
DA December 1, 1974
BT1 Bromine Compounds
BT2 Halogen Compounds
BT1 Inorganic Acids
BT2 Hydrogen Compounds
BT1 Oxygen Compounds
RT Bromates

BROMIDES [01]
DA December 1, 1974
BT1 Bromine Compounds
BT2 Halogen Compounds
BT1 Halides
BT2 Halogen Compounds
NT1 Actinium Bromides
NT1 Aluminium Bromides
NT1 Americium Bromides
NT1 Antimony Bromides
NT1 Arsenic Bromides
NT1 Astatine Bromides
NT1 Barium Bromides
NT1 Berkelium Bromides
NT1 Beryllium Bromides
NT1 Bismuth Bromides
NT1 Boron Bromides
NT1 Cadmium Bromides
NT1 Calcium Bromides
NT1 Californium Bromides
NT1 Cerium Bromides
NT1 Cesium Bromides
NT1 Chromium Bromides
NT1 Cobalt Bromides
NT1 Copper Bromides
NT1 Curium Bromides
NT1 Dysprosium Bromides
NT1 Einsteinium Bromides
NT1 Erbium Bromides
NT1 Europium Bromides
NT1 Fermium Bromides
NT1 Francium Bromides
NT1 Gadolinium Bromides
NT1 Gallium Bromides
NT1 Germanium Bromides
NT1 Gold Bromides
NT1 Hafnium Bromides
NT1 Holmium Bromides
NT1 Indium Bromides
NT1 Iodine Bromides
NT1 Iron Bromides
NT1 Krypton Bromides
NT1 Lanthanum Bromides
NT1 Lead Bromides
NT1 Lithium Bromides
NT1 Lutetium Bromides
NT1 Magnesium Bromides
NT1 Manganese Bromides
NT1 Mercury Bromides
NT1 Molybdenum Bromides
NT1 Neodymium Bromides
NT1 Neptunium Bromides
NT1 Nickel Bromides
NT1 Niobium Bromides
NT1 Nitrogen Bromides
NT1 Palladium Bromides
NT1 Phosphorus Bromides
NT1 Platinum Bromides
NT1 Plutonium Bromides
NT1 Polonium Bromides
NT1 Potassium Bromides
NT1 Praseodymium Bromides
NT1 Promethium Bromides
NT1 Protactinium Bromides
NT1 Radium Bromides
NT1 Rhenium Bromides
NT1 Rhodium Bromides
NT1 Rubidium Bromides
NT1 Ruthenium Bromides
NT1 Samarium Bromides
NT1 Scandium Bromides
NT1 Selenium Bromides
NT1 Silicon Bromides
NT1 Silver Bromides
NT1 Sodium Bromides
NT1 Strontium Bromides
NT1 Tantalum Bromides
NT1 TEAB
NT1 Technetium Bromides
NT1 Tellurium Bromides
NT1 Terbium Bromides
NT1 Thallium Bromides
NT1 Thorium Bromides
NT1 Thulium Bromides
NT1 Tin Bromides
NT1 Titanium Bromides
NT1 Tungsten Bromides
NT1 Uranium Bromides
NT1 Vanadium Bromides
NT1 Xenon Bromides
NT1 Ytterbium Bromides
NT1 Yttrium Bromides
NT1 Zinc Bromides
NT1 Zirconium Bromides
RT Bromine Additions
RT Hydrobromic Acid
RT Oxybromides

BROMINATED ALICYCLIC HYDROCARBONS
DA February 6, 1975
BT1 Halogenated Alicyclic Hydrocarbons
BT2 Organic Halogen Compounds
BT3 Organic Compounds
BT1 Organic Bromine Compounds
BT2 Organic Halogen Compounds
BT3 Organic Compounds

BROMINATED ALIPHATIC HYDROCARBONS [01]
DA February 6, 1975
BT1 Halogenated Aliphatic Hydrocarbons
BT2 Organic Halogen Compounds
BT3 Organic Compounds
BT1 Organic Bromine Compounds
BT2 Organic Halogen Compounds
BT3 Organic Compounds
NT1 Bromoform
NT1 Methyl Bromide

BROMINATED AROMATIC HYDROCARBONS [01]
DA February 6, 1975
BT1 Halogenated Aromatic Hydrocarbons
BT2 Aromatics
BT3 Organic Compounds
BT2 Organic Halogen Compounds
BT3 Organic Compounds
BT1 Organic Bromine Compounds
BT2 Organic Halogen Compounds
BT3 Organic Compounds

BROMINATION [01]
DA December 1, 1974
BT1 Halogenation
BT2 Chemical Reactions

BROMINE [01]
DA December 1, 1974
UF *Bromine Bromides*
BT1 Halogens
BT2 Nonmetals
BT3 Elements

BROMINE 69 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Bromine Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei

BROMINE 70 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Bromine Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

BROMINE 71 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Bromine Isotopes
BT2 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BROMINE 71 TARGET [01]
DA December 5, 1988
BT1 Targets

BROMINE 72 [01]
DA December 1, 1974
BT1 Beta Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Bromine Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd Odd Nuclei
BT2 Nuclei

BROMINE 73 [01]
DA December 1, 1974
BT1 Beta Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Bromine Isotopes
BT2 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd Even Nuclei
BT2 Nuclei

BROMINE 74 [01]
DA December 1, 1974
BT1 Beta Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Bromine Isotopes
BT2 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd Odd Nuclei
BT2 Nuclei

BROMINE 75 [01]
DA December 1, 1974
BT1 Beta Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Bromine Isotopes
BT2 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd Even Nuclei
BT2 Nuclei

BROMINE 76 [01]
DA December 1, 1974
BT1 Beta Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Bromine Isotopes
BT2 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BROMINE 76 TARGET [01]
DA March 28, 1979
BT1 Targets

BROMINE 77 [01]
DA December 1, 1974
BT1 Beta Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Bromine Isotopes
BT2 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd Even Nuclei
BT2 Nuclei

BROMINE 78 [01]
DA December 1, 1974
BT1 Beta Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Bromine Isotopes
BT2 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd Odd Nuclei
BT2 Nuclei

BROMINE 79 [01]
DA December 1, 1974
BT1 Bromine Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Stable Isotopes
BT2 Isotopes
RT Bromine 79 Beams

BROMINE 79 BEAMS [01]
DA August 24, 1976
BT1 Ion Beams
BT2 Beams
RT Bromine 79

BROMINE 79 REACTIONS [01]
DA September 22, 1988
BT1 Heavy Ion Reactions
BT2 Charged Particle Reactions
BT3 Nuclear Reactions

BROMINE 79 TARGET [01]
DA July 9, 1976
BT1 Targets

BROMINE 80 [01]
DA December 1, 1974
BT1 Beta Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Beta Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Bromine Isotopes
BT2 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd Odd Nuclei
BT2 Nuclei

BROMINE 81 [01]
DA December 1, 1974
BT1 Bromine Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd Even Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

BROMINE 81 REACTIONS [01]
DA November 23, 1979
BT1 Heavy Ion Reactions
BT2 Charged Particle Reactions
BT3 Nuclear Reactions

BROMINE 81 TARGET [01]
DA July 9, 1976
BT1 Targets

BROMINE 82 [01]
DA December 1, 1974
BT1 Beta Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Bromine Isotopes
BT2 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd Odd Nuclei
BT2 Nuclei

BROMINE 83 [01]
DA December 1, 1974
BT1 Beta Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes

BT4 Isotopes
BT1 Bromine Isotopes
BT2 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Nanosec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd Even Nuclei
BT2 Nuclei

BROMINE 84 [01]
DA December 1 1974
BT1 Beta Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Bromine Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd Odd Nuclei
BT2 Nuclei

BROMINE 85 [01]
DA December 1 1974
BT1 Beta Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Bromine Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd Even Nuclei
BT2 Nuclei

BROMINE 86 [01]
DA December 1 1974
BT1 Beta Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Bromine Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BROMINE 87 [01]
DA December 1 1974
BT1 Beta Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Bromine Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BROMINE 88 [01]
DA December 1 1974
BT1 Beta Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Bromine Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BROMINE 89 [01]
DA December 1 1974
BT1 Beta Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Bromine Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BROMINE 90 [01]
DA December 1 1974
BT1 Beta Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Bromine Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BROMINE 91 [01]
DA December 1 1974
BT1 Beta Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Bromine Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BROMINE 92 [01]
DA December 1 1974
BT1 Beta Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Bromine Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd Odd Nuclei
BT2 Nuclei

BROMINE 93 [01]
DA November 1 1988
BT1 Beta Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Bromine Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd Even Nuclei
BT2 Nuclei

BROMINE ADDITIONS [01]
DA December 1 1974
RT Bromates

Bromine Bromates
DA December 1 1974
USE Bromine

BROMINE CHLORIDES [01]
DA December 1 1974
UF Chlorine Bromides
BT1 Bromine Compounds
BT2 Halogen Compounds
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds

BROMINE COMPLEXES [01]
DA December 1 1974
BT1 Complexes

BROMINE COMPOUNDS [01]
DA December 1 1974
BT1 Halogen Compounds
NT1 Bromates
NT1 Bromic Acid
* NT1 Bromites
NT1 Bromine Chlorides
NT1 Bromine Fluorides
NT1 Bromine Oxides
NT1 Hydrobromic Acid
NT1 Oxybromates
NT1 Perbromates
RT Organic Bromine Compounds

BROMINE FLUORIDES [01]
DA December 1 1974
UF Fluorine Bromides
BT1 Bromine Compounds
BT2 Halogen Compounds
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds

Bromine Iodide
DA December 1 1974
USE Iodine Bromides

BROMINE IONS [01]
DA December 1 1974
BT1 Ions
BT2 Charged Particles

BROMINE ISOTOPES [01]
DA December 1 1974
BT1 Isotopes
NT1 Bromine 69
NT1 Bromine 70
NT1 Bromine 71
NT1 Bromine 72
NT1 Bromine 73
NT1 Bromine 74
NT1 Bromine 75
NT1 Bromine 76
NT1 Bromine 77
NT1 Bromine 78
NT1 Bromine 79
NT1 Bromine 80
NT1 Bromine 81
NT1 Bromine 82
NT1 Bromine 83
NT1 Bromine 84
NT1 Bromine 85
NT1 Bromine 86
NT1 Bromine 87
NT1 Bromine 88
NT1 Bromine 89
NT1 Bromine 90
NT1 Bromine 91
NT1 Bromine 92
NT1 Bromine 93

BROMINE NUMBER
DA May 17 1976

RT Gasoline
RT Oils
DEF Number of centigrams of bromine which are absorbed by 1 gram of oil under certain conditions

BROMINE OXIDES (01)
DA December 1 1974
BT1 Bromine Compounds
BT2 Halogen Compounds
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds
RT Oxybromates

Bromobenzylcyanide
DA December 1 1974
USE BUDR

BROMOFORM (01)
DA December 1 1974
BT1 Brominated Aliphatic Hydrocarbons
BT2 Halogenated Aliphatic Hydrocarbons
BT3 Organic Halogen Compounds
BT4 Organic Compounds
BT2 Organic Bromine Compounds
BT3 Organic Halogen Compounds
BT4 Organic Compounds
RT Hydrocarbons
RT Methane

BROMOSULFOPHTHALEIN (01)
DA December 1 1974
BT1 Carboxylic Acid Esters
BT2 Esters
BT3 Organic Compounds
BT1 Indicators
BT1 Organic Bromine Compounds
BT2 Organic Halogen Compounds
BT3 Organic Compounds
BT1 Polyphenols
BT2 Phenols
BT3 Aromatics
BT4 Organic Compounds
BT3 Hydroxy Compounds
BT4 Organic Compounds
BT1 Reagents
BT1 Sulfonic Acids
BT2 Organic Acids
BT3 Organic Compounds
BT2 Organic Sulfur Compounds
BT3 Organic Compounds
RT Phenolic Acid

BROMOURACILS (01)
DA December 1 1974
BT1 Antimetabolites
BT2 Drugs
BT1 Organic Bromine Compounds
BT2 Organic Halogen Compounds
BT3 Organic Compounds
BT1 Uracils
BT2 Hydroxy Compounds
BT3 Organic Compounds
BT2 Pyrimidines
BT3 Azines
BT4 Heterocyclic Compounds
BT5 Organic Compounds
BT4 Organic Halogen Compounds
BT5 Organic Compounds
NT1 BUDR

BRONCHI (01)
DA December 1 1974
BT1 Respiratory System
RT Bronchitis
RT Lungs
RT Respiratory Tract Cells

BRONCHITIS (01)
DA December 1 1974
BT1 Respiratory System Diseases
BT2 Diseases
RT Bronchi

Bronchogenic Carcinoma
DA December 1 1974
USE Carcinomas
AND Respiratory System Diseases

BRONCHOPNEUMONIA (01)
DA December 1 1974
BT1 Pneumonia
BT2 Respiratory System Diseases
BT3 Diseases

BRONCO EVENT
DA June 30 1975
BT1 Nuclear Explosions
BT2 Explosions
BT1 Plowshare Project

BRONZE (01)
DA December 1 1974
BT1 Copper Base Alloys
BT2 Copper Alloys
BT3 Alloys
BT1 Tin Alloys
BT2 Alloys
RT Heusler Alloys

Bronze (Sodium Tungsten)
DA August 9 1979
USE Sodium Tungsten Bronze

BROOKHAVEN 200-MEV LINAC (01)
DA December 10 1979
BT1 Linear Accelerators
BT2 Accelerators
RT Brookhaven AGS

BROOKHAVEN AGS (01)
DA December 1 1974
BT1 Synchrotrons
BT2 Cyclic Accelerators
BT3 Accelerators
RT Brookhaven 200 MeV Linac

BROOKHAVEN CYCLOTRON (01)
DA December 1 1974
BT1 Isochronous Cyclotrons
BT2 Cyclotrons
BT3 Cyclic Accelerators
BT4 Accelerators

Brookhaven Graphite Research Reactor
DA December 1 1974
USE BGRR Reactor

Brookhaven High Flux Beam Reactor
DA December 1 1974
USE HFBR Reactor

Brookhaven Intersecting Storage Accelerators
DA December 1 1974
USE Isabelle Storage Rings

Brookhaven Medical Research Reactor
DA December 1 1974
USE MRR Reactor

Brookhaven National Laboratory
DA December 1 1974
USE BNL

BROOKHAVEN RHIC (01)
(Relativistic Heavy Ion Collider facility located in former Isabelle Storage Ring tunnel)
DA January 14 1986
BT1 Heavy Ion Accelerators
BT2 Accelerators
BT1 Storage Rings
RT Isabelle Storage Rings

BROWN COAL (01)
DA January 24 1975
SF Soft Coal
BT1 Coal
BT2 Carbonaceous Materials
BT3 Materials
BT2 Fossil Fuels
BT3 Energy Sources
BT3 Fuels
NT1 Lignite

Brown Coal Liquefaction Process
DA October 10 1986
USE BCL Process

BROWNIAN MOVEMENT (01)
DA December 1 1974
RT Collisions
RT Colloids
RT Motion

BROWNOUTS
DA February 7 1978
RT Blackouts
RT Electric Power
RT Outages

BROWNS FERRY-1 REACTOR (01)
(Decatur Alabama USA)
DA December 1 1974
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Mixed Spectrum Reactors
BT2 Reactors

BROWNS FERRY-2 REACTOR (01)
(Decatur Alabama USA)
DA December 1 1974
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Mixed Spectrum Reactors
BT2 Reactors

BROWNS FERRY-3 REACTOR (01)
(Decatur Alabama USA)
DA December 1 1974
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Mixed Spectrum Reactors
BT2 Reactors

BRR REACTOR (01)
(University of California Berkeley California USA)
DA December 1 1974
UF Berkeley Research Reactor
UF BMI Reactor
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

BRUCE-1 REACTOR (01)
(Tiverton Ontario Canada)
DA December 1 1974
BT1 Candu Type Reactors

BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT2 Pressure Tube Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 PHWR Type Reactors
BT2 Heavy Water Cooled Reactors
BT3 Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
RT Bruce Site

BRUCE-2 REACTOR [01]
(Tiverton, Ontario, Canada)
DA December 1, 1974
BT1 Candu Type Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT2 Pressure Tube Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 PHWR Type Reactors
BT2 Heavy Water Cooled Reactors
BT3 Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
RT Bruce Site

BRUCE-3 REACTOR [01]
(Tiverton, Ontario, Canada)
DA December 1, 1974
BT1 Candu Type Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT2 Pressure Tube Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 PHWR Type Reactors
BT2 Heavy Water Cooled Reactors
BT3 Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
RT Bruce Site

BRUCE-4 REACTOR [01]
(Tiverton, Ontario, Canada)
DA December 1, 1974
BT1 Candu Type Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT2 Pressure Tube Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 PHWR Type Reactors
BT2 Heavy Water Cooled Reactors
BT3 Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
RT Bruce Site

BRUCE-5 REACTOR [01]
(Tiverton, Ontario, Canada)
DA August 7, 1978
BT1 Candu Type Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT2 Pressure Tube Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 PHWR Type Reactors
BT2 Heavy Water Cooled Reactors
BT3 Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
RT Bruce Site

BRUCE-6 REACTOR [01]
(Tiverton, Ontario, Canada)
DA August 7, 1978
BT1 Candu Type Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT2 Pressure Tube Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 PHWR Type Reactors
BT2 Heavy Water Cooled Reactors
BT3 Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
RT Bruce Site

BRUCE-7 REACTOR [01]
(Tiverton, Ontario, Canada)
DA August 7, 1978
BT1 Candu Type Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT2 Pressure Tube Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 PHWR Type Reactors
BT2 Heavy Water Cooled Reactors
BT3 Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
RT Bruce Site

BRUCE-8 REACTOR [01]
(Tiverton, Ontario, Canada)
DA August 7, 1978
BT1 Candu Type Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT2 Pressure Tube Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 PHWR Type Reactors
BT2 Heavy Water Cooled Reactors
BT3 Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
RT Bruce Site

BRUCE SITE [01]
(Tiverton, Ontario, Canada)
DA May 6, 1993
BT1 Reactor Sites
RT Bruce 1 Reactor
RT Bruce 2 Reactor
RT Bruce 3 Reactor
RT Bruce 4 Reactor
RT Bruce 5 Reactor
RT Bruce 6 Reactor
RT Bruce 7 Reactor
RT Bruce 8 Reactor

BRUCELLA [01]
DA December 1, 1974
BT1 Bacteria
BT2 Microorganisms

Brueckner Approximation
DA December 1, 1974
USE Goldstone Diagrams

Brueckner-Gammel Potential
DA December 1, 1974
USE Brueckner Method

Brueckner-Gammel-Weitzner Theory
DA December 1, 1974
USE Brueckner Method

Brueckner-Goldstone Theory
DA December 1, 1974
USE Goldstone Diagrams

BRUECKNER METHOD [01]
DA December 1, 1974
UF *Brueckner-Gammel Potential*
UF *Brueckner-Gammel-Weitzner Theory*
BT1 Calculation Methods
RT Brueckner Model
RT Nuclear Models
RT Nucleons

BRUECKNER MODEL [01]
DA December 1, 1974
UF *Brueckner Potential*
UF *Brueckner-Watson Theory*
BT1 Nuclear Models
BT2 Mathematical Models
RT Brueckner Method

Brueckner Potential
DA December 1, 1974
USE Brueckner Model

Brueckner-Sawada Theory
DA December 1, 1974
USE Goldstone Diagrams

Brueckner-Watson Theory
DA December 1, 1974
USE Brueckner Model

BRUNEI [01]
(Sultanate and British Protectorate, NW Borneo)
DA July 7, 1976
BT1 Asia

Bruno Leuschner 1 Reactor
DA June 16, 1975
USE Greifswald-1 Reactor

Bruno Leuschner 2 Reactor
DA June 16, 1975
USE Greifswald-2 Reactor

Bruno Leuschner 3 Reactor
DA September 11, 1978
USE Greifswald-3 Reactor

Bruno Leuschner 4 Reactor
DA September 11, 1978
USE Greifswald-4 Reactor

BRUNSBUETTEL REACTOR [01]
DA December 1, 1974
SF *KKB Reactor*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

BRUNSWICK-1 REACTOR [01]
(Southport, North Carolina, USA)
DA December 1, 1974
BT1 BWR Type Reactors

BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

BRUNSWICK-2 REACTOR [01]
(Southport, North Carolina, USA)
DA December 1, 1974
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

BRYOPHYTA [01]
DA June 1, 1989
BT1 Plants
NT1 Mosses

BRYOZOA [01]
DA February 22, 1985
BT1 Aquatic Organisms
BT1 Invertebrates
BT2 Animals

BSF Reactor
DA December 1, 1974
USE BSR-1 Reactor

BSG DEVICES [01]
DA December 1, 1974
BT1 Linear Theta Pinch Devices
BT2 Linear Pinch Devices
BT3 Open Plasma Devices
BT4 Thermonuclear Devices
BT3 Pinch Devices
BT4 Thermonuclear Devices
BT1 Magnetic Mirrors
BT2 Open Plasma Devices
BT3 Thermonuclear Devices

BSR-1 REACTOR [01]
(Oak Ridge National Laboratory, Oak Ridge, Tennessee)
DA December 1, 1974
UF *BSF Reactor*
UF *Bulk Shielding Reactor-1*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

BSR-2 REACTOR [01]
(Oak Ridge National Laboratory, Oak Ridge, Tennessee)
DA December 1, 1974
UF *Bulk Shielding Reactor-2*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

BTU Content
DA October 24, 1984
USE Calorific Value

BTU Meters
DA October 24, 1981
USE Heat Meters

BUBBLE CHAMBERS [01]
DA December 1, 1974
BT1 Gas Track Detectors
BT2 Radiation Detectors
BT3 Measuring Instruments
NT1 Cryogenic Bubble Chambers
NT1 Heavy Liquid Bubble Chambers
NT1 Ultrasonic Bubble Chambers
RT Digitizers

BUBBLE GROWTH [01]
DA December 1, 1974
UF *Growth (Bubble)*
RT Boiling
RT Boiling Detection

BUBBLES [01]
DA December 1, 1974
RT Aeration
RT Blisters
RT Boiling Detection
RT Flow Visualization
RT Foams
RT Voids

Bubiag-Didier Process
(Prior to July 1993, this was a valid descriptor.)
DA January 24, 1975
USE Coal Gasification

BUCKET WHEEL EXCAVATORS
DA April 28, 1978
BT1 Earthmoving Equipment
BT2 Materials Handling Equipment
BT3 Equipment
BT1 Mining Equipment
BT2 Equipment

BUCKINGHAM POTENTIAL [01]
DA December 1, 1974
BT1 Potentials
RT Interatomic Forces

BUCKLING [01]
(For neutron density distribution in reactors; for structural buckling see DEFORMATION or FAILURES.)
DA December 1, 1974
NT1 Geometric Buckling
NT1 Material Buckling
RT Criticality

Buckling (Structural)
DA December 1, 1974
USE Deformation

BUCKWHEAT [01]
DA December 1, 1974
BT1 Liliopsida
BT2 Magnoliophyta
BT3 Plants
RT Cereals

BUDAPEST TRAINING REACTOR [01]
DA January 21, 1975
BT1 Thermal Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 WWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Tank Type Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

BUDGETS [01]
DA December 1, 1974
RT Allocations
RT Cost
RT Credit Accounts
RT Economics
RT Expenditures
RT Financial Data
RT Financing

Budker Accelerators
DA December 1, 1974
USE Plasma Betatrons

BUDR [01]
DA December 1, 1974
UF *Bromodeoxyuridine*
BT1 Bromouracils
BT2 Antimetabolites
BT3 Drugs
BT2 Organic Bromine Compounds
BT3 Organic Halogen Compounds
BT4 Organic Compounds
BT2 Uracils
BT3 Hydroxy Compounds
BT4 Organic Compounds
BT3 Pyrimidines
BT4 Azines
BT5 Heterocyclic Compounds
BT6 Organic Compounds
BT5 Organic Nitrogen Compounds
BT6 Organic Compounds
BT1 Nucleosides
BT2 Nucleotides
BT3 Organic Compounds
BT2 Ribosides
RT Deoxyuridine

BUDS [01]
DA December 1, 1974
RT Plants

BUFFALO [01]
DA December 1, 1974
BT1 Ruminants
BT2 Mammals
BT3 Vertebrates
BT4 Animals
RT Domestic Animals

BUFFALO GOURD [01]
DA November 25, 1980
UF *Cucurbita foetidissima*
BT1 Magnoliopsida
BT2 Magnoliophyta
BT3 Plants
RT Arid Lands
RT Biomass
RT Essential Oils
RT Seeds

BUFFALO PROJECT [01]
DA December 1, 1974
UF *Project (Buffalo)*
BT1 Nuclear Explosions
BT2 Explosions
RT Atmospheric Explosions
RT Surface Explosions

Buffalo PULSTAR Reactor
DA December 1, 1974
USE Pulstar-Buffalo Reactor

BUFFERS [01]
DA December 1, 1974
RT Acid Neutralizing Capacity
RT Gases
RT PH Value
RT Solutions

BUFOTENINE [01]
DA December 1, 1974
BT1 Hallucinogens
BT2 Psychotropic Drugs
BT3 Central Nervous System Agents
BT4 Drugs
BT1 Serotonin
BT2 Hydroxy Compounds
BT3 Organic Compounds
BT2 Neuroregulators
BT3 Autonomic Nervous System Agents
BT4 Drugs
BT2 Radioprotective Substances
BT3 Drugs
BT2 Sympathomimetics

BT3 Autonomic Nervous System Agents
BT4 Drugs
BT2 Tryptamines
BT3 Amines
BT4 Organic Compounds
BT3 Indoles
BT4 Azaarenes
BT5 Aromatics
BT6 Organic Compounds
BT5 Heterocyclic Compounds
BT6 Organic Compounds
BT5 Organic Nitrogen Compounds
BT6 Organic Compounds
BT4 Pyrroles
BT5 Azoles
BT6 Heterocyclic Compounds
BT7 Organic Compounds
BT6 Organic Nitrogen Compounds
BT7 Organic Compounds

BUGEY-1 REACTOR [01]
(St Vulbas, Ain, France)
DA December 1, 1974
UF *EDF-5 Reactor*
BT1 Carbon Dioxide Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 GCR Type Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT2 Graphite Moderated Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

BUGEY-2 REACTOR [01]
(St Vulbas, Ain, France)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

BUGEY-3 REACTOR [01]
(St. Vulbas, Ain, France.)
DA January 21, 1975
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

BUGEY-4 REACTOR [01]
(St Vulbas, Ain, France)
DA August 12, 1980
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

BUGEY-5 REACTOR [01]
(St. Vulbas, Ain, France.)
DA June 24, 1988
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

BUILDERS [01]
DA June 13, 1981
UF *Building Contractors*
BT1 Personnel
BT2 Man
BT3 Primates
BT4 Mammals
BT5 Vertebrates
BT6 Animals
RT Architects
RT Construction Industry
RT Craftsmen

Building (Constructing)
DA December 1, 1974
USE Construction

Building (Manufacturing)
DA December 1, 1974
USE Fabrication

BUILDING CODES [01]
DA April 5, 1978
RT Construction
RT Local Government
RT Regulations

Building Contractors
DA June 13, 1981
USE Builders

BUILDING MATERIALS [01]
DA December 1, 1974
UF *Materials (Building)*
UF *Structural Materials*
BT1 Materials
NT1 Adobe
NT1 Bricks
NT1 Cements
NT2 Gypsum Cements
NT2 Portland Cement
NT1 Concrete Blocks
NT1 Concretes
NT2 Prestressed Concrete
NT2 Reinforced Concrete
RT Buildings
RT Composite Materials
RT Glazing Materials
RT Mortars
RT Pavements
RT Reinforced Materials
RT Sand
RT Shielding Materials
RT Structural Beams
RT U Values

BUILDINGS [01]
DA December 1, 1974
UF *Structures (Buildings)*
NT1 Animal Shelters
NT1 Commercial Buildings
NT2 Hotels
NT2 Shopping Centers
NT1 Containment Buildings
NT1 Double Envelope Buildings
NT1 Earth-Covered Buildings
NT1 Government Buildings
NT1 Greenhouses
NT2 Attached Greenhouses
NT1 Hospitals
NT1 Laboratory Buildings
NT1 Office Buildings
NT1 Prefabricated Buildings
NT1 Public Buildings
NT1 Residential Buildings
NT2 Apartment Buildings
NT2 Houses
NT2 Mobile Homes
NT1 School Buildings
RT Air Curtains
RT Air Infiltration
RT Airtightness
RT Architects
RT Architecture
RT Atria
RT Attics
RT Basements
RT Building Materials
RT Ceilings
RT Construction
RT Construction Industry
RT Curtains
RT Domed Structures
RT Doors
RT Drum Walls
RT Energy Management Systems
RT Floors
RT Foundations
RT Laboratories
RT Libraries
RT Load Collector Ratio
RT Mechanical Structures
RT Medical Establishments
RT Occupants
RT Retrofitting
RT Roofs
RT Shelters
RT Shutters
RT Skylights
RT Soil-Structure Interactions
RT Solar Architecture
RT Stacks
RT Sun Shades
RT Trombe Walls
RT Walls
RT Weatherization
RT Windows

Buildings (Containment)
DA December 1, 1974
USE Containment Buildings

BUILDUP [01]
DA December 1, 1974
UF *Accumulation*
UF *Radiation Buildup*
RT Ionization
RT Ionizing Radiations
RT Radiations
RT Scattering
RT Shielding
RT Spatial Dose Distributions

BULBS [01]
DA December 1, 1974
RT Allium Sativum
RT Garlic
RT Onions
RT Plants

BULGARIA [01]
DA December 1, 1974
BT1 Developing Countries
BT1 Eastern Europe
BT2 Europe
RT Black Sea
RT Centrally Planned Economies
RT Danube River

Bulgarian Research Reactor IRT-2000
DA December 1, 1974
USE IRT-Sofia Reactor

BULK DENSITY [01]
DA May 3, 1978
BT1 Density
BT2 Physical Properties

BULK SEMICONDUCTOR DETECTORS [01]
DA December 1, 1974
BT1 Semiconductor Detectors
BT2 Radiation Detectors
BT3 Measuring Instruments
RT Crystal Counters

Bulk Shielding Reactor-1
DA December 1, 1974
USE BSR-1 Reactor

Bulk Shielding Reactor-2
DA December 1, 1974
USE BSR-2 Reactor

BUMP-IN-TAIL INSTABILITY [01]
DA December 1, 1974
BT1 Plasma Microinstabilities
BT2 Plasma Instability

BT3 Instability
RT Resonance

BUMPY TORI [01]
DA March 6, 1984
BT1 Magnetic Mirrors
BT2 Open Plasma Devices
BT3 Thermonuclear Devices
NT1 Elmo Bumpy Torus

BUNA [01]
DA December 1, 1974
BT1 Rubbers
BT2 Elastomers
BT3 Polymers
BT2 Organic Polymers
BT3 Organic Compounds
BT3 Polymers
RT Butadiene

Bunching (Beam)
DA December 1, 1974
USE Beam Bunching

→**BUNDESAMT FUER STRAHLENSCHUTZ [01]**
(Federal Office for Radiation Protection, Federal Republic of Germany.)
DA May 17, 1991
UF *BFS*
UF *SAAS*
UF *Staat Amt Atomsicherheit und Strahlenschutz*
BT1 German FR Organizations
BT2 National Organizations

BUNDLE DIVERTORS [01]
DA September 26, 1979
BT1 Divertors
RT Toroidal Field Divertors
DEF A toroidal, longitudinal, or bundle divertor which extracts a bundle of toroidal flux to form a separatrix in the toroidal field.

Bundles (Fuel Elements)
DA December 1, 1974
USE Fuel Element Clusters

Bunker Oils
DA January 23, 1976
USE Residual Fuels

Bunkers
DA June 24, 1977
USE Hoppers

BUOYS
DA August 4, 1976
RT Meteorology
RT Navigational Instruments
RT Oceanography
RT Offshore Operations
RT Water Pollution

Bureau of Mines
DA November 17, 1976
USE US Bureau of Mines

Bureau of Reclamation
(Prior to December 1991 this was a valid descriptor.)
DA August 25, 1980
USE US Bureau of Reclamation

BURGERS VECTOR [01]
DA December 1, 1974
RT Dislocations

BURMA [01]
DA December 1, 1974
BT1 Asia
BT1 Developing Countries

BURNABLE POISONS [01]
DA December 1, 1974
BT1 Neutron Absorbers
BT1 Nuclear Poisons
BT2 Reactor Materials
BT3 Materials
RT Burnup
RT Control Elements
RT Fluid Poison Control
RT Poisoning
RT Reactor Control Systems
RT Reactor Kinetics

Burner Fuel Oil
DA March 11, 1976
USE Heating Oils

BURNERS [01]
DA January 21, 1975
NT1 Gas Burners
NT1 Oil Burners
RT Blowoff
RT Combustion
RT Combustors
RT Flashback
RT Furnaces
RT Incinerators
RT Pulse Combustion
RT Pulse Combustors
RT Stokers

BURNOUT [01]
DA December 1, 1974
RT Dryout
RT Fuel Elements
RT Heat Flux
RT Heat Transfer
RT Hot Spots
RT Reactor Accidents

BURNOUT DEVICES [01]
DA December 1, 1974
BT1 Magnetic Mirrors
BT2 Open Plasma Devices
BT3 Thermonuclear Devices

BURNS [01]
DA December 1, 1974
BT1 Injuries
NT1 Flash Burns
NT1 Radiation Burns
RT Fires
RT Safety Showers
RT Skin Diseases

BURNUP [01]
DA December 1, 1974
UF *Depletion (Nuclear Fuels)*
RT Burnable Poisons
RT Cooling Time
RT Fuel Cooling Time
RT Fuel Scanning
RT Nuclear Fuels
RT Spent Fuel Elements

BURROS [01]
DA December 1, 1974
UF *Donkeys*
BT1 Mammals
BT2 Vertebrates
BT3 Animals

BURROUGHS COMPUTERS [01]
DA January 21, 1975
BT1 Computers

Bursa of Fabricius
DA December 1, 1974
USE Birds
AND Lymphatic System

Burst Can Detection
DA December 1, 1974
USE Failed Element Detection

Burst Can Monitors
DA December 1, 1974
USE Failed Element Monitors

Burst Reactors
DA December 1, 1974
USE Pulsed Reactors

Burst Slug Detection
DA December 1, 1974
USE Failed Element Detection

Burst Slug Monitors
DA December 1, 1974
USE Failed Element Monitors

BURUNDI [01]
DA June 20, 1983
BT1 Africa
BT1 Developing Countries

BUSES [01]
DA January 21, 1975
BT1 Vehicles
RT Occupants
RT Road Tests
RT Transportation Systems

BUSHINGS [01]
DA December 1, 1974
RT Bearings

BUSINESS [01]
DA June 6, 1980
NT1 Small Businesses
RT Economy
RT Industry
RT Market
RT Sectoral Analysis
RT Trade
DEF Buying and selling of goods and services; also, the activity of an individual, partnership, or organization involving production, commerce, and/or service.

BUSPR Reactor
DA December 1, 1974
USE Pulstar-Buffalo Reactor

Busulfan
DA December 1, 1974
USE Myleran

BUTADIENE [01]
DA December 1, 1974
BT1 Dienes
BT2 Polyenes
BT3 Hydrocarbons
BT4 Organic Compounds
RT Buna
RT Neoprene
RT Organic Polymers

BUTANE [01]
DA December 1, 1974
BT1 Alkanes
BT2 Hydrocarbons
BT3 Organic Compounds

BUTANEDIOLS
DA July 18, 1979
BT1 Glycols
BT2 Alcohols
BT3 Hydroxy Compounds
BT4 Organic Compounds

Butanoic Acid
DA December 1, 1974
USE Butyric Acid

BUTANOLS [01]
DA December 1, 1974
UF *Butyl Alcohols*
UF *Butyric Alcohols*
BT1 Alcohols
BT2 Hydroxy Compounds
BT3 Organic Compounds

BUTENES [01]
DA December 1, 1974
UF *Butylenes*
BT1 Alkenes
BT2 Hydrocarbons
BT3 Organic Compounds

BUTEX PROCESS [01]
DA December 1, 1974
BT1 Reprocessing
BT2 Separation Processes
RT Solvent Extraction

Butler-Born Approximation
DA December 1, 1974
USE Butler Theory

BUTLER THEORY [01]
DA December 1, 1974
UF *Butler-Born Approximation*
RT Stripping

BUTOXY RADICALS [01]
DA December 1, 1974
BT1 Alkoxy Radicals
BT2 Radicals

BUTTER [01]
DA December 1, 1974
BT1 Milk Products
BT2 Food
RT Butter Fat

BUTTER FAT [01]
DA December 1, 1974
BT1 Fats
BT1 Triglycerides
BT2 Esters
BT3 Organic Compounds
BT2 Lipids
BT3 Organic Compounds
RT Butter

Buttercups
DA December 1, 1974
USE Ranunculaceae

Butyl Alcohols
DA December 1, 1974
USE Butanols

Butyl-alpha-Methylbenzylphenol
DA December 1, 1974
USE BAMBP

BUTYL ETHER [01]
DA December 1, 1974
UF *Dibutyl Ether*
BT1 Ethers
BT2 Organic Oxygen Compounds
BT3 Organic Compounds
RT Organic Solvents

BUTYL PHOSPHATES [01]
DA December 1, 1974
BT1 Phosphoric Acid Esters
BT2 Esters
BT3 Organic Compounds
BT2 Organic Phosphorus Compounds
BT3 Organic Compounds
NT1 DBP
NT1 MBP
NT1 TBP

BUTYL RADICALS [01]
DA December 1, 1974
BT1 Alkyl Radicals
BT2 Radicals

Butylenes
DA December 1, 1974
USE Butenes

BUTYRIC ACID [01]
DA December 1, 1974
UF *Butanoic Acid*
BT1 Monocarboxylic Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds

Butyric Alcohols
DA December 1, 1974
USE Butanols

BUTYRYL RADICALS [01]
DA December 1, 1974
BT1 Acyl Radicals
BT2 Radicals

Buyback
DA March 4, 1980
USE Sellback

Buyers
DA October 3, 1979
USE Marketers

BW STANDARD REACTOR [01]
(Prior to 1975, PWR/241 Type Reactors was used.)
DA January 23, 1975
UF *Babcock And Wilcox Standard Reactor*
UF *PWR/241 Type Reactors*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

BWR Superheater Puerto Rico Reactor
DA December 1, 1974
USE BONUS Reactor

BWR TYPE REACTORS [01]
DA December 1, 1974
UF *Boiling Water Cooled and Moderated Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors
NT1 Allens Creek-1 Reactor
NT1 Allens Creek-2 Reactor
NT1 Bailly-1 Reactor
NT1 Barsebaeck-1 Reactor
NT1 Barsebaeck-2 Reactor
NT1 Barton-1 Reactor
NT1 Barton-2 Reactor
NT1 Barton-3 Reactor
NT1 Barton-4 Reactor
NT1 Bell Reactor
NT1 Big Rock Point Reactor
NT1 Black Fox-1 Reactor
NT1 Black Fox-2 Reactor
NT1 Bolsa Chica-1 Reactor
NT1 Bolsa Chica-2 Reactor
NT1 BONUS Reactor
NT1 Browns Ferry-1 Reactor
NT1 Browns Ferry-2 Reactor
NT1 Browns Ferry-3 Reactor
NT1 Brunsbuettel Reactor
NT1 Brunswick-1 Reactor
NT1 Brunswick-2 Reactor
NT1 Chinshan-1 Reactor
NT1 Chinshan-2 Reactor
NT1 Clinton-1 Reactor
NT1 Clinton-2 Reactor
NT1 Cofrentes Reactor
NT1 Cooper Reactor
NT1 Dodewaard Reactor
NT1 Douglas Point-1 Reactor
NT1 Douglas Point-2 Reactor
NT1 Dresden-1 Reactor
NT1 Dresden-2 Reactor
NT1 Dresden-3 Reactor
NT1 Duane Arnold-1 Reactor
NT1 EBWR Reactor
NT1 ENEL-4 Reactor
NT1 Enrico Fermi-2 Reactor
NT1 ERR Reactor
NT1 Fitzpatrick Reactor
NT1 Forsmark-1 Reactor
NT1 Forsmark-2 Reactor
NT1 Forsmark-3 Reactor
NT1 Fukushima-1 Reactor
NT1 Fukushima-2 Reactor
NT1 Fukushima-3 Reactor
NT1 Fukushima-4 Reactor
NT1 Fukushima-5 Reactor
NT1 Fukushima-6 Reactor
NT1 Fukushima-II-1 Reactor
NT1 Fukushima-II-2 Reactor
NT1 Fukushima-II-3 Reactor
NT1 Fukushima-II-4 Reactor
NT1 Garigliano Reactor
NT1 Garona Reactor
NT1 GE Standard Reactor
NT1 Graben-1 Reactor
NT1 Graben-2 Reactor
NT1 Grand Gulf-1 Reactor
NT1 Grand Gulf-2 Reactor
NT1 Gundremmingen-2 Reactor
NT1 Gundremmingen-3 Reactor
NT1 Hamaoka-1 Reactor
NT1 Hamaoka-2 Reactor
NT1 Hamaoka-3 Reactor
NT1 Hamaoka-4 Reactor
NT1 Hartsville-1 Reactor
NT1 Hartsville-2 Reactor
NT1 Hartsville-3 Reactor
NT1 Hartsville-4 Reactor
NT1 Hatch-1 Reactor
NT1 Hatch-2 Reactor
NT1 HDR Reactor
NT1 Hope Creek-1 Reactor
NT1 Hope Creek-2 Reactor
NT1 Humboldt Bay Reactor
NT1 Isar Reactor
NT1 JPDR Reactor
NT1 JPDR-2 Reactor
NT1 Kaiseraugst Reactor
NT1 Kashiwazaki-Kariwa-1 Reactor
NT1 Kashiwazaki-Kariwa-2 Reactor
NT1 Kashiwazaki-Kariwa-4 Reactor
NT1 Kashiwazaki-Kariwa-5 Reactor
NT1 Kashiwazaki-Kariwa-6 Reactor
NT1 Kashiwazaki-Kariwa-7 Reactor
NT1 Kruemmel Reactor
NT1 Kuosheng-1 Reactor
NT1 Kuosheng-2 Reactor
NT1 La Salle County-1 Reactor
NT1 La Salle County-2 Reactor
NT1 LACBWR Reactor
NT1 Laguna Verde-1 Reactor
NT1 Laguna Verde-2 Reactor
NT1 Leibstadt Reactor
NT1 Limerick-1 Reactor
NT1 Limerick-2 Reactor
NT1 Lingen Reactor
NT1 Mendocino-1 Reactor
NT1 Mendocino-2 Reactor
NT1 Millstone-1 Reactor
NT1 Montague-1 Reactor
NT1 Montague-2 Reactor
NT1 Montalto Di Castro-1 Reactor
NT1 Montalto Di Castro-2 Reactor
NT1 Monticello Reactor
NT1 Muehleberg Reactor
NT1 Newbold Island-1 Reactor
NT1 Newbold Island-2 Reactor
NT1 Nine Mile Point-1 Reactor
NT1 Nine Mile Point-2 Reactor
NT1 OKG-1 Reactor
NT1 OKG-2 Reactor
NT1 Olkiluoto Reactor
NT1 Onagawa-1 Reactor
NT1 Onagawa-2 Reactor
NT1 Oyster Creek-1 Reactor
NT1 Pathfinder Reactor
NT1 Peach Bottom-2 Reactor
NT1 Peach Bottom-3 Reactor
NT1 Perry-1 Reactor
NT1 Perry-2 Reactor
NT1 Philippsburg-1 Reactor
NT1 Phipps Bend-1 Reactor
NT1 Phipps Bend-2 Reactor
NT1 Pilgrim-1 Reactor
NT1 Quad Cities-1 Reactor
NT1 Quad Cities-2 Reactor
NT1 Ringhals-1 Reactor
NT1 River Bend-1 Reactor
NT1 River Bend-2 Reactor
NT1 RWE-Bayernwerk Reactor
NT1 Shika-1 Reactor
NT1 Shimane-1 Reactor
NT1 Shimane-2 Reactor
NT1 Shoreham Reactor
NT1 Skagit-1 Reactor
NT1 Skagit-2 Reactor
NT1 SL-1 Reactor
NT1 Susquehanna-1 Reactor
NT1 Susquehanna-2 Reactor
NT1 Tarapur-1 Reactor
NT1 Tarapur-2 Reactor
NT1 Tokai-2 Reactor
NT1 Tsuruga Reactor

NT1 Tullnerfeld Reactor
NT1 TVO-1 Reactor
NT1 TVO-2 Reactor
NT1 VAK Reactor
NT1 VBWR Reactor
NT1 Vermont Yankee Reactor
NT1 Verplanck-1 Reactor
NT1 Verplanck-2 Reactor
NT1 VK-50 Reactor
NT1 WNP-2 Reactor
NT2 Hanford-2 Reactor
NT1 Wuergassen Reactor
NT1 Zimmer-1 Reactor
NT1 Zimmer-2 Reactor
RT Braun Standard Turbine Island

BWR/6 Type Reactors
DA February 13, 1975
USE GE Standard Reactor

BY-PRODUCTS [01]
DA January 27, 1975
RT Chars
RT Distillers Dried Grains
RT Economics
RT Industry
RT Pyrolysis Products
RT Wastes

Byelorussian SSR
DA December 1, 1974
USE Belarus

BYPASSES [01]
DA December 1, 1974
RT Coolant Loops
RT Reactor Cooling Systems

BYRON-1 REACTOR [01]
(Byron, Illinois, USA)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

BYRON-2 REACTOR [01]
(Byron, Illinois, USA)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

BYU L-77 REACTOR [01]
DA December 1, 1974
UF *Brigham Young University Laboratory Reactor*
BT1 Aqueous Homogeneous Reactors
BT2 Liquid Homogeneous Reactors
BT3 Fluid Fueled Reactors
BT4 Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors

C4 SPECIES [01]
DA June 12, 1986
BT1 Plants
RT Calvin Cycle Species
RT Carbon Dioxide Fixation
RT Chloroplasts
RT Leaves
RT Photosynthesis
DEF Plants having a preliminary step in their carbon fixation pathway, whereby CO2 binds to phosphoenolpyruvate, as well as specialized anatomy of their leaves.

C-1430 Resonances
(Prior to March 1988 this was a valid descriptor.)
DA May 23, 1984
USE Mesons

C-2260 Resonances
DA October 19, 1978
USE Lambda C Plus Baryons

C CODES [01]
DA December 1, 1974
BT1 Computer Codes

C F Braun Standard Turbine Island
DA July 29, 1975
USE Braun Standard Turbine Island

C INVARIANCE [01]
DA December 1, 1974
UF *Charge Conjugation Invariance*
BT1 Invariance Principles
RT Electric Charges

C-Reactive Protein
DA December 1, 1974
USE Globulins
AND Immunity

C REACTOR [01]
DA November 23, 1983
UF *Savannah River Plant C Reactor*
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Special Production Reactors
BT2 Production Reactors
BT3 Reactors

C REGION [01]
DA April 19, 1976
BT1 Ionosphere
BT2 Earth Atmosphere
BT2 Planetary Ionospheres

Cabbage
DA December 1, 1974
USE Brassica

CABIBBO ANGLE [01]
DA December 1, 1974
RT Current Algebra
RT Kobayashi-Maskawa Matrix
RT Weak Interactions
DEF One of the two angles whose sines and cosines are the coefficients of strangeness-conserving and strangeness-changing vectors and axial parts of the hadronic current.

CABLES [01]
DA August 4, 1976
UF *Tendons (Structural)*
NT1 Electric Cables
NT2 Coaxial Cables
NT2 Cryogenic Cables
NT2 Gas-Insulated Cables
NT2 Oil-Filled Cables
NT2 Superconducting Cables
RT Chains
RT Ropes

Cables (Electric)
DA December 1, 1974
USE Electric Cables

CABRI REACTOR [01]
(Nuclear Protection and Safety Inst., CEA St. Paul Lez Durance, France, France.)
DA December 1, 1974
UF *Cadarache Swimming Pool Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

CABRIOLET EVENT [01]
DA December 1, 1974
BT1 Cratering Explosions
BT2 Explosions
BT1 Crosstie Operation
BT2 Nuclear Explosions
BT3 Explosions
BT2 Underground Explosions
BT3 Explosions
BT1 Plowshare Project

CACAO TREES [01]
DA December 1, 1974
UF *Theobroma*
BT1 Magnoliopsida
BT2 Magnoliophyta
BT3 Plants
BT1 Trees
BT2 Plants
RT Cocoa Products

CACODYLIC ACID [01]
DA December 1, 1974
BT1 Arsenic Compounds
BT1 Organic Acids
BT2 Organic Compounds

Cactaceae
DA February 13, 1975
USE Cacti

CACTI [01]
DA January 21, 1975
UF *Cactaceae*
BT1 Magnoliopsida
BT2 Magnoliophyta
BT3 Plants

Cadarache (CEA)
DA December 1, 1974
USE CEA Cadarache

Cadarache Fuel Element Testing Reactor
DA December 1, 1974
USE Pegase Reactor

Cadarache Maquette Surgeneratic Reactor
DA December 1, 1974
USE Masurca Reactor

Cadarache Rapsodie Reactor
DA December 1, 1974
USE Rapsodie Reactor

Cadarache Reactor Marius
DA December 1, 1974
USE Marius Reactor

Cadarache Swimming Pool Reactor
DA December 1, 1974
USE Cabri Reactor

CADAVERINE [01]
DA December 1, 1974
UF *1,5-Diaminopentane*
UF *Pentamethylenediamine*

BT1 Amines
BT2 Organic Compounds

CADMIUM [01]
DA December 1, 1974
BT1 Metals
BT2 Elements

CADMIUM 96 [01]
DA October 11, 1983
BT1 Cadmium Isotopes
BT2 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CADMIUM 97 [01]
DA March 29, 1980
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cadmium Isotopes
BT2 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CADMIUM 98 [01]
DA April 13, 1977
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cadmium Isotopes
BT2 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CADMIUM 99 [01]
DA March 29, 1980
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cadmium Isotopes
BT2 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CADMIUM 100 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cadmium Isotopes
BT2 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CADMIUM 101 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cadmium Isotopes
BT2 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CADMIUM 102 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cadmium Isotopes
BT2 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CADMIUM 103 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cadmium Isotopes
BT2 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CADMIUM 104 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cadmium Isotopes
BT2 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CADMIUM 105 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cadmium Isotopes
BT2 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CADMIUM 106 [01]
DA December 1, 1974
BT1 Cadmium Isotopes
BT2 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

CADMIUM 106 TARGET [01]
DA July 9, 1976
BT1 Targets

CADMIUM 107 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cadmium Isotopes
BT2 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei

CADMIUM 108 [01]
DA December 1, 1974
BT1 Cadmium Isotopes
BT2 isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

CADMIUM 108 TARGET [01]
DA July 9, 1976
BT1 Targets

CADMIUM 109 [01]
DA December 1, 1974
BT1 Cadmium Isotopes
BT2 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CADMIUM 109 TARGET [01]
DA March 28, 1979
BT1 Targets

CADMIUM 110 [01]
DA December 1, 1974
BT1 Cadmium Isotopes
BT2 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

CADMIUM 110 TARGET [01]
DA July 9, 1976
BT1 Targets

CADMIUM 111 [01]
DA December 1, 1974
BT1 Cadmium Isotopes
BT2 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

CADMIUM 111 TARGET [01]
DA July 9, 1976
BT1 Targets

CADMIUM 112 [01]
DA December 1, 1974
BT1 Cadmium Isotopes
BT2 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

CADMIUM 112 TARGET [01]
DA July 9, 1976
BT1 Targets

CADMIUM 113 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cadmium Isotopes
BT2 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Stable Isotopes
BT2 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CADMIUM 113 TARGET [01]
DA July 9, 1976
BT1 Targets

CADMIUM 114 [01]
DA December 1, 1974
BT1 Cadmium Isotopes
BT2 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

CADMIUM 114 TARGET [01]
DA July 9, 1976
BT1 Targets

CADMIUM 115 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cadmium Isotopes
BT2 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei

CADMIUM 116 [01]
DA December 1, 1974
BT1 Cadmium Isotopes
BT2 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

CADMIUM 116 TARGET [01]
DA July 9, 1976
BT1 Targets

CADMIUM 117 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cadmium Isotopes
BT2 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CADMIUM 118 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cadmium Isotopes
BT2 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CADMIUM 119 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cadmium Isotopes
BT2 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CADMIUM 120 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cadmium Isotopes
BT2 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CADMIUM 121 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cadmium Isotopes
BT2 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CADMIUM 122 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cadmium Isotopes
BT2 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CADMIUM 123 [01]
DA April 15, 1975
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cadmium Isotopes
BT2 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CADMIUM 124 [01]
DA April 4, 1975
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cadmium Isotopes
BT2 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CADMIUM 125 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cadmium Isotopes
BT2 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes

BT2 Radioisotopes
BT3 Isotopes

CADMIUM 126 [01]
DA April 15, 1975
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cadmium Isotopes
BT2 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CADMIUM 127 [01]
DA April 15, 1975
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cadmium Isotopes
BT2 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CADMIUM 128 [01]
DA April 15, 1975
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cadmium Isotopes
BT2 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CADMIUM 130 [01]
DA May 1, 1987
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cadmium Isotopes
BT2 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CADMIUM ADDITIONS [01]
DA December 1, 1974
BT1 Cadmium Alloys
BT2 Alloys
NT1 Zamak

CADMIUM-AIR BATTERIES
DA March 22, 1976
BT1 Metal-Gas Batteries
BT2 Electric Batteries
BT3 Electrochemical Cells

CADMIUM ALLOYS [01]
DA December 1, 1974
BT1 Alloys
NT1 Alloy-Bi50Pb25Cd12Sn12
NT2 Wood Metal
NT1 Cadmium Additions
NT2 Zamak
NT1 Cadmium Base Alloys
NT1 Cerrobend Alloys
NT1 Wood Metal

CADMIUM ARSENIDE SOLAR CELLS [01]
DA July 18, 1981
BT1 Solar Cells
BT2 Photovoltaic Cells
BT3 Photoelectric Cells
BT4 Direct Energy Converters
BT2 Solar Equipment
BT3 Equipment

CADMIUM ARSENIDES [01]
DA November 11, 1975
BT1 Arsenides
BT2 Arsenic Compounds
BT2 Pnictides
BT1 Cadmium Compounds

CADMIUM BASE ALLOYS [01]
DA December 1, 1974
BT1 Cadmium Alloys
BT2 Alloys

CADMIUM BORIDES [01]
DA December 1, 1974
BT1 Borides
BT2 Boron Compounds
BT1 Cadmium Compounds

CADMIUM BROMIDES [01]
DA December 1, 1974
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Cadmium Halides
BT2 Cadmium Compounds
BT2 Halides
BT3 Halogen Compounds

CADMIUM CARBIDES [01]
DA September 28, 1976
BT1 Cadmium Compounds
BT1 Carbides
BT2 Carbon Compounds

CADMIUM CARBONATES [01]
DA December 1, 1974
BT1 Cadmium Compounds
BT1 Carbonates
BT2 Carbon Compounds
BT2 Oxygen Compounds

CADMIUM CHLORIDES [01]
DA December 1, 1974
BT1 Cadmium Halides
BT2 Cadmium Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds

CADMIUM COMPLEXES [01]
DA December 1, 1974
BT1 Complexes

CADMIUM COMPOUNDS [01]
DA December 1, 1974
NT1 Cadmium Arsenides
NT1 Cadmium Borides
NT1 Cadmium Carbides
NT1 Cadmium Carbonates
NT1 Cadmium Halides
NT2 Cadmium Bromides
NT2 Cadmium Chlorides
NT2 Cadmium Fluorides
NT2 Cadmium Iodides
NT1 Cadmium Hydroxides
NT1 Cadmium Nitrates
NT1 Cadmium Oxides
NT1 Cadmium Perchlorates
NT1 Cadmium Phosphates
NT1 Cadmium Phosphides
NT1 Cadmium Selenides
NT1 Cadmium Silicates
NT1 Cadmium Stannates
NT1 Cadmium Sulfates
NT1 Cadmium Sulfides
NT1 Cadmium Tellurides
NT1 Cadmium Titanates
NT1 Cadmium Tungstates

CADMIUM FLUORIDES [01]
DA December 1, 1974
BT1 Cadmium Halides
BT2 Cadmium Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds

CADMIUM HALIDES [01]
DA February 20, 1975
BT1 Cadmium Compounds
BT1 Halides
BT2 Halogen Compounds
NT1 Cadmium Bromides
NT1 Cadmium Chlorides
NT1 Cadmium Fluorides
NT1 Cadmium Iodides

CADMIUM HYDROXIDES [01]
DA December 1, 1974
BT1 Cadmium Compounds
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds

CADMIUM IODIDES [01]
DA December 1, 1974
BT1 Cadmium Halides
BT2 Cadmium Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds

CADMIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

CADMIUM ISOTOPES [01]
DA December 1, 1974
BT1 Isotopes
NT1 Cadmium 96
NT1 Cadmium 97
NT1 Cadmium 98
NT1 Cadmium 99
NT1 Cadmium 100
NT1 Cadmium 101
NT1 Cadmium 102
NT1 Cadmium 103
NT1 Cadmium 104
NT1 Cadmium 105
NT1 Cadmium 106
NT1 Cadmium 107
NT1 Cadmium 108
NT1 Cadmium 109
NT1 Cadmium 110
NT1 Cadmium 111
NT1 Cadmium 112
NT1 Cadmium 113
NT1 Cadmium 114
NT1 Cadmium 115
NT1 Cadmium 116
NT1 Cadmium 117
NT1 Cadmium 118
NT1 Cadmium 119
NT1 Cadmium 120
NT1 Cadmium 121
NT1 Cadmium 122
NT1 Cadmium 123
NT1 Cadmium 124
NT1 Cadmium 125

NT1 Cadmium 126
NT1 Cadmium 127
NT1 Cadmium 128
NT1 Cadmium 130

CADMIUM NITRATES [01]
DA December 1, 1974
BT1 Cadmium Compounds
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds

CADMIUM OXIDES [01]
DA December 1, 1974
BT1 Cadmium Compounds
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds

CADMIUM PERCHLORATES [01]
DA January 21, 1975
BT1 Cadmium Compounds
BT1 Perchlorates
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Oxygen Compounds

CADMIUM PHOSPHATES [01]
DA December 1, 1974
BT1 Cadmium Compounds
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds

CADMIUM PHOSPHIDES [01]
DA September 11, 1975
BT1 Cadmium Compounds
BT1 Phosphides
BT2 Phosphorus Compounds
BT2 Pnictides

CADMIUM SELENIDE SOLAR CELLS [01]
DA January 24, 1975
BT1 Solar Cells
BT2 Photovoltaic Cells
BT3 Photoelectric Cells
BT4 Direct Energy Converters
BT2 Solar Equipment
BT3 Equipment

CADMIUM SELENIDES [01]
DA May 15, 1975
BT1 Cadmium Compounds
BT1 Selenides
BT2 Chalcogenides
BT2 Selenium Compounds

CADMIUM SILICATES [01]
DA December 1, 1974
BT1 Cadmium Compounds
BT1 Silicates
BT2 Oxygen Compounds
BT2 Silicon Compounds

CADMIUM STANNATES [01]
DA February 19, 1976
BT1 Cadmium Compounds
BT1 Stannates
BT2 Oxygen Compounds
BT2 Tin Compounds

CADMIUM SULFATES [01]
DA December 1, 1974
BT1 Cadmium Compounds
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds

CADMIUM SULFIDE SOLAR CELLS [01]
DA January 24, 1975
BT1 Solar Cells
BT2 Photovoltaic Cells
BT3 Photoelectric Cells
BT4 Direct Energy Converters
BT2 Solar Equipment
BT3 Equipment

CADMIUM SULFIDES [01]
DA December 1, 1974
BT1 Cadmium Compounds
BT1 Inorganic Phosphors
BT2 Phosphors
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds

Cadmium Telluride Detectors
DA December 1, 1974
USE CDTE Semiconductor Detectors

CADMIUM TELLURIDE SOLAR CELLS [01]
DA January 24, 1975
BT1 Solar Cells
BT2 Photovoltaic Cells
BT3 Photoelectric Cells
BT4 Direct Energy Converters
BT2 Solar Equipment
BT3 Equipment

CADMIUM TELLURIDES [01]
DA December 1, 1974
BT1 Cadmium Compounds
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds

CADMIUM TITANATES [01]
DA November 14, 1978
BT1 Cadmium Compounds
BT1 Titanates
BT2 Oxygen Compounds
BT2 Titanium Compounds
BT3 Transition Element Compounds

CADMIUM TUNGSTATES [01]
DA December 1, 1974
BT1 Cadmium Compounds
BT1 Inorganic Phosphors
BT2 Phosphors
BT1 Tungstates

CAES
DA September 13, 1978
USE Compressed Air Energy Storage

CAES Plant
DA September 13, 1978
USE Compressed Air Storage Power Plants

CAFB PROCESS
DA January 27, 1975
UF *Chemically Active Fluidized Bed Process*
BT1 Desulfurization
BT2 Chemical Reactions
RT Fluidized Beds
DEF Process consists of shallow fluidized bed of lime particles into which high-sulfur heavy fuel oil is injected.

Cafeterias
DA January 9, 1981
USE Restaurants

CAFFEINE [01]
DA December 1, 1974
UF *1,3,7-Trimethylxanthine*
BT1 Analeptics
BT2 Central Nervous System Agents
BT3 Drugs
BT1 Xanthines
BT2 Organic Oxygen Compounds
BT3 Organic Compounds
BT2 Purines
BT3 Azaarenes
BT4 Aromatics
BT5 Organic Compounds
BT4 Heterocyclic Compounds
BT5 Organic Compounds
BT4 Organic Nitrogen Compounds
BT5 Organic Compounds

CAKING
DA April 8, 1975
RT Agglomeration
RT Briquetting
RT Caking Power
RT Compacting

CAKING POWER
DA April 15, 1975
RT Caking

CALABASH EVENT [01]
DA December 1, 1974
BT1 Mandrel Operation
BT2 Nuclear Explosions
BT3 Explosions
BT2 Underground Explosions
BT3 Explosions

CALANDRIAS [01]
DA December 1, 1974
BT1 Containers
RT Pressure Tubes

CALCINATION [01]
DA December 1, 1974
BT1 Pyrolysis
BT2 Decomposition
BT3 Chemical Reactions
BT2 Thermochemical Processes
RT Calcined Wastes
RT Pyrometallurgy
RT Radioactive Waste Processing
RT Waste Processing

CALCINED WASTES [01]
DA November 12, 1980
BT1 Radioactive Wastes
BT2 Radioactive Materials
BT3 Materials
BT2 Wastes
RT Calcination
RT Radioactive Waste Processing
RT Solid Wastes
DEF Waste forms resulting from the calcination of aqueous nuclear fuel reprocessing wastes and composed of granular solids of metallic oxides.

CALCINOSIS
DA March 29, 1980
BT1 Pathological Changes
DEF A condition marked by the deposition of calcium salts in various tissues of the body.

CALCITE [01]
DA December 1, 1974
BT1 Carbonate Minerals
BT2 Minerals
RT Calcium Carbonates
RT Dolomite
RT Limestone

CALCITONIN [01]
DA December 1, 1974
BT1 Peptide Hormones
BT2 Hormones
BT2 Proteins
BT3 Organic Compounds
BT1 Polypeptides
BT2 Peptides
BT3 Proteins
BT4 Organic Compounds
RT Calcium
RT Parathyroid Glands
RT Thymus
RT Thyroid

CALCIUM [01]
DA December 1, 1974
BT1 Alkaline Earth Metals
BT2 Metals
BT3 Elements
RT Bone Tissues
RT Calcitonin
RT Hyperparathyroidism
RT Parathormone
RT Teeth
RT Thyrocalcitonin

CALCIUM 35 [01]
DA December 1, 1974
BT1 Calcium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei

BT1 Light Nuclei
BT2 Nuclei

CALCIUM 36 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Calcium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CALCIUM 37 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Calcium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CALCIUM 38 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Calcium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CALCIUM 39 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Calcium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CALCIUM 39 TARGET [01]
DA November 9, 1983
BT1 Targets

CALCIUM 40 [01]
DA December 1, 1974
BT1 Calcium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

CALCIUM 40 BEAMS [01]
DA November 1, 1976
BT1 Ion Beams
BT2 Beams

CALCIUM 40 REACTIONS [01]
DA December 1, 1974
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

CALCIUM 40 TARGET [01]
DA July 9, 1976
BT1 Targets

CALCIUM 41 [01]
DA December 1, 1974
BT1 Calcium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CALCIUM 41 TARGET [01]
DA July 9, 1976
BT1 Targets

CALCIUM 42 [01]
DA December 1, 1974
BT1 Calcium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

CALCIUM 42 REACTIONS [01]
DA November 29, 1984
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

CALCIUM 42 TARGET [01]
DA July 9, 1976
BT1 Targets

CALCIUM 43 [01]
DA December 1, 1974
BT1 Calcium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

CALCIUM 43 TARGET [01]
DA July 9, 1976
BT1 Targets

CALCIUM 44 [01]
DA December 1, 1974
BT1 Calcium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

CALCIUM 44 REACTIONS [01]
DA November 10, 1977
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

CALCIUM 44 TARGET [01]
DA July 9, 1976
BT1 Targets

CALCIUM 45 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Calcium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei

CALCIUM 46 [01]
DA December 1, 1974
BT1 Calcium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

CALCIUM 46 TARGET [01]
DA July 9, 1976
BT1 Targets

CALCIUM 47 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Calcium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei

CALCIUM 48 [01]
DA December 1, 1974
BT1 Calcium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

CALCIUM 48 BEAMS [01]
DA June 2, 1977
BT1 Ion Beams
BT2 Beams

CALCIUM 48 REACTIONS [01]
DA December 16, 1976
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

CALCIUM 48 TARGET [01]
DA July 9, 1976
BT1 Targets

CALCIUM 49 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Calcium Isotopes
BT2 Alkaline Earth Isotopes

BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CALCIUM 49 TARGET [01]
DA July 10, 1981
BT1 Targets

CALCIUM 50 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Calcium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CALCIUM 51 [01]
DA January 27, 1981
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Calcium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CALCIUM 52 [01]
DA May 13, 1976
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Calcium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CALCIUM 53 [01]
DA February 10, 1984
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Calcium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CALCIUM ADDITIONS [01]
DA December 1, 1974
BT1 Calcium Alloys
BT2 Alloys

CALCIUM ALLOYS [01]
DA December 1, 1974
BT1 Alloys
NT1 Calcium Additions
NT1 Calcium Base Alloys

CALCIUM BASE ALLOYS [01]
DA December 1, 1974
BT1 Calcium Alloys
BT2 Alloys

CALCIUM BORIDES [01]
DA December 1, 1974
BT1 Borides
BT2 Boron Compounds
BT1 Calcium Compounds
BT2 Alkaline Earth Metal Compounds

CALCIUM BROMIDES [01]
DA December 1, 1974
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Calcium Halides
BT2 Calcium Compounds
BT3 Alkaline Earth Metal Compounds
BT2 Halides
BT3 Halogen Compounds

CALCIUM CARBIDES [01]
DA December 1, 1974
BT1 Calcium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Carbides
BT2 Carbon Compounds

CALCIUM CARBONATES [01]
DA December 1, 1974
BT1 Calcium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Carbonates
BT2 Carbon Compounds
BT2 Oxygen Compounds
NT1 Ankerite
NT1 Ferroan
NT1 Shortite
NT1 Travertine
RT Aragonite
RT Calcite
RT Carbonate Minerals
RT Dolomite
RT Liebigite
RT Limestone
RT Liming
RT Marble
RT Marlstone
RT Phosphate Rocks
RT Schroeckingerite

CALCIUM CHLORIDES [01]
DA December 1, 1974
BT1 Calcium Halides
BT2 Calcium Compounds
BT3 Alkaline Earth Metal Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds

CALCIUM COMPLEXES [01]
DA December 1, 1974
BT1 Alkaline Earth Metal Complexes
BT2 Complexes

CALCIUM COMPOUNDS [01]
DA December 1, 1974
BT1 Alkaline Earth Metal Compounds
NT1 Calcium Borides
NT1 Calcium Carbides
NT1 Calcium Carbonates
NT2 Ankerite
NT2 Ferroan
NT2 Shortite
NT2 Travertine
NT1 Calcium Halides
NT2 Calcium Bromides
NT2 Calcium Chlorides
NT2 Calcium Fluorides
NT2 Calcium Iodides
NT1 Calcium Hydrides
NT1 Calcium Hydroxides
NT1 Calcium Nitrates
NT1 Calcium Nitrides
NT1 Calcium Oxides
NT2 Ellsworthite
NT2 Melanovanadite
NT2 Pascoite
NT2 Rauvite
NT1 Calcium Perchlorates
NT1 Calcium Phosphates
* NT1 Calcium Silicates
NT1 Calcium Silicides
NT1 Calcium Sulfates
NT1 Calcium Sulfides
NT1 Calcium Tungstates

CALCIUM FLUORIDES [01]
DA December 1, 1974
BT1 Calcium Halides
BT2 Calcium Compounds
BT3 Alkaline Earth Metal Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
RT Fluorite
RT Halide Minerals
RT Thermoluminescent Dosemeters

CALCIUM HALIDES [01]
DA April 8, 1975
BT1 Calcium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Halides
BT2 Halogen Compounds
NT1 Calcium Bromides
NT1 Calcium Chlorides
NT1 Calcium Fluorides
NT1 Calcium Iodides

CALCIUM HYDRIDES [01]
DA December 1, 1974
BT1 Calcium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Hydrides
BT2 Hydrogen Compounds

CALCIUM HYDROXIDES [01]
DA December 1, 1974
BT1 Calcium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds

CALCIUM IODIDES [01]
DA December 1, 1974
BT1 Calcium Halides
BT2 Calcium Compounds
BT3 Alkaline Earth Metal Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds

CALCIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

CALCIUM ISOTOPES [01]
DA December 1, 1974
BT1 Alkaline Earth Isotopes
BT2 Isotopes
NT1 Calcium 35
NT1 Calcium 36
NT1 Calcium 37
NT1 Calcium 38

NT1 Calcium 39
NT1 Calcium 40
NT1 Calcium 41
NT1 Calcium 42
NT1 Calcium 43
NT1 Calcium 44
NT1 Calcium 45
NT1 Calcium 46
NT1 Calcium 47
NT1 Calcium 48
NT1 Calcium 49
NT1 Calcium 50
NT1 Calcium 51
NT1 Calcium 52
NT1 Calcium 53
RT Bone Seekers

CALCIUM NITRATES [01]
DA December 1 1974
BT1 Calcium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds

CALCIUM NITRIDES [01]
DA December 1 1974
BT1 Calcium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides

CALCIUM OXIDES [01]
DA December 1 1974
BT1 Calcium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds
NT1 Ellsworthite
NT1 Metatorbernite
NT1 Pascoite
NT1 Rauvite
RT Becquerelite
RT Liming
RT Oxide Minerals
RT Perovskite
RT Tyuyamunite
RT Zeunerite
RT Zirconolite

CALCIUM PERCHLORATES [01]
DA January 21 1975
BT1 Calcium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Perchlorates
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Oxygen Compounds

CALCIUM PHOSPHATES [01]
DA December 1 1974
BT1 Calcium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds
RT Anhydrite
RT Lermantovite
RT Phosphate Rocks

CALCIUM SILICATES [01]
DA December 1 1974
BT1 Calcium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Silicates
BT2 Oxygen Compounds
BT2 Silicon Compounds
NT1 Andradite
NT1 Epidotes
NT1 Kainosite
NT1 Laventite
NT1 Ranquilite
NT1 Uranotile
RT Eudialyte
RT Garnets
RT Ryalite
RT Silicate Minerals
RT Uranophane

CALCIUM SILICIDES [01]
DA June 7 1978
BT1 Calcium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Silicides
BT2 Silicon Compounds

CALCIUM SULFATES [01]
DA December 1 1974
BT1 Calcium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds
RT Gypsum
RT Polyhalite
RT Sulfate Minerals
RT Thermoluminescent Dosimeters

CALCIUM SULFIDES [01]
DA December 1 1974
BT1 Calcium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds

CALCIUM TUNGSTATES [01]
DA December 1 1974
BT1 Calcium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Inorganic Phosphors
BT2 Phosphors
BT1 Tungstates

CALCRETES
DA June 14 1978
BT1 Conglomerates
BT2 Sedimentary Rocks
BT3 Rocks
DEF Conglomerate consisting of surficial sand and gravel cemented in a hard mass by calcium carbonate. Important host rock for uranium deposits in some parts of the world

CALCULATION METHODS [01]
DA November 11 1975
NT1 Adjoint Difference Method
NT1 Binary Encounter Method
NT1 Bogolyubov Method
NT1 Brueckner Method
NT1 Case Method
NT1 Chew Low Method
NT1 Discrete Ordinate Method
NT1 Feynman Method
NT1 Finite Element Method
NT2 Boundary Element Method
NT1 Generator Coordinate Method
NT1 Hartree Fock Method
NT1 Homogenization Methods
NT1 Iterative Methods
NT2 Finite Difference Method
NT2 Galerkin Petrov Method
NT2 Newton Method
NT2 Runge Kutta Method
NT1 K Harmonics Method
NT1 LCAO Method
NT1 Lyapunov Method
NT1 Molecular Orbital Method
NT1 Moments Method
NT1 Monte Carlo Method
NT1 Multiple Collision Method
NT1 N D Method
NT1 Nodal Expansion Method
NT1 Omnes Muskhelishvili Method
NT1 Oseen Method
NT1 Patterson Method
NT1 Response Matrix Method
NT1 Ritz Method
NT1 Rydberg Klein Rees Method
NT1 Saddle Point Method
NT1 Slater Method
NT1 Spherical Harmonics Method
NT2 P1 Approximation
NT2 P2 Approximation
NT2 P3 Approximation
NT1 Tamm Dancoff Method
NT1 Transfer Matrix Method
NT1 Variational Methods
NT2 HSR Procedure
NT2 Resonating Group Method
NT2 Schwinger Variational Method
NT1 Wick Chandrasekhar Method
NT1 Wigner Seitz Method
NT1 Yvon Method
RT Measuring Methods
RT Numerical Solution
RT Sensitivity Analysis

Calculations (1 Dimensional)
DA December 1 1974
USE One Dimensional Calculations

Calculations (2 Dimensional)
DA December 1 1974
USE Two Dimensional Calculations

Calculations (3 Dimensional)
DA December 1 1974
USE Three Dimensional Calculations

Calculations (4 Dimensional)
DA December 1 1974
USE Four Dimensional Calculations

Calculations (Computer)
DA December 1 1974
USE Computer Calculations

Calculations (Many Dimensions)
DA December 1 1974
USE Many Dimensional Calculations

CALCULATORS [01]
DA November 14 1978
UF *Pocket Calculators*
RT Computers
RT Data Processing

CALCULI [01]
(In biology and medicine only, to be assigned in coordination with descriptors specifying their location such as URINARY TRACT PANCREAS etc.)
DA December 1 1974
UF Gallstones
UF Kidney Stones
RT Kidneys
RT Urinary Tract

Calculus (Differential)
DA December 1 1974
USE Differential Calculus

CALCUTTA CYCLOTRON [01]
DA March 24 1983
BT1 Heavy Ion Accelerators
BT2 Accelerators
BT1 Variable Energy Cyclotrons
BT2 Cyclotrons
BT3 Cyclic Accelerators
BT4 Accelerators

CALDASITE [01]
DA December 1 1974
BT1 Uranium Ores
BT2 Ores
RT Baddeleyite
RT Zircon

CALDER HALL A-1 REACTOR [01]
(Seascale Cumbria, UK)
DA December 1 1974
UF *A-1 Reactor (Calder Hall)*
BT1 Carbon Dioxide Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Magnox Type Reactors
BT2 GCR Type Reactors
BT3 Gas Cooled Reactors
BT4 Reactors
BT3 Graphite Moderated Reactors
BT4 Reactors
BT2 Natural Uranium Reactors

BT3 Reactors
BT1 Plutonium Production Reactors
BT2 Production Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

CALDER HALL A-2 REACTOR (01)
(Seascale Cumbria UK)
DA December 1 1974
UF *A 2 Reactor (Calder Hall)*
BT1 Carbon Dioxide Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Magnox Type Reactors
BT2 GCR Type Reactors
BT3 Gas Cooled Reactors
BT4 Reactors
BT3 Graphite Moderated Reactors
BT4 Reactors
BT2 Natural Uranium Reactors
BT3 Reactors
BT1 Plutonium Production Reactors
BT2 Production Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

CALDER HALL B-3 REACTOR (01)
(Seascale Cumbria UK)
DA December 1 1974
BT1 Carbon Dioxide Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Magnox Type Reactors
BT2 GCR Type Reactors
BT3 Gas Cooled Reactors
BT4 Reactors
BT3 Graphite Moderated Reactors
BT4 Reactors
BT2 Natural Uranium Reactors
BT3 Reactors
BT1 Plutonium Production Reactors
BT2 Production Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

CALDER HALL B-4 REACTOR (01)
(Seascale Cumbria UK)
DA December 1 1974
BT1 Carbon Dioxide Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Magnox Type Reactors
BT2 GCR Type Reactors
BT3 Gas Cooled Reactors
BT4 Reactors
BT3 Graphite Moderated Reactors
BT4 Reactors
BT2 Natural Uranium Reactors
BT3 Reactors
BT1 Plutonium Production Reactors
BT2 Production Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

CALDERAS
DA August 4 1976
RT Volcanoes
DEF Large basin shaped volcanic depressions more or less circular in form the diameter of which is many times greater than that of the included vent or vents

CALENDARS
DA November 28 1976
RT Time Measurement

CALHOUN-1 REACTOR (01)
DA December 1 1974
UF *Fort Calhoun 1 Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

CALHOUN-2 REACTOR (01)
DA November 28 1976
UF *Fort Calhoun 2 Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

CALIBRATION (01)
DA December 1 1974
RT Absolute Counting
RT Accuracy
RT Calibration Standards
RT Inspection
RT Sealing Laws

CALIBRATION STANDARDS (01)
DA December 1 1974
UF *Reference Materials (Standard)*
UF *SRM*
U. *Standard Reference Materials*
BT1 Standards
RT Accuracy
RT Calibration
RT Interlaboratory Comparisons
RT Nisus Facility
RT SSDL
RT Standardization

CALIFORNIA (01)
DA December 1 1974
BT1 USA
BT2 Developed Countries
BT2 North America
NT1 Brawley Geothermal Field
NT1 Coso Hot Springs
NT1 Imperial Valley
NT1 Long Valley
NT1 Los Angeles
RT Atomics International Canoga Park Plant
RT Edna Deposit
RT Geysers Geothermal Field
RT Great Basin
RT Heber Geothermal Field
RT Humboldt Bay
RT Lawrence Berkeley Laboratory
RT Lawrence Livermore Laboratory
RT Salton Sea Geothermal Field
RT San Bernardino Mountains
RT San Francisco Bay
RT Sandia Laboratories
RT Santa Barbara Channel
RT UCLA
RT US Naval Petroleum Reserves
RT US West Coast
RT Wendell Amedee Hot Springs

CALIFORNIUM (01)
DA December 1 1974
BT1 Actinides
BT2 Metals
BT3 Elements
BT1 Transplutonium Elements
BT2 Transuranium Elements
BT3 Elements

CALIFORNIUM 238 (01)
DA November 23 1979
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Californium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Even Even Nuclei
BT2 Nuclei

CALIFORNIUM 239 (01)
DA March 11 1982
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Californium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Even Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CALIFORNIUM 240 (01)
DA December 5 1980
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Californium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Even Even Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CALIFORNIUM 241 (01)
DA December 5 1980
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Californium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even Odd Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CALIFORNIUM 242 (01)
DA December 1 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Californium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Even Even Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CALIFORNIUM 243 (01)
DA December 1 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Californium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even Odd Nuclei
BT2 Nuclei

BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CALIFORNIUM 244 [01]
DA December 1 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Californium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Even Even Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CALIFORNIUM 244 TARGET [01]
DA September 11 1978
BT1 Targets

CALIFORNIUM 245 [01]
DA December 1 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Californium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even Odd Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CALIFORNIUM 246 [01]
DA December 1 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Californium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even Even Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CALIFORNIUM 246 TARGET [01]
DA August 6 1984
BT1 Targets

CALIFORNIUM 247 [01]
DA December 1 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Californium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even Odd Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CALIFORNIUM 248 [01]
DA December 1 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Californium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even Even Nuclei
BT2 Nuclei
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CALIFORNIUM 249 [01]
DA December 1 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Californium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Even Odd Nuclei
BT2 Nuclei
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CALIFORNIUM 249 TARGET [01]
DA July 9 1976
BT1 Targets

CALIFORNIUM 250 [01]
DA December 1 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Californium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Even Even Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CALIFORNIUM 250 TARGET [01]
DA August 24 1977
BT1 Targets

CALIFORNIUM 251 [01]
DA December 1 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Californium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Even Odd Nuclei
BT2 Nuclei
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CALIFORNIUM 251 TARGET [01]
DA July 9 1976
BT1 Targets

CALIFORNIUM 252 [01]
DA December 1 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Californium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Even Even Nuclei
BT2 Nuclei
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CALIFORNIUM 252 TARGET [01]
DA July 9 1976
BT1 Targets

CALIFORNIUM 253 [01]
DA December 1 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Californium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even Odd Nuclei
BT2 Nuclei

CALIFORNIUM 254 [01]
DA December 1 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Californium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even Even Nuclei
BT2 Nuclei
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CALIFORNIUM 254 TARGET [01]
DA July 5 1978
BT1 Targets

CALIFORNIUM 255 [01]
DA November 1 1976
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Beta Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Californium Isotopes
BT2 Actinide Isotopes

BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CALIFORNIUM 256 [01]
DA December 22, 1977
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Californium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

Californium Additions
(Prior to August 1993 this was a valid descriptor.)
DA January 21, 1975
USE Alloys

CALIFORNIUM ALLOYS [01]
DA October 23, 1978
BT1 Actinide Alloys
BT2 Alloys

CALIFORNIUM ARSENIDES [01]
DA October 23, 1978
BT1 Arsenides
BT2 Arsenic Compounds
BT2 Pnictides
BT1 Californium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds

CALIFORNIUM BROMIDES [01]
DA December 1, 1974
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Californium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds

CALIFORNIUM CARBIDES [01]
DA December 1, 1974
BT1 Californium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Carbides
BT2 Carbon Compounds

CALIFORNIUM CHLORIDES [01]
DA December 1, 1974
BT1 Californium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds

CALIFORNIUM COMPLEXES [01]
DA December 1, 1974
BT1 Actinide Complexes
BT2 Complexes
BT1 Transuranium Complexes

CALIFORNIUM COMPOUNDS [01]
DA December 1, 1974
BT1 Actinide Compounds
BT1 Transplutonium Compounds
BT2 Transuranium Compounds
NT1 Californium Arsenides
NT1 Californium Bromides
NT1 Californium Carbides
NT1 Californium Chlorides
NT1 Californium Fluorides
NT1 Californium Iodides
NT1 Californium Nitrates
NT1 Californium Nitrides
NT1 Californium Oxides
NT1 Californium Selenides
NT1 Californium Sulfates
NT1 Californium Sulfides
NT1 Californium Tellurides

CALIFORNIUM FLUORIDES [01]
DA December 1, 1974
BT1 Californium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds

CALIFORNIUM IODIDES [01]
DA December 1, 1974
BT1 Californium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds

CALIFORNIUM IONS [01]
DA January 21, 1975
BT1 Ions
BT2 Charged Particles

CALIFORNIUM ISOTOPES [01]
DA December 1, 1974
BT1 Actinide Isotopes
BT2 Isotopes
NT1 Californium 238
NT1 Californium 239
NT1 Californium 240
NT1 Californium 241
NT1 Californium 242
NT1 Californium 243
NT1 Californium 244
NT1 Californium 245
NT1 Californium 246
NT1 Californium 247
NT1 Californium 248
NT1 Californium 249
NT1 Californium 250
NT1 Californium 251
NT1 Californium 252
NT1 Californium 253
NT1 Californium 254
NT1 Californium 255
NT1 Californium 256

CALIFORNIUM NITRATES [01]
DA December 1, 1974
BT1 Californium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds

CALIFORNIUM NITRIDES [01]
DA December 1, 1974
BT1 Californium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides

CALIFORNIUM OXIDES [01]
DA December 1, 1974
BT1 Californium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds

CALIFORNIUM SELENIDES [01]
DA October 23, 1978
BT1 Californium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Selenides
BT2 Chalcogenides
BT2 Selenium Compounds

CALIFORNIUM SULFATES [01]
DA May 15, 1975
BT1 Californium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds

CALIFORNIUM SULFIDES [01]
DA December 1, 1974
BT1 Californium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds

CALIFORNIUM TELLURIDES [01]
DA October 23, 1978
BT1 Californium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds

CALIPER LOGGING
DA August 24, 1976
BT1 Well Logging

CALLAWAY-1 REACTOR [01]
(Fulton, Missouri, USA)
DA January 21, 1975
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

CALLAWAY-2 REACTOR [01]
(Fulton, Missouri, USA)
DA January 21, 1975
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

CALMODULIN [01]
DA July 22, 1987
BT1 Proteins
BT2 Organic Compounds
RT Membrane Transport
RT Receptors

CALORICON PROCESS
DA August 4, 1981
BT1 Waste Processing
BT2 Processing
BT2 Waste Management
BT3 Management
RT Gasification
RT Intermediate BTU Gas

RT Materials Recovery
RT Solid Wastes

CALORIFIC VALUE [01]
DA January 23, 1976
UF *BTU Content*
BT1 Combustion Properties
RT Combustion
RT Fuels
DEF Quantity of heat liberated on the complete combustion of a unit weight or unit volume of fuel.

CALORIMETERS [01]
DA December 1, 1974
BT1 Measuring Instruments
RT Calorimetric Dosemeters
RT Calorimetry
RT Temperature Measurement

Calorimeters (Particle)
DA March 28, 1979
USE Shower Counters

CALORIMETRIC DOSEMETERS [01]
DA December 1, 1974
BT1 Dosemeters
BT2 Measuring Instruments
RT Calorimeters
RT Thermocouples

CALORIMETRY [01]
DA December 1, 1974
RT Calorimeters
RT Heat Transfer
RT Temperature Measurement

Calorizing
DA December 1, 1974
USE Diffusion Coating

CALTECH SYNCHROTRON [01]
DA December 1, 1974
UF *CIT Synchrotron*
BT1 Synchrotrons
BT2 Cyclic Accelerators
BT3 Accelerators

Calutrons
DA February 10, 1984
USE Electromagnetic Isotope Separators

CALVERT CLIFFS-1 REACTOR [01]
(Lusby, Maryland, USA)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

CALVERT CLIFFS-2 REACTOR [01]
(Lusby, Maryland)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

CALVES [01]
DA December 1, 1974
BT1 Cattle
BT2 Domestic Animals
BT3 Animals
BT2 Ruminants
BT3 Mammals
BT4 Vertebrates
BT5 Animals

CALVIN CYCLE SPECIES [01]
DA July 3, 1986
BT1 Plants
RT C4 Species
RT Carbon Dioxide Fixation
RT Chloroplasts
RT Leaves
RT Photosynthesis
DEF Plants that fix carbon by the reductive pentose phosphate pathway only.

CAM
DA July 7, 1983
USE Computer-Aided Manufacturing

CAMAC SYSTEM [01]
(Computer Application to Measurement And Control.)
DA December 1, 1974
RT Computers
RT Data Acquisition Systems
RT Data Transmission
RT Electronic Equipment
RT Equipment Interfaces
RT Fastbus System
RT Nuclear Instrument Modules
RT On-Line Control Systems
RT Specifications

Cambium
DA December 1, 1974
USE Meristems

CAMBODIA [01]
DA December 1, 1974
BT1 Asia

CAMBRIAN PERIOD [01]
DA October 19, 1977
BT1 Paleozoic Era
BT2 Geologic Ages

CAMBRIDGE ELECTRON ACCELERATOR [01]
DA December 1, 1974
BT1 Synchrotrons
BT2 Cyclic Accelerators
BT3 Accelerators

Camellia sinensis
DA November 25, 1980
USE Tea Plants

→**CAMELS [01]**
DA February 5, 1992
BT1 Ruminants
BT2 Mammals
BT3 Vertebrates
BT4 Animals
RT Domestic Animals

CAMERA TUBES [01]
DA December 1, 1974
BT1 Image Tubes
NT1 Iconoscopes
NT1 Orthicons
NT1 Vidicons
RT Television

CAMERAS [01]
DA December 1, 1974
NT1 Gamma Cameras
NT2 Positron Cameras
NT1 Neutron Cameras
NT1 Streak Cameras
NT1 Television Cameras
RT Photography
RT Radioisotope Scanning
RT Television

CAMEROON [01]
DA December 1, 1974
BT1 Africa
BT1 Developing Countries

CAMP
DA December 1, 1974
USE AMP

Camp Century Medium Power Plant 2A
DA December 1, 1974
USE PM-2A Reactor

CAMPBELLING CIRCUITS [01]
DA January 21, 1975
BT1 Electronic Circuits
RT Ionization Chambers
DEF Circuit based on Campbell's mean square theorem for evaluating the signal from an ionization chamber.

CAMPHENE [01]
DA December 1, 1974
BT1 Cycloalkenes
BT2 Alkenes
BT3 Hydrocarbons
BT4 Organic Compounds
BT1 Terpenes
BT2 Organic Compounds

CAMPHOR [01]
DA December 1, 1974
BT1 Ketones
BT2 Organic Compounds
BT1 Terpenes
BT2 Organic Compounds
RT Celluloid

CANADA [01]
DA December 1, 1974
BT1 Developed Countries
BT1 North America
NT1 Alberta
NT1 British Columbia
NT1 Manitoba
NT1 New Brunswick
NT1 Newfoundland
NT1 Northwest Territories
NT2 Port Radium
NT1 Nova Scotia
NT1 Ontario
NT2 Chalk River
NT2 Deep River
NT2 Elliot Lake
NT1 Prince Edward Island
NT1 Quebec
NT1 Saskatchewan
NT2 Beaverlodge
NT1 Yukon Territory
RT Appalachian Mountains
RT Athabasca Deposit
RT Atomic Energy of Canada LTD
RT Bay of Fundy
RT Chalk River Nuclear Labs
RT Cold Lake Deposit
RT Fraser River
RT Lake Wabamun
RT Nelson River
RT OECD
RT Peace River Deposit
RT Polar Gas Project
RT Rocky Mountains
RT Saint Clair River
RT Saint John River
RT Wabasca Deposit

Canada-India Reactor
DA December 1, 1974
USE Cirus Reactor

Canada NRX Research Reactor
DA December 1, 1974
USE NRX Reactor

CANADIAN AECB [01]
(Canadian Atomic Energy Control Board.)
DA June 2, 1977
BT1 Canadian Organizations
BT2 National Organizations

Canadian NRU Reactor
DA December 1, 1974
USE NRU Reactor

CANADIAN ORGANIZATIONS [01]
DA February 26, 1975
BT1 National Organizations
NT1 Atomic Energy of Canada LTD
NT2 Chalk River Nuclear Labs

NT1 Canadian AECB
NT1 WNRE

Canals (Waterways)
DA December 1, 1974
USE Inland Waterways

CANARE [01]
(Convention on Assistance in the Case of Nuclear Accident or Radiological Emergency.)
DA March 20, 1989
BT1 International Agreements
BT2 Agreements
RT IAEA
RT Radiation Accidents
RT Reactor Accidents

CANARY ISLANDS
DA April 8, 1975
BT1 Islands
BT1 Spain
BT2 Developing Countries
BT2 Western Europe
BT3 Europe

Canberra Tokamak
DA May 19, 1976
USE LT-3 Tokamak

CANCELLATION [01]
(Primarily for, but not limited to, energy facilities.)
DA September 15, 1983
RT Amortization
RT Decommissioning
RT Planning
RT Shutdown

Cancer
DA December 1, 1974
USE Neoplasms

CANDIDA [01]
DA December 1, 1974
UF *Monilia*
BT1 Yeasts
BT2 Eumycota
BT3 Fungi
BT4 Plants
BT2 Microorganisms

Candu Reactor
DA December 16, 1975
USE Douglas Point Ontario Reactor

CANDU TYPE REACTORS [01]
DA October 28, 1975
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Pressure Tube Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors
NT1 Bruce-1 Reactor
NT1 Bruce-2 Reactor
NT1 Bruce-3 Reactor
NT1 Bruce-4 Reactor
NT1 Bruce-5 Reactor
NT1 Bruce-6 Reactor
NT1 Bruce-7 Reactor
NT1 Bruce-8 Reactor
NT1 Cernavoda-1 Reactor
NT1 Cordoba Reactor
NT1 Darlington-1 Reactor
NT1 Darlington-2 Reactor
NT1 Darlington-3 Reactor
NT1 Darlington-4 Reactor
NT1 Douglas Point Ontario Reactor
NT1 Embalse Reactor
NT1 Gentilly-2 Reactor
NT1 Kaiga-1 Reactor
NT1 Kaiga-2 Reactor
NT1 Kakrapar-1 Reactor
NT1 Kakrapar-2 Reactor
NT1 KANUPP Reactor
NT1 NPD Reactor
NT1 Pickering-1 Reactor
NT1 Pickering-2 Reactor
NT1 Pickering-3 Reactor
NT1 Pickering-4 Reactor
NT1 Pickering-5 Reactor
NT1 Pickering-6 Reactor
NT1 Pickering-7 Reactor
NT1 Pickering-8 Reactor
NT1 Point Lepreau-1 Reactor
NT1 Point Lepreau-2 Reactor
NT1 Rajasthan-1 Reactor
NT1 Rajasthan-2 Reactor
NT1 Rajasthan-3 Reactor
NT1 Rajasthan-4 Reactor
NT1 Wolsung-1 Reactor
NT1 Wolsung-2 Reactor

Canines
DA June 15, 1981
USE Dogs

Canis Latrans
DA April 17, 1981
USE Coyotes

Canisters
DA November 8, 1984
USE Containers

CANNEL COAL
DA January 24, 1975
BT1 Sapropelic Coal
BT2 Coal
BT3 Carbonaceous Materials
BT4 Materials
BT3 Fossil Fuels
BT4 Energy Sources
BT4 Fuels

CANNIKIN EVENT [01]
DA December 1, 1974
BT1 Grommet Operation
BT2 Nuclear Explosions
BT3 Explosions
BT2 Underground Explosions
BT3 Explosions

CANNING [01]
DA December 1, 1974
UF *Sheathing*
BT1 Materials Working
BT2 Fabrication
RT Cladding
RT Fuel Cans

CANONICAL DIMENSION [01]
DA April 4, 1975
BT1 Scale Dimension
RT Commutation Relations
DEF Scale dimension of quantum fields obeying canonical equal-time commutation relations.

Canonical Equations
DA December 1, 1974
USE Differential Equations

Canonical Quantum Field Theory
DA May 3, 1979
USE Lagrangian Field Theory

CANONICAL TRANSFORMATIONS [01]
DA December 1, 1974
BT1 Transformations
NT1 Bogolyubov Transformation
NT1 Foldy-Wouthuysen Transform
RT Equations of Motion
RT Mathematics
RT Mechanics
RT Quantum Mechanics

CANOPIES [01]
(Vegetative canopies only.)
DA February 7, 1985
RT Forests
RT Ground Cover
RT Leaves
RT Plants
RT Throughfall
RT Trees

Caorso Reactor
DA April 29, 1975
USE ENEL-4 Reactor

CAP ROCK
DA January 23, 1975
RT Rocks

CAPACITANCE [01]
DA June 13, 1981
BT1 Electrical Properties
BT2 Physical Properties
RT Deep Level Transient Spectroscopy
RT Dielectric Properties
RT Electric Charges
RT Electric Impedance
RT Inductance

CAPACITIVE ENERGY STORAGE EQUIPMENT
DA February 27, 1979
BT1 Equipment
RT Capacitors
RT Energy Storage
RT Energy Storage Systems
RT Peaking Power Plants

CAPACITORS [01]
DA December 1, 1974
UF *Condensers (Electric)*
UF *Electric Condensers*
BT1 Electrical Equipment
BT2 Equipment
RT Capacitive Energy Storage Equipment
RT Dielectric Materials
RT Electrostatics
RT Energy Storage
RT Energy Storage Systems
RT Power Supplies

CAPACITRONS [01]
DA December 1, 1974
BT1 Rectifier Tubes
BT2 Electron Tubes

CAPACITY [01]
DA June 2, 1977
UF *Generating Capacity*
UF *Production Capacity*
UF *Reserve Capacity*
RT Load Management
RT Outages
RT Power Generation
RT Production

CAPE FEAR RIVER [01]
DA April 8, 1975
BT1 Rivers
BT2 Streams
BT3 Surface Waters
RT North Carolina

CAPE KENNEDY [01]
DA December 1, 1974
BT1 Florida
BT2 USA
BT3 Developed Countries
BT3 North America

CAPE VERDE ISLANDS [01]
DA December 10, 1979
BT1 Islands
RT Atlantic Ocean

CAPILLARIES [01]
DA December 1, 1974
BT1 Blood Vessels
BT2 Cardiovascular System
BT2 Organs
BT3 Body
RT Glomeruli
RT Histamine
RT Respiration
RT Supercritical Fluid Chromatography
RT Tissues
RT Vasoconstriction
RT Vasodilation

Capillary Action Shaping Technique
DA February 11, 1980
USE CAST Method

CAPILLARY FLOW [01]
DA December 1, 1974
BT1 Fluid Flow
RT Heat Pipe Wicks
RT Heat Pipes

CAPITAL [01]
DA December 1, 1974
RT Capitalized Cost
RT Cost
RT Credit Accounts
RT Economics
RT Euromarket
RT Expenditures
RT Financing
RT Investment
RT Loan Guarantees

Capital Costs
DA February 9, 1983
USE Capitalized Cost

CAPITALIZED COST [01]
DA June 6, 1980
UF *Capital Costs*
BT1 Cost
RT Capital
RT Economic Analysis
RT Operating Cost
DEF Money spent for long-term additions or improvements.

Capric Acid
DA December 1, 1974
USE Decanoic Acid

Caproic Acid
DA December 1, 1974
USE Hexanoic Acid

Caprylic Acid
DA December 1, 1974
USE Octanoic Acid

CAPSICUM [01]
DA December 1, 1974
BT1 Magnoliopsida
BT2 Magnoliophyta
BT3 Plants
RT Peppers
RT Spices

CAPSULES [01]
DA December 1, 1974
BT1 Containers
RT Encapsulation

Capsules (Irradiation)
DA December 1, 1974
USE Irradiation Capsules

CAPTURE [01]
DA December 1, 1974
UF *Radiative Capture*
UF+ *Neutron Capture*
NT1 Electron Capture
RT Capture-to-Fission Ratio
RT Electron Capture Decay
RT Interactions
RT Nuclear Reactions
RT Panofsky Ratio
RT R Process
RT Stein Theory
RT Valency Model

CAPTURE-TO-FISSION RATIO [01]
DA December 1, 1974
UF *Neutron Capture-to-Fission Ratio*
RT Capture
RT Fission Ratio
RT Interactions
RT Nuclear Reactions

Carassius
DA December 1, 1974
USE Goldfish

Caraway
DA December 1, 1974
USE Ranunculaceae

CARBAMATES [01]
DA December 1, 1974
BT1 Carbonic Acid Derivatives
BT2 Organic Compounds
BT1 Carboxylic Acid Salts
BT1 Organic Nitrogen Compounds
BT2 Organic Compounds
NT1 DEDTC
NT1 Urethane
RT Carbamic Acid Esters

CARBAMIC ACID ESTERS [01]
DA December 1, 1974
BT1 Carboxylic Acid Esters
BT2 Esters
BT3 Organic Compounds
RT Carbamates

Carbamide
DA December 1, 1974
USE Urea

CARBANIONS
DA May 18, 1981
BT1 Anions
BT2 Ions
BT3 Charged Particles
RT Reaction Intermediates
DEF A negatively charged organic ion such as H_3C-RC-, having one more electron than the corresponding free radical.

CARBAZIDES [01]
DA December 1, 1974
BT1 Carbonic Acid Derivatives
BT2 Organic Compounds
BT1 Organic Nitrogen Compounds
BT2 Organic Compounds

CARBAZOLES [01]
DA December 1, 1974
UF *Dibenzopyrroles*
BT1 Azaarenes
BT2 Aromatics
BT3 Organic Compounds
BT2 Heterocyclic Compounds
BT3 Organic Compounds
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
BT1 Azoles
BT2 Heterocyclic Compounds
BT3 Organic Compounds
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
RT Pyrroles

CARBAZONES [01]
DA December 1, 1974
BT1 Carbonic Acid Derivatives
BT2 Organic Compounds
BT1 Organic Nitrogen Compounds
BT2 Organic Compounds
NT1 Diphenylcarbazones
NT1 Dithizone

CARBENES [01]
DA March 3, 1978
BT1 Radicals
RT Reaction Intermediates
DEF An organic radical containing divalent carbon as CH_2, CHOH, CHF, etc.

CARBIDES [01]
DA December 1, 1974
BT1 Carbon Compounds
NT1 Aluminium Carbides
NT1 Americium Carbides
NT1 Barium Carbides
NT1 Berkelium Carbides
NT1 Beryllium Carbides
NT1 Boron Carbides
NT1 Cadmium Carbides
NT1 Calcium Carbides
NT1 Californium Carbides
NT1 Cerium Carbides
NT1 Cesium Carbides
NT1 Chromium Carbides
NT1 Cobalt Carbides
NT1 Copper Carbides
NT1 Curium Carbides
NT1 Dysprosium Carbides
NT1 Einsteinium Carbides
NT1 Erbium Carbides
NT1 Europium Carbides
NT1 Fermium Carbides
NT1 Gadolinium Carbides
NT1 Gallium Carbides
NT1 Germanium Carbides
NT1 Hafnium Carbides
NT1 Helium Carbides
NT1 Holmium Carbides
NT1 Indium Carbides
NT1 Iridium Carbides
NT1 Iron Carbides
NT2 Cast Iron
NT2 Cementite
NT2 Ni-Hard
NT1 Lanthanum Carbides
NT1 Lead Carbides
NT1 Lithium Carbides
NT1 Lutetium Carbides
NT1 Magnesium Carbides
NT1 Manganese Carbides
NT1 Mendelevium Carbides
NT1 Molybdenum Carbides
NT1 Neodymium Carbides
NT1 Neptunium Carbides
NT1 Nickel Carbides
NT1 Niobium Carbides
NT1 Nitrogen Carbides
NT1 Nobelium Carbides
NT1 Osmium Carbides
NT1 Palladium Carbides
NT1 Platinum Carbides
NT1 Plutonium Carbides
NT1 Potassium Carbides
NT1 Praseodymium Carbides
NT1 Protactinium Carbides
NT1 Rhenium Carbides
NT1 Rhodium Carbides
NT1 Rubidium Carbides
NT1 Ruthenium Carbides
NT1 Samarium Carbides
NT1 Scandium Carbides
NT1 Selenium Carbides
NT1 Silicon Carbides
NT1 Sodium Carbides
NT1 Strontium Carbides
NT1 Tantalum Carbides
NT1 Technetium Carbides
NT1 Tellurium Carbides
NT1 Terbium Carbides
NT1 Thallium Carbides
NT1 Thorium Carbides
NT1 Thulium Carbides
NT1 Tin Carbides
NT1 Titanium Carbides
NT1 Tungsten Carbides
NT1 Uranium Carbides
NT1 Vanadium Carbides
NT1 Ytterbium Carbides
NT1 Yttrium Carbides
NT1 Zinc Carbides
NT1 Zirconium Carbides
RT Carbonitrides
RT Decarburization
RT Oxycarbides

Carbinol
DA December 1, 1974
USE Methanol

CARBITOLS [01]
DA December 1, 1974
UF *Diglycol Monoalkyl Ethers*
BT1 Ethers
BT2 Organic Oxygen Compounds
BT3 Organic Compounds
BT1 Glycols
BT2 Alcohols
BT3 Hydroxy Compounds
BT4 Organic Compounds
BT1 Organic Solvents
BT2 Solvents

CARBOHYDRATES [01]
DA December 1, 1974
BT1 Organic Compounds
NT1 Glycosides
NT2 Cardiac Glycosides
NT3 Digitalis Glycosides
NT4 Digitoxin
NT4 Digoxin
NT3 Strophanthins

NT4 Ouabain
NT2 Hesperidin
NT2 Phlorizin
NT2 Saponins
NT2 Strophantin
NT2 UDPG
NT1 Saccharides
NT2 Glucoproteins
NT3 Lactoferrin
NT3 Ovalbumin
NT2 Glycolipids
NT3 Cerebrosides
NT3 Gangliosides
NT2 Monosaccharides
NT3 Erythritol
NT3 Hexoses
NT4 Cycasin
NT4 Fructose
NT4 Galactose
NT4 Glucose
NT4 Hexosamines
NT5 Glucosamine
NT4 Mannose
NT4 Sorbose
NT3 Inositols
NT4 Inositol
NT3 Pentoses
NT4 Arabinose
NT4 Deoxyribose
NT4 Ribose
NT4 Ribulose
NT4 Xylose
NT3 Sedoheptulose
NT3 Sialic Acid
NT3 Sorbitol
NT2 Oligosaccharides
NT3 Disaccharides
NT4 Cellobiose
NT4 Lactose
NT4 Maltose
NT4 Melibiose
NT4 Saccharose
NT3 Raffinose
NT2 Polysaccharides
NT3 Agar
NT3 Alginic Acid
NT3 Cellophane
NT3 Cellulose
NT3 Dextran
NT3 Dextrin
NT3 Glycogen
NT3 Gum Acacia
NT3 Hemicellulose
NT4 Xylans
NT3 Inulin
NT3 Lignin
NT3 Lipopolysaccharides
NT3 Mucopolysaccharides
NT4 Chitin
NT4 Chondroitin
NT4 Heparin
NT4 Hyaluronic Acid
NT3 Mucoproteins
NT4 Haptoglobins
NT4 Intrinsic Factor
NT4 Phytohemagglutinin
NT3 Nitrocellulose
NT3 Pectins
NT3 Rayon
NT3 Starch
NT3 Viscose
NT3 Xanthum Gum
RT Food
RT Glycolysis
RT Phosphoenolpyruvate

CARBOLOY [01]
DA December 1, 1974
BT1 Cobalt Alloys
BT2 Alloys
BT1 Tantalum Alloys
BT2 Alloys
BT1 Titanium Alloys
BT2 Alloys
BT1 Tungsten Alloys
BT2 Alloys

CARBON [01]
DA December 1, 1974
BT1 Nonmetals
BT2 Elements
NT1 Activated Carbon
NT1 Carbon Black
NT1 Carbynes
NT1 Diamonds
NT1 Fullerenes
NT1 Graphite
NT1 Pyrolytic Carbon
RT Carbon Fibers
RT Carbon Meters
RT Decarburization

CARBON 8 [01]
DA May 15, 1975
BT1 Carbon Isotopes
BT2 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei

CARBON 9 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Carbon Isotopes
BT2 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CARBON 10 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Carbon Isotopes
BT2 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CARBON 10 BEAMS [01]
DA December 2, 1988
BT1 Radioactive Ion Beams
BT2 Ion Beams
BT3 Beams

CARBON 11 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Carbon Isotopes
BT2 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CARBON 11 BEAMS [01]
DA July 18, 1985
BT1 Radioactive Ion Beams
BT2 Ion Beams
BT3 Beams
BT1 Secondary Beams
BT2 Particle Beams
BT3 Beams

CARBON 11 TARGET [01]
DA July 24, 1979
BT1 Targets

CARBON 12 [01]
DA December 1, 1974
BT1 Carbon Isotopes
BT2 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
RT Carbon 12 Beams

CARBON 12 BEAMS [01]
DA December 1, 1974
BT1 Ion Beams
BT2 Beams
RT Carbon 12

→**CARBON 12 EMISSION DECAY [01]**
DA May 17, 1991
BT1 Heavy Ion Emission Decay
BT2 Nuclear Decay
BT3 Decay

CARBON 12 REACTIONS [01]
DA December 1, 1974
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

CARBON 12 TARGET [01]
DA July 9, 1976
BT1 Targets

CARBON 13 [01]
DA December 1, 1974
BT1 Carbon Isotopes
BT2 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
RT Carbon 13 Beams

CARBON 13 BEAMS [01]
DA December 1, 1974
BT1 Ion Beams
BT2 Beams
RT Carbon 13

CARBON 13 REACTIONS [01]
DA December 1, 1974
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

CARBON 13 TARGET [01]
DA July 9, 1976
BT1 Targets

CARBON 14 [01]
DA December 1, 1974
UF+ *Radiocarbon Dating*
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Carbon Isotopes
BT2 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
RT Carbon 14 Beams
RT Carbon 14 Compounds
RT Carbon 14 Reactions
RT Isotope Dating

CARBON 14 BEAMS [01]
DA December 1, 1974
BT1 Radioactive Ion Beams
BT2 Ion Beams
BT3 Beams
RT Carbon 14

CARBON 14 COMPOUNDS [01]
DA December 1, 1974
BT1 Carbon Compounds
BT1 Labelled Compounds
RT Carbon 14
RT Labelling

CARBON 14 DECAY RADIOISOTOPES [01]
DA October 12, 1988
BT1 Heavy Ion Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
NT1 Radium 222
NT1 Radium 223
NT1 Radium 224
NT1 Radium 226
RT Carbon 14 Emission Decay

CARBON 14 EMISSION DECAY [01]
DA October 12, 1988
BT1 Heavy Ion Emission Decay
BT2 Nuclear Decay
BT3 Decay
RT Carbon 14 Decay Radioisotopes

CARBON 14 REACTIONS [01]
DA December 1, 1974
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions
RT Carbon 14

CARBON 14 TARGET [01]
DA July 9, 1976
BT1 Targets

CARBON 15 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Carbon Isotopes
BT2 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CARBON 16 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Carbon Isotopes
BT2 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

→**CARBON 16 EMISSION DECAY [01]**
DA May 17, 1991
BT1 Heavy Ion Emission Decay
BT2 Nuclear Decay
BT3 Decay

CARBON 16 TARGET [01]
DA May 7, 1977
BT1 Targets

CARBON 17 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Carbon Isotopes
BT2 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CARBON 18 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Carbon Isotopes
BT2 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CARBON 19 [01]
DA December 1, 1974
BT1 Carbon Isotopes
BT2 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei

CARBON 20 [01]
DA December 1, 1974
BT1 Carbon Isotopes
BT2 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei

CARBON 22 [01]
DA March 28, 1979
BT1 Carbon Isotopes
BT2 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei

CARBON ADDITIONS [01]
DA December 1, 1974
BT1 Alloys
NT1 Alloy-Co43Cr20Fe18Ni13W3
NT2 HAVAR
NT1 Alloy-Co66Cr26W6
NT2 Deloro Stellite 6
NT1 Alloy-EhP-496
NT1 Alloy-Fe31Cr21Co20Ni20Mo3W2
NT2 Alloy-HD-556
NT2 Alloy-N-155
NT1 Alloy-HS-31
NT1 Alloy-IN-102
NT1 Alloy-N-9M
NT1 Alloy-N-10M
NT1 Alloy-N28T3
NT1 Alloy-N55M20V25
NT1 Alloy-N65M20V15
NT1 Alloy-Ni60Co15Cr10Al6Ti5Mo3
NT2 Alloy-IN-100
NT1 Alloy-S-816
NT1 Alloy-V-36
NT1 Ascoloy
NT1 Astroloy
NT1 Austenite
NT1 Discaloy
NT1 Duriron
NT1 Ferrite
NT1 HAVAR
NT1 Martensite
NT1 Rene 41
NT1 Rene 95

CARBON BLACK [01]
DA December 1, 1974
BT1 Carbon
BT2 Nonmetals
BT3 Elements

CARBON BURNING [01]
(Astrophysical processes only.)
DA October 19, 1978
BT1 Star Burning
RT Nucleosynthesis
RT Star Evolution
RT Star Models
RT Stars

CARBON-CARBON LYASES [01]
(Code Number 4.1.)
DA January 30, 1981
BT1 Lyases
BT2 Enzymes
BT3 Proteins
BT4 Organic Compounds
NT1 Aldehyde-Lyases
NT1 Aldolases
NT1 Carboxy-Lyases
NT2 Carboxylase
NT2 Decarboxylases
NT2 Ribulose Diphosphate Carboxylase

CARBON COMPLEXES [01]
DA December 1, 1974
BT1 Complexes

CARBON COMPOUNDS [01]
DA December 1, 1974
NT1 Carbides
NT2 Aluminium Carbides
NT2 Americium Carbides
NT2 Barium Carbides
NT2 Berkelium Carbides
NT2 Beryllium Carbides
NT2 Boron Carbides
NT2 Cadmium Carbides
NT2 Calcium Carbides
NT2 Californium Carbides
NT2 Cerium Carbides
NT2 Cesium Carbides
NT2 Chromium Carbides
NT2 Cobalt Carbides
NT2 Copper Carbides
NT2 Curium Carbides
NT2 Dysprosium Carbides
NT2 Einsteinium Carbides
NT2 Erbium Carbides
NT2 Europium Carbides
NT2 Fermium Carbides
NT2 Gadolinium Carbides
NT2 Gallium Carbides
NT2 Germanium Carbides
NT2 Hafnium Carbides
NT2 Helium Carbides
NT2 Holmium Carbides
NT2 Indium Carbides
NT2 Iridium Carbides
NT2 Iron Carbides
NT3 Cast Iron
NT3 Cementite
NT3 Ni-Hard
NT2 Lanthanum Carbides
NT2 Lead Carbides
NT2 Lithium Carbides
NT2 Lutetium Carbides
NT2 Magnesium Carbides
NT2 Manganese Carbides
NT2 Mendelevium Carbides
NT2 Molybdenum Carbides
NT2 Neodymium Carbides
NT2 Neptunium Carbides
NT2 Nickel Carbides
NT2 Niobium Carbides
NT2 Nitrogen Carbides
NT2 Nobelium Carbides
NT2 Osmium Carbides
NT2 Palladium Carbides
NT2 Platinum Carbides
NT2 Plutonium Carbides
NT2 Potassium Carbides
NT2 Praseodymium Carbides
NT2 Protactinium Carbides
NT2 Rhenium Carbides
NT2 Rhodium Carbides
NT2 Rubidium Carbides
NT2 Ruthenium Carbides
NT2 Samarium Carbides
NT2 Scandium Carbides
NT2 Selenium Carbides
NT2 Silicon Carbides
NT2 Sodium Carbides
NT2 Strontium Carbides
NT2 Tantalum Carbides
NT2 Technetium Carbides
NT2 Tellurium Carbides
NT2 Terbium Carbides
NT2 Thallium Carbides
NT2 Thorium Carbides
NT2 Thulium Carbides
NT2 Tin Carbides

NT2 Titanium Carbides
NT2 Tungsten Carbides
NT2 Uranium Carbides
NT2 Vanadium Carbides
NT2 Ytterbium Carbides
NT2 Yttrium Carbides
NT2 Zinc Carbides
NT2 Zirconium Carbides
NT1 Carbon 14 Compounds
NT1 Carbon Fluorides
NT1 Carbon Nitrides
NT1 Carbon Oxides
NT2 Carbon Dioxide
NT2 Carbon Monoxide
NT1 Carbon Oxysulfide
NT1 Carbon Sulfides
NT1 Carbonates
NT2 Americium Carbonates
NT2 Ammonium Carbonates
NT3 AUC
NT2 Barium Carbonates
NT2 Berkelium Carbonates
NT2 Beryllium Carbonates
NT2 Bismuth Carbonates
NT2 Cadmium Carbonates
NT2 Calcium Carbonates
NT3 Ankerite
NT3 Ferroan
NT3 Shortite
NT3 Travertine
NT2 Cerium Carbonates
NT2 Cesium Carbonates
NT2 Cobalt Carbonates
NT2 Copper Carbonates
NT2 Curium Carbonates
NT2 Erbium Carbonates
NT2 Europium Carbonates
NT2 Gadolinium Carbonates
NT2 Holmium Carbonates
NT2 Iron Carbonates
NT3 Ankerite
NT3 Ferroan
NT3 Siderite
NT2 Lanthanum Carbonates
NT2 Lead Carbonates
NT2 Lithium Carbonates
NT2 Lutetium Carbonates
NT2 Magnesium Carbonates
NT3 Ankerite
NT3 Ferroan
NT2 Manganese Carbonates
NT3 Ankerite
NT2 Molybdenum Carbonates
NT2 Neodymium Carbonates
NT2 Neptunium Carbonates
NT2 Nickel Carbonates
NT2 Plutonium Carbonates
NT2 Polycarbonates
NT2 Potassium Carbonates
NT2 Praseodymium Carbonates
NT2 Radium Carbonates
NT2 Rhenium Carbonates
NT2 Rubidium Carbonates
NT2 Samarium Carbonates
NT2 Scandium Carbonates
NT2 Silver Carbonates
NT2 Sodium Carbonates
NT3 Dawsonite
NT3 Nahcolite
NT3 Shortite
NT3 Trona
NT2 Strontium Carbonates
NT2 Terbium Carbonates
NT2 Thallium Carbonates
NT2 Thorium Carbonates
NT2 Uranium Carbonates
NT3 Diderichite
NT3 Sharpite
NT2 Uranyl Carbonates
NT2 Ytterbium Carbonates
NT2 Yttrium Carbonates
NT2 Zinc Carbonates
NT2 Zirconium Carbonates
NT1 Carbonic Acid
NT1 Carbonitrides
NT1 Carbonium Compounds
NT1 Carboranes
NT1 Oxycarbides
RT Soot

CARBON CYCLE [01]
DA March 5, 1979
RT Air-Water Interactions
RT Carbon Dioxide Fixation
RT Carbon Sinks
RT Carbon Sources
RT Deforestation
RT Ecological Concentration
RT Ecosystems
RT Metabolism
RT Mineral Cycling
RT Photosynthesis
RT Ribulose Diphosphate Carboxylase

CARBON DIOXIDE [01]
DA December 1, 1974
BT1 Carbon Oxides
BT2 Carbon Compounds
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
RT Carbon Dioxide Fixation
RT Greenhouse Gases
RT Inert Atmosphere
RT Phosphoenolpyruvate

Carbon Dioxide Acceptor Process
(Prior to July 1993, this was a valid descriptor.)
DA January 24, 1975
USE Coal Gasification
AND SNG Processes
DEF Consolidation Coal Company process for producing high-Btu gas by catalytic methanation of synthesis gas. Heat for the reaction of coal and steam is supplied by reacting the carbon dioxide formed with calcined dolomite.

CARBON DIOXIDE COOLED REACTORS [01]
DA May 6, 1975
BT1 Gas Cooled Reactors
BT2 Reactors
NT1 Berkeley Reactor
NT1 Bohunice A-1 Reactor
NT1 Bradwell Reactor
NT1 Bugey-1 Reactor
NT1 Calder Hall A-1 Reactor
NT1 Calder Hall A-2 Reactor
NT1 Calder Hall B-3 Reactor
NT1 Calder Hall B-4 Reactor
NT1 Cesar Reactor
NT1 Chapelcross-1 Reactor
NT1 Chapelcross-2 Reactor
NT1 Chapelcross-3 Reactor
NT1 Chapelcross-4 Reactor
NT1 Chinon-1 Reactor
NT1 Chinon-2 Reactor
NT1 Chinon-3 Reactor
NT1 Connah Quay-B Reactor
NT1 Dungeness-A Reactor
NT1 Dungeness-B Reactor
NT1 EL-2 Reactor
NT1 EL-4 Reactor
NT1 G-2 Reactor
NT1 G-3 Reactor
NT1 Hartlepool Reactor
NT1 Hector Reactor
NT1 Hero Reactor
NT1 Heysham-A Reactor
NT1 Heysham-B Reactor
NT1 Hinkley Point-A Reactor
NT1 Hinkley Point-B Reactor
NT1 Hunterston-A Reactor
NT1 Hunterston-B Reactor
NT1 Latina Reactor
NT1 Lucens Reactor
NT1 Niederaichbach Reactor
NT1 Oldbury-A Reactor
NT1 Oldbury-B Reactor
NT1 Saint Laurent-1 Reactor
NT1 Saint Laurent-2 Reactor
NT1 Sizewell-A Reactor
NT1 Tokai-Mura Reactor
NT1 Torness Reactor
NT1 Trawsfynydd Reactor
NT1 Vandellos Reactor
NT1 WAGR Reactor
NT1 Wylfa Reactor
RT AGR Type Reactors
RT GCR Type Reactors
RT Magnox Type Reactors

CARBON DIOXIDE FIXATION [01]
DA February 23, 1982
UF *Fixation (Carbon Dioxide)*
RT Air
RT C4 Species
RT Calvin Cycle Species
RT Carbon Cycle
RT Carbon Dioxide
RT Carbon Sources
RT Metabolism
RT Photosynthesis
RT Plant Growth
RT Ribulose Diphosphate Carboxylase

CARBON DIOXIDE INJECTION [01]
DA August 7, 1978
UF *CO2 Flooding*
BT1 Miscible-Phase Displacement
BT2 Fluid Injection
RT Enhanced Recovery
RT Oil Wells
RT Well Stimulation

CARBON DIOXIDE LASERS [01]
DA December 1, 1974
BT1 Gas Lasers
BT2 Lasers
RT Antares Facility
RT Helios Facility

CARBON FIBERS [01]
DA November 11, 1975
UF *Graphite Fibers*
BT1 Fibers
RT Carbon
RT Graphite

CARBON FLUORIDES [01]
DA December 1, 1974
BT1 Carbon Compounds
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds

→**CARBON-GROUP TRANSFERASES [01]**
DA August 27, 1991
BT1 Transferases
BT2 Enzymes
BT3 Proteins
BT4 Organic Compounds
NT1 Methyl Transferases

CARBON IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

CARBON ISOTOPES [01]
DA December 1, 1974
BT1 Isotopes
NT1 Carbon 8
NT1 Carbon 9
NT1 Carbon 10
NT1 Carbon 11
NT1 Carbon 12
NT1 Carbon 13
NT1 Carbon 14
NT1 Carbon 15
NT1 Carbon 16
NT1 Carbon 17
NT1 Carbon 18
NT1 Carbon 19
NT1 Carbon 20
NT1 Carbon 22

CARBON METERS [01]
DA August 9, 1977
BT1 Meters
BT2 Measuring Instruments
RT Carbon
RT Chemical Analysis

CARBON MONOXIDE [01]
DA December 1, 1974
BT1 Carbon Oxides
BT2 Carbon Compounds
BT2 Oxides
BT3 Chalcogenides

BT3 Oxygen Compounds
RT Bosch Process
RT Carbonyls
RT Carboxyhemoglobin

CARBON MONOXIDE LASERS [01]
DA January 30, 1975
BT1 Gas Lasers
BT2 Lasers
RT Laser Radiation

CARBON NITRIDES [01]
DA December 1, 1974
BT1 Carbon Compounds
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides

Carbon-Nitrogen-Oxygen Cycle
DA October 19, 1978
USE CNO Cycle

Carbon Oxide Sulfide
DA September 11, 1975
USE Carbon Oxysulfide

CARBON OXIDES [01]
DA December 1, 1974
BT1 Carbon Compounds
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds
NT1 Carbon Dioxide
NT1 Carbon Monoxide

Carbon Oxychloride
DA December 1, 1974
USE Phosgene

CARBON-OXYGEN LYASES [01]
(Code number 4.2.)
DA January 30, 1981
BT1 Lyases
BT2 Enzymes
BT3 Proteins
BT4 Organic Compounds
NT1 Hydro-Lyases
NT2 Carbonic Anhydrase

CARBON OXYSULFIDE
DA September 11, 1975
UF *Carbon Oxide Sulfide*
UF *Carbonyl Sulfide*
BT1 Carbon Compounds
BT1 Sulfur Compounds
RT Carbonic Acid Derivatives

CARBON SINKS [01]
DA August 4, 1981
BT1 Sinks
RT Carbon Cycle
RT Carbon Sources
RT Mineral Cycling

CARBON SOURCES [01]
DA June 12, 1986
RT Biosphere
RT Carbon Cycle
RT Carbon Dioxide Fixation
RT Carbon Sinks
RT Environmental Transport
RT Mineral Cycling
RT Pollution Sources

CARBON STARS [01]
DA December 1, 1974
BT1 Main Sequence Stars
BT2 Stars

CARBON STEELS [01]
DA December 1, 1974
UF *Steel-08G2SFB*
BT1 Steels
BT2 Iron Base Alloys
BT3 Iron Alloys
BT4 Alloys
NT1 Steel-ASTM-A105
NT1 Steel-ASTM-A106
NT1 Steel-ASTM-A212
NT1 Steel-ASTM-A285
NT1 Steel-ASTM-A416
NT1 Steel-ASTM-A516
NT1 Steel-ASTM-A533-B
NT1 Steel-In-787
NT1 Steel-SAE-1006
NT1 Steel-SAE-1045

CARBON SULFIDES [01]
DA December 1, 1974
UF *Sulfur Carbides*
BT1 Carbon Compounds
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds

CARBON TETRACHLORIDE [01]
DA February 5, 1975
UF *Tetrachloromethane*
BT1 Chlorinated Aliphatic Hydrocarbons
BT2 Halogenated Aliphatic Hydrocarbons
BT3 Organic Halogen Compounds
BT4 Organic Compounds
BT2 Organic Chlorine Compounds
BT3 Organic Halogen Compounds
BT4 Organic Compounds
RT Methane
RT Organic Solvents

CARBON TETRAFLUORIDE [01]
DA August 4, 1976
UF *Tetrafluoromethane*
BT1 Fluorinated Aliphatic Hydrocarbons
BT2 Halogenated Aliphatic Hydrocarbons
BT3 Organic Halogen Compounds
BT4 Organic Compounds
BT2 Organic Fluorine Compounds
BT3 Organic Halogen Compounds
BT4 Organic Compounds
RT Methane

CARBONACEOUS MATERIALS [01]
DA January 23, 1975
BT1 Materials
NT1 Bituminous Materials
NT2 Kerogen
NT2 Oil Sands
NT2 Oil Shales
NT1 Coal
NT2 Black Coal
NT3 Anthracite
NT3 Bituminous Coal
NT2 Brown Coal
NT3 Lignite
NT2 Coal Fines
NT2 Sapropelic Coal
NT3 Boghead Coal
NT4 Torbanite
NT3 Cannel Coal
NT2 Subbituminous Coal
RT Organic Matter
DEF Material rich in carbon.

CARBONATE MINERALS [01]
DA May 12, 1982
BT1 Minerals
NT1 Andersonite
NT1 Ankerite
NT1 Aragonite
NT1 Bayleyite
NT1 Calcite
NT1 Cordylite
NT1 Dawsonite
NT1 Diderichite
NT1 Dolomite
NT1 Ferroan
NT1 Liebigite
NT1 Nahcolite
NT1 Rutherfordite
NT1 Schroeckingerite
NT1 Sharpite
NT1 Shortite
NT1 Siderite
NT1 Trona
RT Calcium Carbonates
RT Cerium Carbonates
RT Iron Carbonates
RT Lanthanum Carbonates
RT Magnesium Carbonates
RT Manganese Carbonates
RT Shales
RT Sodium Carbonates
RT Uranium Carbonates

CARBONATE ROCKS [01]
DA August 4, 1976
BT1 Sedimentary Rocks
BT2 Rocks
NT1 Limestone
NT2 Travertine
RT Reservoir Rock
DEF Rocks composed principally of carbonates, especially if at least 50% by weight; one type of petroleum or natural gas trap.

CARBONATES [01]
DA December 1, 1974
BT1 Carbon Compounds
BT1 Oxygen Compounds
NT1 Americium Carbonates
NT1 Ammonium Carbonates
NT2 AUC
NT1 Barium Carbonates
NT1 Berkelium Carbonates
NT1 Beryllium Carbonates
NT1 Bismuth Carbonates
NT1 Cadmium Carbonates
NT1 Calcium Carbonates
NT2 Ankerite
NT2 Ferroan
NT2 Shortite
NT2 Travertine
NT1 Cerium Carbonates
NT1 Cesium Carbonates
NT1 Cobalt Carbonates
NT1 Copper Carbonates
NT1 Curium Carbonates
NT1 Erbium Carbonates
NT1 Europium Carbonates
NT1 Gadolinium Carbonates
NT1 Holmium Carbonates
NT1 Iron Carbonates
NT2 Ankerite
NT2 Ferroan
NT2 Siderite
NT1 Lanthanum Carbonates
NT1 Lead Carbonates
NT1 Lithium Carbonates
NT1 Lutetium Carbonates
NT1 Magnesium Carbonates
NT2 Ankerite
NT2 Ferroan
NT1 Manganese Carbonates
NT2 Ankerite
NT1 Molybdenum Carbonates
NT1 Neodymium Carbonates
NT1 Neptunium Carbonates
NT1 Nickel Carbonates
NT1 Plutonium Carbonates
NT1 Polycarbonates
NT1 Potassium Carbonates
NT1 Praseodymium Carbonates
NT1 Radium Carbonates
NT1 Rhenium Carbonates
NT1 Rubidium Carbonates
NT1 Samarium Carbonates
NT1 Scandium Carbonates
NT1 Silver Carbonates
NT1 Sodium Carbonates
NT2 Dawsonite
NT2 Nahcolite
NT2 Shortite
NT2 Trona
NT1 Strontium Carbonates
NT1 Terbium Carbonates
NT1 Thallium Carbonates
NT1 Thorium Carbonates
NT1 Uranium Carbonates
NT2 Diderichite
NT2 Sharpite
NT1 Uranyl Carbonates
NT1 Ytterbium Carbonates
NT1 Yttrium Carbonates
NT1 Zinc Carbonates
NT1 Zirconium Carbonates
RT Acid Carbonates
RT Acid Neutralizing Capacity

CARBONIC ACID [01]
DA May 7, 1977
BT1 Carbon Compounds
BT1 Inorganic Acids

BT2 Hydrogen Compounds
BT1 Oxygen Compounds

CARBONIC ACID DERIVATIVES [01]
DA December 1, 1974
BT1 Organic Compounds
NT1 Carbamates
NT2 DEDTC
NT2 Urethane
NT1 Carbazides
NT1 Carbazones
NT2 Diphenylcarbazones
NT2 Dithizone
NT1 Cyanamides
NT1 Cyanates
NT1 DPCA
NT1 Guanethidine
NT1 Guanidines
NT1 Isocyanic Acid
NT1 Isonitriles
NT1 MEG
NT1 Methyl Nitrosourea
NT1 Phosgene
NT1 Semicarbazides
NT1 Semicarbazones
NT1 Thiocyanates
NT2 Ammonium Thiocyanates
NT1 Thioureas
NT2 AET
NT2 Thiourea
NT1 Urea
RT Carbon Oxysulfide

CARBONIC ACID ESTERS
DA December 16, 1975
UF *Propylene Carbonate*
BT1 Esters
BT2 Organic Compounds

CARBONIC ANHYDRASE [01]
DA December 1, 1974
BT1 Hydro-Lyases
BT2 Carbon-Oxygen Lyases
BT3 Lyases
BT4 Enzymes
BT5 Proteins
BT6 Organic Compounds

CARBONIFEROUS PERIOD [01]
(Prior to April 1990 this material was indexed to MISSISSIPPIAN PERIOD or PENNSYLVANIAN PERIOD.)
DA October 20, 1977
UF *Mississippian Period*
UF *Pennsylvanian Period*
BT1 Paleozoic Era
BT2 Geologic Ages

CARBONITRIDES [01]
DA April 8, 1975
BT1 Carbon Compounds
BT1 Nitrogen Compounds
RT Carbides
RT Nitrides

CARBONIUM COMPOUNDS
DA January 21, 1983
BT1 Carbon Compounds
RT Cations

CARBONIZATION [01]
DA December 1, 1974
BT1 Decomposition
BT2 Chemical Reactions
NT1 Coking
NT1 Electrocarbonization
RT Clean Coke Process
RT Coalcon Process
RT Coke Ovens
RT Consol Stirred Bed Process
RT CSIRO Process
RT Decarbonization
RT Graphitization

Carbonyl Chloride
DA December 1, 1974
USE Phosgene

CARBONYL RADICALS [01]
DA December 1, 1974
BT1 Radicals
RT Carbonyls

Carbonyl Sulfide
DA November 1, 1976
USE Carbon Oxysulfide

CARBONYLATION [01]
DA July 5, 1978
UF *Hydroformylation*
BT1 Chemical Reactions

CARBONYLS [01]
(Only for compounds of metals with carbonyl radicals.)
DA December 1, 1974
RT Carbon Monoxide
RT Carbonyl Radicals
RT Metals

CARBORANES [01]
DA January 28, 1977
BT1 Carbon Compounds
BT1 Organic Boron Compounds
BT2 Organic Compounds
RT Boranes

CARBOWAX [01]
DA December 1, 1974
BT1 Polyethylene Glycols
BT2 Glycols
BT3 Alcohols
BT4 Hydroxy Compounds
BT5 Organic Compounds
BT2 Organic Polymers
BT3 Organic Compounds
BT3 Polymers
BT1 Waxes
BT2 Other Organic Compounds
BT3 Organic Compounds

CARBOX PROCESS
DA November 7, 1979
BT1 Reprocessing
BT2 Separation Processes
DEF Dry reprocessing of U and Th carbide fuel.

CARBOXY-LYASES [01]
(Code number 4.1.1.)
DA January 30, 1981
BT1 Carbon-Carbon Lyases
BT2 Lyases
BT3 Enzymes
BT4 Proteins
BT5 Organic Compounds
NT1 Carboxylase
NT1 Decarboxylases
NT1 Ribulose Diphosphate Carboxylase

CARBOXYHEMOGLOBIN [01]
DA July 7, 1976
RT Carbon Monoxide
RT Erythrocytes
RT Heme
RT Hemoglobin
RT Respiration

CARBOXYLASE [01]
DA December 1, 1974
BT1 Carboxy-Lyases
BT2 Carbon-Carbon Lyases
BT3 Lyases
BT4 Enzymes
BT5 Proteins
BT6 Organic Compounds

CARBOXYLATION [01]
DA December 1, 1974
BT1 Chemical Reactions
RT Decarboxylation
RT Lyases

CARBOXYLESTERASES [01]
(Code number 3.1.1.)
DA January 12, 1981
BT1 Esterases
BT2 Hydrolases
BT3 Enzymes
BT4 Proteins
BT5 Organic Compounds
NT1 Cholinesterase
NT1 Lipases

CARBOXYLIC ACID ESTERS [01]
DA December 1, 1974
BT1 Esters
BT2 Organic Compounds
NT1 Acetic Acid Esters
NT2 Isopentyl Acetate
NT2 Methyl Acetate
NT1 Acetoacetic Acid Esters
NT1 Acrylic Acid Esters
NT1 Bromosulfophthalein
NT1 Carbamic Acid Esters
NT1 Citric Acid Esters
NT1 Glucoheptonate
NT1 Malathion
NT1 Methacrylic Acid Esters
NT2 Methyl Methacrylate
NT1 Oxalic Acid Esters
NT1 Phenolphthalein
NT1 Retinoic Acid
NT1 Tartaric Acid Esters
RT Carboxylic Acids

CARBOXYLIC ACID SALTS [01]
DA December 1, 1974
NT1 Acetates
NT1 Acetoacetates
NT1 Acrylates
NT1 Carbamates
NT2 DEDTC
NT2 Urethane
NT1 Citrates
NT1 Formates
NT1 Lactates
NT1 Methacrylates
NT1 Oxalates
NT1 Phthalates
NT1 Stearates
NT1 Tartrates
NT2 Rochelle Salt
RT Carboxylic Acids
RT Esters

CARBOXYLIC ACIDS [01]
DA December 1, 1974
UF *Alkanoic Acids*
UF *Alkenoic Acids*
UF *Aromatic Acids*
UF *Fatty Acids*
UF+ *Aldehydo Acids*
BT1 Organic Acids
BT2 Organic Compounds
* **NT1** Amino Acids
NT1 Bile Acids
NT2 Cholic Acid
NT1 Carminic Acid
* **NT1** Dicarboxylic Acids
NT1 EGTA
NT1 Glyoxylic Acid
* **NT1** Heterocyclic Acids
* **NT1** Hydroxy Acids
NT1 Keto Acids
NT2 Acetoacetic Acid
NT2 Kynurenine
NT2 Levulinic Acid
NT2 Pyruvic Acid
NT1 Mellitic Acid
* **NT1** Monocarboxylic Acids
NT1 Tannic Acid
NT1 Tricarballylic Acid
RT Acid Halides
RT Alginic Acid
RT Carboxylic Acid Esters
RT Carboxylic Acid Salts
RT Ketenes
RT Metabolites
RT Nitriles

Carboxypeptidase
(Prior to January 1981, this was a valid descriptor and older material is so indexed.)
DA December 1, 1974
USE Carboxypeptidases

CARBOXYPEPTIDASES [01]
(Code number 3.4.12.)
DA January 30, 1981
UF *Carboxypeptidase*
BT1 Peptide Hydrolases
BT2 Hydrolases
BT3 Enzymes
BT4 Proteins
BT5 Organic Compounds

6-Carboxyuracil
DA December 1, 1974
USE Orotic Acid

CARBURAN [01]
DA December 1, 1974
BT1 Bitumens
BT2 Tar
BT3 Other Organic Compounds
BT4 Organic Compounds
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials

CARBURETORS [01]
DA October 25, 1978
BT1 Fuel Systems
RT Automotive Fuels
RT Fuel-Air Ratio
RT Internal Combustion Engines
RT Spark Ignition Engines

CARBURETTED WATER GAS
DA January 24, 1975
BT1 Intermediate BTU Gas
BT2 Fuel Gas
BT3 Gas Fuels
BT4 Fuels
BT3 Gases
BT4 Fluids
RT Water Gas
DEF Water gas enriched with gasified hydrocarbon oil.

CARBURIZATION [01]
DA December 1, 1974
BT1 Surface Hardening
BT2 Hardening
BT2 Surface Treatments
RT Decarburization

CARBYNES [01]
DA February 11, 1982
BT1 Carbon
BT2 Nonmetals
BT3 Elements
BT1 Radicals
RT Reaction Intermediates
DEF Monovalent carbon radical family comprising CH and its derivatives.

CARCINOEMBRYONIC ANTIGEN [01]
DA October 7, 1980
UF *CEA (Antigen)*
BT1 Antigens
RT Embryos
RT Neoplasms

CARCINOGEN SCREENING
DA January 9, 1981
BT1 Screening
RT Bioassay
RT Carcinogenesis
RT Carcinogens
RT Mutagen Screening
RT Testing

CARCINOGENESIS [01]
DA December 1, 1974
BT1 Pathogenesis
NT1 Leukemogenesis
RT Carcinogen Screening
RT Carcinogens
RT DNA Adducts
RT Neoplasms
RT Oncogenes
RT Oncogenic Transformations
RT Oncogenic Viruses

CARCINOGENS [01]
DA December 1, 1974
SF *Chemicals*
NT1 Cycasin
NT1 Phorbol Esters
RT Acetylaminofluorenes
RT Carcinogen Screening
RT Carcinogenesis
RT DNA Adducts
RT Environmental Exposure
RT Mutagens
RT Neoplasms
RT Nitrosamines
RT Occupational Exposure
RT Oncogenic Transformations
RT Polycyclic Aromatic Hydrocarbons
RT Radiation Equivalence
RT Radiomimetic Drugs
RT Teratogens
RT Tumor Promoters

CARCINOMAS [01]
DA December 1, 1974
UF *Adenocarcinomas*
UF *Pulmonary Cancer*
UF+ *Bronchogenic Carcinoma*
UF+ *Uterine Cervix Carcinoma*
BT1 Neoplasms
BT2 Diseases
NT1 Adenomas
NT1 Angiomas
NT1 Epitheliomas
NT2 Melanomas
NT1 Hepatomas
RT Epithelium

CARD PUNCHES
DA January 21, 1975
RT Computers

CARDIAC GLYCOSIDES
DA April 20, 1981
UF *Cardiotonic Glycosides*
BT1 Cardiotonics
BT2 Cardiovascular Agents
BT3 Drugs
BT1 Glycosides
BT2 Carbohydrates
BT3 Organic Compounds
NT1 Digitalis Glycosides
NT2 Digitoxin
NT2 Digoxin
NT1 Strophanthins
NT2 Ouabain

Cardiac Output
DA December 1, 1974
USE Blood Circulation

CARDIAC PACEMAKERS [01]
DA December 1, 1974
UF *Pacemakers*
RT Electric Batteries
RT Heart
RT Mechanical Heart
RT Prostheses
RT Radioisotope Batteries

CARDIOGRAPHY [01]
DA December 1, 1974
BT1 Diagnostic Techniques
NT1 Radiocardiography
RT Blood Circulation
RT Blood Pressure
RT Electrocardiograms
RT Heart

CARDIOLIPIN [01]
DA December 1, 1974
BT1 Phospholipids
BT2 Esters
BT3 Organic Compounds
BT2 Lipids
BT3 Organic Compounds
BT2 Organic Phosphorus Compounds
BT3 Organic Compounds

CARDIOPULMONARY RESUSCITATION
DA April 7, 1983
UF *CPR*
BT1 First Aid
BT2 Therapy
RT Blood Circulation

Cardiotonic Glycosides
DA December 1, 1974
USE Cardiac Glycosides

CARDIOTONICS [01]
DA December 1, 1974
UF *Strophanthin*
BT1 Cardiovascular Agents
BT2 Drugs
NT1 Adrenaline
NT1 Cardiac Glycosides
NT2 Digitalis Glycosides
NT3 Digitoxin
NT3 Digoxin
NT2 Strophanthins
NT3 Ouabain
NT1 Dopamine
NT1 Noradrenaline
RT Heart

CARDIOVASCULAR AGENTS [01]
DA April 20, 1981
BT1 Drugs
NT1 Antihypertensive Agents
NT2 Guanethidine
NT2 Reserpine
NT1 Cardiotonics
NT2 Adrenaline
NT2 Cardiac Glycosides
NT3 Digitalis Glycosides
NT4 Digitoxin
NT4 Digoxin
NT3 Strophanthins
NT4 Ouabain
NT2 Dopamine
NT2 Noradrenaline
NT1 Vasoconstrictors
NT2 Angiotensin
NT2 Ephedrine
NT1 Vasodilators
NT2 Dipyridamole
NT2 Theobromine
NT2 Theophylline
RT Blood Vessels
RT Cardiovascular Diseases
RT Cardiovascular System
RT Heart
RT Vasoconstriction
RT Vasodilation

CARDIOVASCULAR DISEASES [01]
DA December 1, 1974
UF *Heart Disease*
BT1 Diseases
NT1 Arteriosclerosis
NT1 Hypertension
NT1 Ischemia
NT1 Myocardial Infarction
NT1 Thrombosis
RT Cardiovascular Agents
RT Cardiovascular System
RT Emboli
RT Vascular Diseases

CARDIOVASCULAR SYSTEM [01]
DA December 1, 1974
NT1 Blood Vessels
NT2 Arteries
NT3 Aorta
NT3 Carotid Arteries
NT3 Cerebral Arteries
NT3 Coronaries
NT2 Capillaries
NT2 Veins
NT3 Portal System
NT1 Heart
NT2 Myocardium
NT2 Pericardium
RT Blood Circulation
RT Blood Pressure
RT Cardiovascular Agents
RT Cardiovascular Diseases
RT Lymphatic System
RT Organs

CARGO [01]
DA November 23, 1979
UF *Freight*
RT Commodities
RT Freight Pipelines
RT Materials Handling
RT Transport

CARIBBEAN SEA [01]
DA December 1, 1974
BT1 Atlantic Ocean
BT2 Seas

BT3 Surface Waters
NT1 Gulf of Mexico
NT2 Galveston Bay
NT2 San Antonio Bay
RT West Indies

Caribou
DA December 1, 1974
USE Deer

CARIES [01]
DA October 28, 1975
BT1 Pathological Changes
RT Dentistry
RT Teeth

CARL STILL PROCESS
DA January 30, 1979
BT1 Desulfurization
BT2 Chemical Reactions
RT Waste Processing
DEF Process in which ammonia water adsorbs H_2S. The acid gas is fed to a sulfuric acid production plant.

Carlson Method
DA July 29, 1975
USE Discrete Ordinate Method

Carlton Power Reactor
DA December 1, 1974
USE Kewaunee Reactor

CARMINIC ACID [01]
DA December 1, 1974
BT1 Anthraquinones
BT2 Quinones
BT3 Aromatics
BT4 Organic Compounds
BT3 Organic Oxygen Compounds
BT4 Organic Compounds
BT1 Carboxylic Acids
BT2 Organic Acids
BT3 Organic Compounds
BT1 Hydroxy Compounds
BT2 Organic Compounds
RT Dyes

CARNALLITE [01]
DA December 1, 1974
BT1 Halide Minerals
BT2 Minerals
RT Magnesium Chlorides
RT Potassium Chlorides

CARNATIONS [01]
DA December 1, 1974
BT1 Magnoliopsida
BT2 Magnoliophyta
BT3 Plants

CARNITINE [01]
DA December 1, 1974
UF *Novain*
UF *Vitamin B-T*
BT1 Amino Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT1 Hydroxy Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT1 Vitamin B Group
BT2 Vitamins
RT Betaine

CARNOT CYCLE [01]
DA December 1, 1974
BT1 Thermodynamic Cycles
RT Thermodynamics

CARNOTITE [01]
DA January 21, 1975
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
BT1 Uranium Vanadates
BT2 Uranium Compounds
BT3 Actinide Compounds
BT2 Vanadates
BT3 Oxygen Compounds
BT3 Vanadium Compounds
BT4 Transition Element Compounds
DEF $K_2(UO_2)_2(VO_4)_2 \cdot 3H_2O$

Carolina Power Light Robinson-2 Reactor
DA December 1, 1974
USE Robinson-2 Reactor

Carolinas Virginia Tube Reactor
DA December 1, 1974
USE CVTR Reactor

CAROTENOIDS [01]
DA December 1, 1974
BT1 Hydrocarbons
BT2 Organic Compounds
BT1 Pigments
BT1 Terpenes
BT2 Organic Compounds
RT Vitamin A
RT Vitamins

CAROTID ARTERIES [01]
DA December 1, 1974
BT1 Arteries
BT2 Blood Vessels
BT3 Cardiovascular System
BT3 Organs
BT4 Body
RT Head
RT Neck

CARPENTER [01]
DA December 1, 1974
BT1 Chromium-Nickel Steels
BT2 Chromium Alloys
BT3 Alloys
BT2 Nickel Alloys
BT3 Alloys
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys

CARPETBAG EVENT [01]
DA December 1, 1974
BT1 Emery Operation
BT2 Nuclear Explosions
BT3 Explosions
BT2 Underground Explosions
BT3 Explosions

Carpocapsa Pomonella
DA May 3, 1979
USE Codling Moth

CARPOOLING
DA April 19, 1976
SF *Ridesharing*
NT1 Vanpooling
RT Automobiles
RT Energy Conservation
RT Land Transport
RT Roads
RT Transportation Systems
RT Travel

CARRIER DENSITY [01]
DA December 1, 1974
UF *Density (Carrier)*
RT Charge Carriers
RT Current Density

CARRIER-FREE ISOTOPES [01]
DA December 1, 1974
BT1 Isotopes
RT Labelled Compounds
RT Labelling
RT Radioisotopes
RT Trace Amounts

CARRIER LIFETIME [01]
DA December 1, 1974
BT1 Lifetime
RT Charge Carriers

CARRIER MOBILITY [01]
DA December 1, 1974
BT1 Mobility
RT Charge Carriers
RT Electric Conductivity
RT Electron Transfer

CARRIERS [01]
(Not for CHARGE CARRIERS.)
DA December 1, 1974
RT Liposomes
RT Point Defects
RT Radioisotopes
RT Radionuclide Kinetics
RT Stable Isotopes

CARRIZO MOUNTAINS [01]
DA December 1, 1974
BT1 Mountains

CARROTS [01]
DA December 1, 1974
BT1 Magnoliopsida
BT2 Magnoliophyta
BT3 Plants
BT1 Vegetables
BT2 Food
BT2 Plants

CARS Spectroscopy
DA March 7, 1983
USE Raman Spectroscopy

CARTELS
DA September 19, 1977
RT Competition
RT Embargoes
RT Market
RT Monopolies
RT OPEC
RT Trade
DEF A voluntary, often international, combination of independent private enterprises supplying like commodities or services that agree to limit their competitive activities.

CARTESIAN COORDINATES [01]
DA December 1, 1974
BT1 Coordinates

CARTILAGE [01]
DA December 1, 1974
BT1 Connective Tissue
BT2 Animal Tissues
BT3 Tissues
BT4 Body
RT Bone Joints

Casaccia RANA Reactor
DA December 1, 1974
USE RANA Reactor

Casaccia ROSPO Reactor
DA December 1, 1974
USE ROSPO Reactor

Cascade (Extraction)
DA December 1, 1974
USE Extraction Columns

CASCADE IMPACTORS [01]
DA December 1, 1974
RT Aerosol Monitoring
RT Air Pollution Monitors
RT Air Samplers

CASCADE MOUNTAINS [01]
DA September 10, 1982
BT1 Mountains
NT1 Mt Baker
NT1 Mt Hood
NT1 Mt St Helens
RT Sierra Nevada Colorado

CASCADE REACTORS [01]
DA May 23, 1984
BT1 Laser Fusion Reactors

BT2 Thermonuclear Reactors
DEF Cascade is a laser fusion reactor that uses high temperature LiO_2 as a coolant and tritium breeding material. About 100m³ of fine LiO_2 pellets flow through a horizontally rotating vessel

CASCADE SHOWERS [01]
DA December 1, 1974
BT1 Showers
RT Cascade Theory
RT Cosmic Showers

CASCADE SOLAR CELLS [01]
DA July 18, 1981
UF *Graded Band Gap Solar Cells*
BT1 Solar Cells
BT2 Photovoltaic Cells
BT3 Photoelectric Cells
BT4 Direct Energy Converters
BT2 Solar Equipment
BT3 Equipment
RT Graded Band Gaps

CASCADE THEORY [01]
DA December 1, 1974
RT Cascade Showers
RT Gamma Cascades

Cascades (Nuclear)
DA December 1, 1974
USE Nuclear Cascades

CASE LAW [01]
DA June 24, 1977
BT1 Laws

CASE METHOD [01]
DA December 1, 1974
BT1 Calculation Methods
RT Transport Theory

CASEIN [01]
DA December 1, 1974
BT1 Organic Phosphorus Compounds
BT2 Organic Compounds
BT1 Proteins
BT2 Organic Compounds

CASIMIR EFFECT [01]
(Attractive force between two uncharged, conducting, parallel plates due to vacuum fluctuations of the electromagnetic field, i.e., quantum electromagnetic zero-point energy.)
DA November 18, 1986
RT Electric Fields
RT Vacuum Polarization

CASIMIR OPERATORS [01]
DA December 1, 1974
BT1 Mathematical Operators
RT Symmetry Groups

Casings
DA April 8, 1975
USE Coverings

Casings (Well)
DA January 27, 1981
USE Well Casings

CASKS [01]
DA December 1, 1974
UF *Flasks*
BT1 Containers
NT1 Spent Fuel Casks

CASPIAN SEA [01]
DA September 11, 1975
BT1 Seas
BT2 Surface Waters
RT Iran
RT USSR

CASSAVA [01]
DA December 1, 1974
UF *Manioc*
BT1 Magnoliopsida
BT2 Magnoliophyta
BT3 Plants
RT Food

CASSEGRANIAN CONCENTRATORS
DA March 17, 1981
BT1 Solar Concentrators
BT2 Solar Equipment
BT3 Equipment
RT Parabolic Reflectors
DEF Solar concentrator consisting of a paraboloidal primary reflector and a confocal hyperboloidal secondary reflector

CAST IRON [01]
DA December 1, 1974
BT1 Iron Base Alloys
BT2 Iron Alloys
BT3 Alloys
BT1 Iron Carbides
BT2 Carbides
BT3 Carbon Compounds
BT2 Iron Compounds
BT3 Transition Element Compounds
RT Pearlite

CAST METHOD
DA February 11, 1980
UF *Capillary Action Shaping Technique*
BT1 Crystal Growth Methods
RT Crystal Growth
RT EFG Method
RT Sheets
DEF Capillary action shaping technique for ribbon crystal growth

CASTAGNOLI FORMULA [01]
DA December 1, 1974
RT Angular Distribution

Caste (Insects)
DA December 1, 1974
USE Insects
AND Occupations
AND Populations

Castillejo-Dalitz-Dyson Poles
DA December 1, 1974
USE CDD Poles

CASTING [01]
DA December 1, 1974
BT1 Fabrication
NT1 Electroslag Casting
NT1 Slip Casting
NT1 Vacuum Casting
RT Casting Molds
RT Crucibles
RT Dies
RT Foundries
RT Materials Working
RT Melting
RT Molding

CASTING MOLDS [01]
DA December 1, 1974
UF *Molds (Casting)*
RT Casting
RT Castings
RT Dies
RT Molding

CASTINGS [01]
DA May 5, 1975
UF *Metal Castings*
RT Casting Molds
RT Machine Parts

CASTLE PROJECT [01]
DA December 1, 1974
UF *Project (Castle)*
BT1 Nuclear Explosions
BT2 Explosions
NT1 Bravo Event
NT1 Romeo Event
NT1 Yankee Event
RT Nuclear Weapons

CASTOR [01]
DA December 1, 1974
UF *Ricinus Communis*
BT1 Euphorbia
BT2 Magnoliopsida
BT3 Magnoliophyta
BT4 Plants
BT1 Medicinal Plants
BT2 Plants
RT Castor Oil

CASTOR OIL [01]
DA December 1, 1974
BT1 Vegetable Oils
BT2 Oils
BT3 Other Organic Compounds
BT4 Organic Compounds
RT Castor

CASTOR TOKAMAK [01]
(Institute of Plasma Physics, Czechoslovakian Academy of Sciences, Prague.)
DA June 9, 1987
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

CASTRATION [01]
DA December 1, 1974
BT1 Surgery
BT2 Medicine
RT Androgens
RT Estrogens
RT Gonads
RT Reproductive Disorders
RT Therapy

CAT-OX PROCESS
DA February 20, 1976
BT1 Desulfurization
BT2 Chemical Reactions
RT Waste Processing
DEF Catalytic oxidation method developed by Monsanto Enviro-Chem Systems, Inc., for removing sulfur dioxide from flue gas of fossil-fuel generating stations. System consists basically of following phases: fly ash collection, conversion of SO_2 to SO_3, heat recovery, removal of H_2SO_4, acid mist elimination, and acid storage and loading

CAT SCANNING [01]
DA March 3, 1976
UF *Computer Axial Tomography Scanning*
UF *CT Scanning*
BT1 Computerized Tomography
BT2 Tomography
BT3 Diagnostic Techniques
RT Biomedical Radiography
RT Image Processing

CATABOLISM [01]
DA December 1, 1974
BT1 Metabolism
RT Decomposition
RT Glycolysis
RT Proteolysis

Catacarb Carbon Dioxide Removal Process
DA January 29, 1975
USE Catacarb Process

CATACARB PROCESS
DA January 24, 1975
UF *Catacarb Carbon Dioxide Removal Process*
BT1 Desulfurization
BT2 Chemical Reactions
DEF Process for gas purification by removal of acid gases

Cataclysmic Variable Stars
DA June 29, 1984
USE Eruptive Variable Stars

CATAGENESIS
DA August 9, 1977
RT Diagenesis
RT Origin
RT Sediments
DEF Changes in a sedimentary rock caused by pressure temperature conditions quite different from those of deposition, opposed to diagenesis in which burial depth is slight and temperature close to that of deposition temperature

CATALASE [01]
DA December 1, 1974
BT1 Peroxidases
BT2 Oxidoreductases
BT3 Enzymes
BT4 Proteins
BT5 Organic Compounds

CATALOGS
DA January 23, 1978
BT1 Document Types
RT Directories

CATALYSIS [01]
DA December 1, 1974
NT1 Heterogeneous Catalysis
NT1 Homogeneous Catalysis
RT Catalysts
RT Catalytic Cracking
RT Catalytic Effects
RT Chemical Reaction Kinetics
RT Chemical Reactions
RT Coenzymes
RT Crystal Faces
RT Electrocatalysis
RT Enzyme Activity
RT Enzymes
RT Inhibition
RT Selective Catalytic Reduction
RT Ziegler Catalyst

CATALYST SUPPORTS [01]
DA June 14, 1978
UF *Supports (Catalyst)*
RT Catalysts
RT Substrates
RT Supports

CATALYSTS [01]
DA December 1, 1974
NT1 Electrocatalysts
NT1 Ziegler Catalyst
RT Additives
RT Catalysis
RT Catalyst Supports
RT Catalytic Combustors
RT Catalytic Converters
RT Promoters

CATALYTIC COMBUSTORS
DA April 6, 1978
BT1 Combustors
RT Air Pollution Control
RT Catalysts
RT Pollution Control Equipment
DEF Combustors which contain catalysts to increase efficiency and/or to reduce the emission of harmful gaseous pollutants.

CATALYTIC CONVERTERS [01]
DA April 8, 1975
BT1 Pollution Control Equipment
BT2 Equipment
RT Air Pollution Control
RT Automobiles
RT Catalysts
RT Exhaust Gases
DEF Air pollution control devices using a catalytic reaction to change gaseous effluents to harmless gases (no ignition system included).

CATALYTIC CRACKING [01]
DA December 15, 1978
BT1 Cracking
BT2 Pyrolysis
BT3 Decomposition
BT4 Chemical Reactions
BT3 Thermochemical Processes
RT Auration Process
RT Catalysis
RT Hydrocracking
RT Thermal Cracking

CATALYTIC EFFECTS [01]
DA January 30, 1975
RT Catalysis
RT Electrocatalysis

CATALYTIC HYDROSOLVATION PROCESS
DA August 7, 1978
BT1 Coal Liquefaction
BT2 Liquefaction
BT3 Thermochemical Processes
RT Desulfurization
DEF Coal is impregnated with catalysts (zinc chloride, stannous chloride, and ammonium molybdate), slurried with oil, and hydrogenated under hydrogen pressures up to 4000 psi at 400 to 500°C.

Catalytic IFP Amm. ia Scrubbing Process
DA April 12, 1977
USE IFP Process

CATALYTIC REFORMING [01]
DA January 30, 1979
BT1 Reformer Processes
BT2 Chemical Reactions
RT Refining
DEF Catalytic aromatization of the paraffins and naphthenes of a naphtha to a liquid

Catalytic Rich Gas Process
DA January 7, 1976
USE CRG Processes

Cataphoresis
DA December 1, 1974
USE Electrophoresis

CATAPLEITE [01]
DA December 1, 1974
BT1 Silicate Minerals
BT2 Minerals
RT Sodium Silicates
RT Zirconium Silicates

CATARACTS [01]
DA December 1, 1974
UF *Eye Cataracts*
BT1 Sense Organs Diseases
BT2 Diseases
RT Crystalline Lens

CATAWBA-1 REACTOR [01]
(York County, South Carolina, USA)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

CATAWBA-2 REACTOR [01]
(York County, South Carolina, USA)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

Catechol
DA December 1, 1974
USE Pyrocatechol

CATECHOLAMINES [01]
DA December 1, 1974
BT1 Amines
BT2 Organic Compounds
BT1 Polyphenols
BT2 Phenols
BT3 Aromatics
BT4 Organic Compounds
BT3 Hydroxy Compounds
BT4 Organic Compounds
RT Pyrocatechol

Cathepsin
(From January 1981 to August 1989, this was a valid descriptor and material from this period is so indexed.)
DA December 1, 1974
USE Cathepsins

CATHEPSINS [01]
(Code number 3.4.22.1.)
DA January 30, 1981
UF *Cathepsin*
BT1 SH Proteinases
BT2 Peptide Hydrolases
BT3 Hydrolases
BT4 Enzymes
BT5 Proteins
BT6 Organic Compounds

CATHODE FOLLOWERS [01]
DA December 1, 1974
BT1 Electronic Circuits
RT Pulse Amplifiers

CATHODE RAY TUBE DIGITIZERS [01]
DA December 1, 1974
UF *PEPR Devices*
BT1 Digitizers
BT2 Signal Conditioners
BT3 Pulse Circuits
BT4 Electronic Circuits

CATHODE RAY TUBES [01]
DA December 1, 1974
BT1 Electron Tubes
RT Display Devices
RT Electron Scanning
RT Image Tubes
RT Oscillographs

CATHODE SPUTTERING [01]
DA December 1, 1974
BT1 Sputtering
RT Physical Vapor Deposition
RT Vapor Plating

CATHODES [01]
DA December 1, 1974
BT1 Electrodes
NT1 Hollow Cathodes
NT1 Photocathodes
RT Cathodoluminescence
RT Electron Tubes
RT Thermionic Emitters

CATHODIC PROTECTION
DA March 8, 1977
BT1 Corrosion Protection
RT Electrochemical Corrosion
RT Pitting Corrosion

CATHODOLUMINESCENCE [01]
(Cathode-ray-excited emission)
DA December 1, 1974
BT1 Luminescence
RT Cathodes
RT Emission Spectroscopy

Cation Exchange Capacity
DA March 27, 1979
USE Cations
AND Ion Exchange

CATIONS [01]
DA December 1, 1974
UF *Positive Ions*
UF *Cation Exchange Capacity*
BT1 Ions
BT2 Charged Particles
NT1 Hydrogen Ions 1 Plus
NT1 Hydrogen Ions 2 Plus
NT1 Hydrogen Ions 3 Plus
RT Carbonium Compounds
RT Chemical State
RT Electrolysis
RT Ion Beams
RT Ion Exchange Materials

CATS [01]
DA December 1, 1974
BT1 Mammals
BT2 Vertebrates
BT3 Animals

CATTAILS [01]
DA November 28, 1980
BT1 Liliopsida
BT2 Magnoliophyta
BT3 Plants
RT Aquatic Ecosystems
RT Biomass
RT Marshes

CATTENOM-1 REACTOR [01]
DA September 5, 1984
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

CATTENOM-2 REACTOR [01]
DA September 5, 1984
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

CATTENOM-3 REACTOR [01]
DA September 5, 1984
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

CATTENOM-4 REACTOR [01]
DA September 5, 1984
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

CATTLE [01]
DA December 1, 1974
UF *Bovine*
BT1 Domestic Animals
BT2 Animals
BT1 Ruminants
BT2 Mammals
BT3 Vertebrates
BT4 Animals
NT1 Calves
NT1 Cow
RT F
RT Gramineae
RT Meat
RT Pastures

CAUCASUS
DA June 14, 1978
BT1 USSR
BT2 Asia
BT2 Developed Countries
BT2 Europe

CAUCHY PROBLEM [01]
DA December 1, 1974
RT Boundary Conditions
RT Differential Equations
RT Partial Differential Equations

Cauliflower
DA December 1, 1974
USE Brassica

CAULKING
DA November 9, 1977
RT Air Infiltration
RT Leaks
RT Weatherization

CAUSALITY [01]
DA December 1, 1974
RT Quantum Mechanics
RT Schwinger Source Theory

CAUSTIC FLOODING
DA October 23, 1978
UF *Alkaline Flooding*
BT1 Waterflooding
BT2 Fluid Injection
RT Enhanced Recovery
DEF Injection of alkaline solution to enhance recovery of residual petroleum.

CAVES [01]
DA December 1, 1974
BT1 Cavities
RT Geologic Fissures
RT Openings
RT Rock Caverns
RT Salt Caverns

CAVING [01]
DA June 6, 1979
RT Strata Control
RT Strata Movement
RT Underground Mining

CAVING MINING
DA January 30, 1979
BT1 Underground Mining
BT2 Mining

CAVITATION [01]
DA December 1, 1974
RT Fluid Flow

CAVITIES [01]
DA December 1, 1974
NT1 Boreholes
NT1 Caves
NT1 Craters
NT1 Rock Caverns
NT1 Salt Caverns
RT Chimneys
RT Crystal Defects
RT Excavation
RT Fusileer Operation
RT Mine Shafts
RT Nuclear Explosions
RT Openings
RT Underground Explosions
RT Underground Space
RT Underground Storage
RT Voids

Cavity Ionization Chambers
DA December 1, 1974
USE Bragg Gray Chambers

CAVITY RECEIVERS
DA September 26, 1979
BT1 Solar Receivers

CAVITY RESONATORS [01]
DA December 1, 1974
UF *Resonance Cavities*
BT1 Resonators
BT2 Electronic Equipment
BT3 Equipment
NT1 Superconducting Cavity Resonators
RT Cyclic Accelerators
RT Microwave Equipment
RT RF Systems
RT Tuning

CBA (Brookhaven Colliding Beam Accelerator)
DA April 28, 1983
USE Isabelle Storage Rings

CBA Process
DA August 9, 1977
USE Amoco Sulfur Recovery Process

CCBA
DA December 1, 1974
USE Coupled Channel Born Approximation

CCD
DA April 27, 1978
USE Charge-Coupled Devices

CCMS
(Committee on the Challenges of Modern Society.)
DA February 14, 1978
BT1 International Organizations
RT NATO

CD-4MCu
DA September 6, 1979
USE Steel-CD-4MCu

CDC COMPUTERS [01]
DA December 1, 1974
BT1 Computers
RT Supercomputers

CDD POLES [01]
DA December 1, 1974
UF *Castillejo-Dalitz-Dyson Poles*
RT Dispersion Relations
RT Partial Waves

CDF
(Prior to January 1992, this was a valid descriptor.)
DA December 13, 1985
USE Fermilab Collider Detector

CDFR REACTOR [01]
DA October 23, 1979
UF *Commercial Demonstration Fast Reactor*
BT1 FBR Type Reactors
BT2 Breeder Reactors
BT3 Reactors
BT2 Fast Reactors
BT3 Epithermal Reactors
BT4 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Sodium Cooled Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors

CDTA [01]
DA December 1, 1974
UF *Cyclohexylenedinitrilotetraacetic Acid*
BT1 Amino Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT1 Chelating Agents

CDTE SEMICONDUCTOR DETECTORS [01]
DA December 1, 1974

UF *Cadmium Telluride Detectors*
BT1 Semiconductor Detectors
BT2 Radiation Detectors
BT3 Measuring Instruments

CE ENTRAINED FUEL PROCESS
DA May 7, 1977
UF *Combustion Engineering Gasification Process*
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes
RT Entrainment
DEF A low pressure, air-blown entrained gasifier with two points of coal feed that can be modified to operate under pressure and with oxygen blowing.

CE LUMMUS CFFC PROCESS
DA October 24, 1981
UF *LCFFC Process*
UF *Lummus Clean Fuel Firm Coal Process*
BT1 Coal Liquefaction
BT2 Liquefaction
BT3 Thermochemical Processes
DEF A plug flow, expanded-bed, catalytic, hydroliquefaction process.

CE STANDARD REACTOR [01]
(Prior to 1975, PWR/80 Type Reactors was used.)
DA January 23, 1975
UF *Combustion Engineering Standard Reactor*
UF *PWR/80 Type Reactors*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
RT Palo Verde-1 Reactor
RT Palo Verde-2 Reactor
RT Palo Verde-3 Reactor
RT Palo Verde-4 Reactor
RT Palo Verde-5 Reactor

CEA [01]
DA December 1, 1974
BT1 French Organizations
BT2 National Organizations
NT1 CEA Bruyeres-Le-Chatel
NT1 CEA Cadarache
NT1 CEA Fontenay-Aux-Roses
NT1 CEA Grenoble
NT1 CEA la Hague
NT1 CEA Marcoule
NT1 CEA Pierrelatte
NT1 CEA Saclay
RT France

CEA (Antigen)
DA October 7, 1980
USE Carcinoembryonic Antigen

CEA-ADL DUAL ALKALI PROCESS
DA June 14, 1978
UF *Limestone Dual Alkali Desulfurization Process*
BT1 Desulfurization
BT2 Chemical Reactions
RT Waste Processing
DEF Flue gas is passed through an absorption section where sulfur dioxide, chlorides, and sulfur trioxide are removed via contact with a solution of sodium salts. The sodium/sulfur salts are reacted with hydrated lime in a special 2-stage reactor to regenerate the sodium. Calcium/sulfur solids produced are separated from the liquor containing regenerated sodium compounds and disposed of. The regenerated liquor is recirculated to the absorption section.

CEA BRUYERES-LE-CHATEL [01]
DA January 3, 1990
BT1 CEA
BT2 French Organizations
BT3 National Organizations

CEA CADARACHE [01]
DA December 1, 1974
UF *Cadarache (CEA)*
BT1 CEA
BT2 French Organizations
BT3 National Organizations

CEA FONTENAY-AUX-ROSES [01]
DA December 1, 1974
UF *Fontenay-Aux-Roses (CEA)*
BT1 CEA
BT2 French Organizations
BT3 National Organizations

CEA GRENOBLE [01]
DA December 1, 1974
BT1 CEA
BT2 French Organizations
BT3 National Organizations

CEA LA HAGUE [01]
DA June 30, 1975
BT1 CEA
BT2 French Organizations
BT3 National Organizations
BT1 Fuel Reprocessing Plants
BT2 Nuclear Facilities

CEA MARCOULE [01]
DA December 1, 1974
UF *Marcoule (CEA)*
BT1 CEA
BT2 French Organizations
BT3 National Organizations

CEA PIERRELATTE [01]
DA December 1, 1974
UF *Pierrelatte (CEA)*
BT1 CEA
BT2 French Organizations
BT3 National Organizations

CEA SACLAY [01]
DA December 1, 1974
UF *Saclay (CEA)*
BT1 CEA
BT2 French Organizations
BT3 National Organizations

CEBAF ACCELERATOR [01]
(Continuous Electron Beam Accelerator Facility.)
DA June 9, 1987
BT1 Linear Accelerators
BT2 Accelerators

CEDAR COMPUTERS [01]
DA April 8, 1987
BT1 Supercomputers
BT2 Digital Computers
BT3 Computers
RT Array Processors
RT Parallel Processing
RT Vector Processing

CEDARS [01]
DA December 11, 1985
UF *Juniperus*
BT1 Conifers
BT2 Pinophyta
BT3 Plants
BT1 Trees
BT2 Plants

CEF-OR Reactor
DA December 1, 1974
USE OR-CEF Reactor

CEILING FANS
DA March 10, 1982
RT Air Conditioning
RT Blowers
RT Cooling Systems
RT Ventilation

CEILINGS
DA September 11, 1975
RT Buildings

CELESTIN REACTOR [01]
DA December 1, 1974
BT1 Heavy Water Cooled Reactors
BT2 Reactors
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Tritium Production Reactors
BT2 Irradiation Reactors
BT3 Reactors

CELL CONSTITUENTS [01]
DA December 1, 1974
UF *Organelles*
UF *Subcellular Organelles*
NT1 Cell Membranes
NT2 Myelin
NT1 Cell Nuclei
NT2 Nucleoli
NT1 Cell Wall
NT1 Chloroplasts
NT1 Cytoplasm
NT1 Endoplasmic Reticulum
NT2 Sarcoplasmic Reticulum
NT1 Golgi Complexes
NT1 Microtubules
NT1 Mitochondria
NT1 Phycobilisomes
NT1 Plasmids
NT1 Ribosomes
NT2 Microsomes
RT Animal Cells
RT Cytological Techniques
RT Cytology
RT Liposomes
RT Phagocytosis
RT Plant Cells
RT Post-Translation Modification
RT Subcellular Distribution
RT Tissue Extracts
RT Ultracentrifugation
RT Ultrastructural Changes

CELL CULTURES [01]
DA December 1, 1974
UF *Cultures (Cells)*
NT1 Clone Cells
NT1 Synchronous Cultures
RT Animal Cells
RT Biotechnology
RT CHO cells
RT Cloning
RT Colony Formation
RT Culture Media
RT Hybridomas
RT In Vitro
RT Methanotrophic Bacteria
RT Microorganisms
RT Mutagen Screening
RT Plant Cells
RT Tissue Cultures
RT Tumor Cells

CELL CYCLE [01]
DA December 1, 1974
RT Cell Division
RT Concanavalin A
RT DNA Replication
RT Replicons

RT Synchronization
RT Synchronous Cultures

CELL DIFFERENTIATION [01]
DA December 1, 1974
RT Blood Formation
RT Genetic Engineering
RT Growth Factors
RT Ontogenesis

CELL DIVISION [01]
DA December 1, 1974
NT1 Meiosis
NT1 Mitosis
RT Cell Cycle
RT Cell Proliferation
RT Gametogenesis
RT Healing
RT In Vivo
RT Mitogens
RT Non-Disjunction

CELL FLOW SYSTEMS [01]
DA August 4, 1976
UF *Flow Cytometers*
RT Animal Cells
RT Chromosome Sorting
RT Cytological Techniques
RT Cytology
RT Plant Cells

Cell Growth (Animal)
DA December 1, 1974
USE Animal Cells
AND Growth

Cell Growth (Plant)
DA December 1, 1974
USE Growth
AND Plant Cells

CELL KILLING [01]
DA December 1, 1974
RT Death

CELL MEMBRANES [01]
DA December 1, 1974
BT1 Cell Constituents
BT1 Membranes
NT1 Myelin
RT Cell Wall
RT Golgi Complexes
RT Membrane Pores
RT Radioreceptor Assay
RT Subcellular Distribution

CELL NUCLEI [01]
DA December 1, 1974
UF *Nuclei (Cells)*
BT1 Cell Constituents
NT1 Nucleoli
RT Chromatin
RT Chromosomes
RT Nucleic Acids
RT Subcellular Distribution

CELL PROLIFERATION [01]
DA December 1, 1974
RT Cell Division
RT Cloning
RT Concanavalin A
RT Growth Factors
RT In Vivo
RT Phytohemagglutinin
RT Replicons

CELL RECYCLE
DA October 23, 1978
RT Anaerobic Digestion
RT Fermentation
DEF Technique of recycling yeasts or other microorganisms back into biochemical reaction vessel.

CELL TRANSFORMATIONS [01]
DA November 19, 1985
NT1 Oncogenic Transformations
RT Viral Diseases

CELL WALL [01]
DA December 1, 1974
BT1 Cell Constituents
RT Cell Membranes
RT Plant Cells

Cellars
DA August 6, 1984
USE Basements

CELLOBIOSE [01]
DA December 1, 1974
BT1 Disaccharides
BT2 Oligosaccharides
BT3 Saccharides
BT4 Carbohydrates
BT5 Organic Compounds

CELLOPHANE [01]
DA December 1, 1974
BT1 Polysaccharides
BT2 Saccharides
BT3 Carbohydrates
BT4 Organic Compounds
RT Cellulose

CELLOSOLVES [01]
DA December 1, 1974
UF *Glycol Monoalkyl Ethers*
BT1 Ethers
BT2 Organic Oxygen Compounds
BT3 Organic Compounds
BT1 Glycols
BT2 Alcohols
BT3 Hydroxy Compounds
BT4 Organic Compounds
BT1 Organic Solvents
BT2 Solvents

Cells (Animal)
DA December 1, 1974
USE Animal Cells

Cells (Bacterial)
DA December 1, 1974
USE Bacteria

Cells (Electrolytic)
DA December 1, 1974
USE Electrolytic Cells

Cells (Immobilized)
DA September 22, 1980
SEE Immobilized Cells

Cells (Plant)
DA December 1, 1974
USE Plant Cells

Cells (Reactor)
DA December 1, 1974
USE Reactor Cells

CELLULASE [01]
(Code number 3.2.1.4.)
DA January 12, 1981
UF *Cellulases*
BT1 O-Glycosyl Hydrolases
BT2 Glycosyl Hydrolases
BT3 Hydrolases
BT4 Enzymes
BT5 Proteins
BT6 Organic Compounds
RT Enzymatic Hydrolysis
RT Thielavia

Cellulases
(Code number 3.2.1.4.)
DA March 3, 1978
USE Cellulase

CELLULOID [01]
DA December 1, 1974
RT Camphor
RT Cellulose Esters
RT Nitrocellulose

CELLULOLYTIC ACTIVITY
DA May 25, 1979
BT1 Enzyme Activity
RT Biodegradation
RT Enzymatic Hydrolysis
DEF Measure of efficiency for cellulose biodegradation.

CELLULOSE [01]
DA December 1, 1974
UF+ *Ethocel*
BT1 Polysaccharides
BT2 Saccharides
BT3 Carbohydrates
BT4 Organic Compounds
RT Bagasse
RT Biomass
RT Cellophane
RT Cellulose Esters
RT Delignification
RT Hemicellulose
RT Polyacetals
RT Rayon

CELLULOSE ESTERS [01]
DA December 1, 1974
BT1 Esters
BT2 Organic Compounds
NT1 Nitrocellulose
RT Celluloid
RT Cellulose

CELSIUS STORAGE RING [01]
DA August 16, 1989
BT1 Storage Rings
RT Uppsala Synchrocyclotron

Celtic Sea
DA May 7, 1977
USE Irish Sea

CEMENT INDUSTRY
DA July 23, 1977
BT1 Industry
RT Cements
RT Portland Cement

CEMENTING
DA August 21, 1981
RT Bonding
RT Cements
RT Compacting
RT Grouting
RT Plugging
RT Seals
RT Well Casings
RT Well Completion

CEMENTITE [01]
DA December 1, 1974
BT1 Intermetallic Compounds
BT2 Alloys
BT1 Iron Carbides
BT2 Carbides
BT3 Carbon Compounds
BT2 Iron Compounds
BT3 Transition Element Compounds
RT Martensite
RT Pearlite
RT Steels
DEF An intermetallic compound Fe_3C.

CEMENTS [01]
DA December 1, 1974
BT1 Building Materials
BT2 Materials
NT1 Gypsum Cements
NT1 Portland Cement
RT Cement Industry
RT Cementing
RT Concrete-Plastic Composites
RT Concretes
RT Grouting
RT Mortars
RT Plugging Agents

CENNA [01]
(Convention on Early Notification of a Nuclear Accident.)
DA March 20, 1989
UF *Convention on Early Notification of Nuclear Accident*
UF *Early Notification Convention*
BT1 International Agreements
BT2 Agreements
RT IAEA
RT Reactor Accidents

CENOZOIC ERA [01]
DA October 19, 1977
BT1 Geologic Ages
NT1 Quaternary Period
NT2 Pleistocene Epoch
NT1 Tertiary Period
NT2 Eocene Epoch
NT2 Miocene Epoch
NT2 Pliocene Epoch

CENTAURO-TYPE EVENTS [01]
DA August 7, 1979
RT Cosmic Radiation
RT Cosmic Showers
RT Extensive Air Showers
RT Fireball Model
RT Hadrons
RT Multiple Production
RT Nuclear Matter
RT Particle Interactions
RT Quarks
DEF Cosmic-ray events of high hadron multiplicity without associated neutral pions.

CENTER-OF-MASS SYSTEM [01]
DA December 1, 1974
UF *Centre-of-Mass System*
RT Coordinates
RT Laboratory System
RT Longitudinal Momentum
RT Lorentz Transformations
RT Mechanics
RT Scattering
RT Transverse Momentum

CENTRAL AFRICAN REPUBLIC [01]
DA December 1, 1974
BT1 Africa
BT1 Developing Countries

CENTRAL AMERICA [01]
DA December 1, 1974
BT1 Latin America
NT1 Belize
NT1 Costa Rica
NT1 El Salvador
NT1 Guatemala
NT1 Honduras
NT1 Nicaragua
NT1 Panama
NT1 Panama Canal Zone
RT OAS

CENTRAL HEATING PLANTS
DA February 7, 1975
RT District Cooling
RT District Heating
RT MIUS
RT Solar District Heating
RT Space Heating

Central Intelligence Agency
DA August 25, 1980
USE US CIA

CENTRAL NERVOUS SYSTEM [01]
DA December 1, 1974
BT1 Nervous System
NT1 Brain
NT2 Cerebellum
NT2 Cerebrum
NT3 Cerebral Cortex
NT2 Hippocampus
NT2 Hypothalamus
NT2 Olfactory Bulbs
NT2 Thalamus
NT1 Spinal Cord
RT Behavior
RT Central Nervous System Agents
RT Central Nervous System Depressants
RT Cerebrospinal Fluid
RT Meninges
RT Rabies
RT Radiation Syndrome
RT Receptors

CENTRAL NERVOUS SYSTEM AGENTS [01]
DA April 20, 1981
BT1 Drugs
NT1 Analeptics
NT2 Amphetamines
NT2 Caffeine
NT1 Psychotropic Drugs
NT2 Antidepressants
NT3 Cocaine
NT3 Imipramine
NT3 Iproniazid
NT2 Hallucinogens
NT3 Bufotenine
NT2 Tranquilizers
NT3 Chlorpromazine
RT Behavior
RT Central Nervous System
RT Central Nervous System Depressants
RT Mental Disorders

CENTRAL NERVOUS SYSTEM DEPRESSANTS [01]
DA April 20, 1981
BT1 Drugs
NT1 Analgesics
NT2 Acetophenetidin
NT2 Acetylsalicylic Acid
NT2 Opium
NT3 Morphine
NT4 Codeine
NT4 Heroin
NT4 Thebaine
NT2 Pethidine
NT1 Anesthetics
NT2 Barbiturates
NT3 Amytal
NT3 Nembutal
NT3 Phenobarbital
NT3 Thiopental
NT2 Cocaine
NT2 Procaine
NT1 Anticonvulsants
NT2 Phenobarbital
NT1 Antipyretics
NT2 Acetophenetidin
NT2 Acetylsalicylic Acid
NT2 Antipyrine
NT2 Colchicine
NT1 Hypnotics and Sedatives
NT2 Barbiturates
NT3 Amytal
NT3 Nembutal
NT3 Phenobarbital
NT3 Thiopental
NT2 Chlorpromazine
NT1 Narcotics
NT2 Methadone Hydrochloride
NT2 Opium
NT3 Morphine
NT4 Codeine
NT4 Heroin
NT4 Thebaine
NT2 Pethidine
RT Anesthesia
RT Behavior
RT Central Nervous System
RT Central Nervous System Agents
RT Endorphins
RT Sleep

Central Nervous System Stimulants
DA April 20, 1981
USE Analeptics

Central Nuclear De Zorita-1
DA December 1, 1974
USE Zorita-1 Reactor

Central Nuclear En Atucha Reactor
DA December 1, 1974
USE Atucha Reactor

CENTRAL POTENTIAL [01]
DA December 1, 1974
BT1 Potentials
RT Coulomb Field
RT Potential Energy

Central Receiver Power Plants
DA August 20, 1984
USE Tower Focus Power Plants

CENTRAL RECEIVER TEST FACILITY
(DOE's test facility at Sandia Laboratories.)
DA November 25, 1980
UF *Solar Thermal Test Facility*
BT1 Test Facilities
RT Central Receivers
RT Heliostats
RT Tower Focus Collectors
RT Tower Focus Power Plants

CENTRAL RECEIVERS [01]
DA May 17, 1976
UF *Solar Central Receivers*
BT1 Solar Receivers
RT Advanced Components Test Facility
RT Boilers
RT Central Receiver Test Facility
RT Solar Collectors
RT Tower Focus Power Plants

Central Region
(Prior to June 1982, this was a valid descriptor.)
DA July 6, 1978
USE USA

CENTRALLY PLANNED ECONOMIES [01]
(Includes the economies of the following countries: Albania, Bulgaria, People's Republic of China, Czechoslovakia, German Democratic Republic, Hungary, Democratic People's Republic of Korea, Mongolia, Poland, Romania, USSR, and Democratic Republic of Vietnam.)
DA December 10, 1979
RT Albania
RT Bulgaria
RT China
RT Czechoslovakia
RT Economic Development
RT Economic Policy
RT Hungary
RT Mongolian Peoples Republic
RT National Government
RT Nationalization
RT North Korea
RT Poland
RT Romania
RT USSR
RT Viet Nam

Centre-of-Mass System
DA December 1, 1974
USE Center-of-Mass System

Centrifugal Contactors
DA October 24, 1981
USE Extraction Apparatuses

CENTRIFUGAL FAST ANALYZERS
DA June 12, 1975
RT Chemical Analysis

CENTRIFUGAL PUMPS
DA September 26, 1979
BT1 Pumps

Centrifugal Separators
DA March 22, 1976
USE Inertial Separators

CENTRIFUGATION [01]
DA December 1, 1974
BT1 Separation Processes
NT1 Gas Centrifugation
NT1 Ultracentrifugation
RT Isotope Separation
RT Podbielniak Contactors
RT Sedimentation
RT Ultracentrifuges

CENTRIFUGE ENRICHMENT PLANTS [01]
DA May 17, 1976
UF *Enrichment Plants (Centrifuge)*
UF *Ultracentrifuge Enrichment Plants*
BT1 Isotope Separation Plants
BT2 Industrial Plants
BT2 Nuclear Facilities

NT1 Portsmouth Centrifuge Enrichment Plant
RT Gas Centrifugation

CENTRIFUGES [01]
DA December 1, 1974
BT1 Concentrators
NT1 Gas Centrifuges
NT1 Plasma Centrifuges
NT1 Ultracentrifuges

Centro Studi Nucleari Enrico Fermi Reactor
DA December 1, 1974
USE Cesnef Reactor

CEPFR-1 Reactor
DA January 21, 1975
USE Zero Power Reactors

CEPHALINS [01]
DA December 1, 1974
BT1 Amines
BT2 Organic Compounds
BT1 Phospholipids
BT2 Esters
BT3 Organic Compounds
BT2 Lipids
BT3 Organic Compounds
BT2 Organic Phosphorus Compounds
BT3 Organic Compounds
RT Glycerol

CEPHEIDS [01]
DA December 1, 1974
BT1 Pulsating Variable Stars
BT2 Variable Stars
BT3 Stars

CERAMIC MELTERS [01]
DA January 24, 1980
UF *Glass Melters*
BT1 Electric Furnaces
BT2 Furnaces
RT High-Level Radioactive Wastes
RT Liquid Wastes
RT Radioactive Waste Processing
RT Solidification
RT Vitrification
DEF An electric melter which can solidify liquid high-level waste, as well as melt calcined waste with glass additives and then solidify the mixture.

CERAMICS [01]
DA December 1, 1974
RT Ceramics Industry
RT Ceramography
RT Cermets
RT Clays
RT Dielectric Track Detectors
RT Enamels
RT Glass
RT Glazes
RT Mixed Nitride Fuels
RT Mixed Oxide Fuels
RT Porcelain
RT PZT
RT Refractories
RT Slip Casting

CERAMICS INDUSTRY [01]
DA November 28, 1977
BT1 Industry
RT Ceramics
RT Metal Industry
RT Mineral Industry

CERAMOGRAPHY [01]
DA October 19, 1978
RT Autoradiography
RT Ceramics
RT Cracks
RT Electron Microprobe Analysis
RT Etching
RT Fractography
RT Materials Testing
RT Microhardness
RT Microscopy
RT Microstructure
RT Particle Size
RT Photomicrography
RT Porosity
RT Post-Irradiation Examination
RT Replica Techniques
RT Sample Preparation
RT Surface Properties
DEF Methods for the characterization of microstructural features and sterometric and topologic parameters of ceramic materials including sample preparation techniques.

CERATITIS CAPITATA [01]
DA December 1, 1974
BT1 Fruit Flies
BT2 Flies
BT3 Diptera
BT4 Insects
BT5 Arthropods
BT6 Invertebrates
BT7 Animals

Cercaria
DA December 1, 1974
USE Platyhelminths

CERCLA
(Comprehensive Environmental Response, Compensation, and Liability Act.)
DA February 21, 1992
USE US Superfund

CEREALS [01]
DA December 1, 1974
UF+ *Grains (Cereal)*
BT1 Gramineae
BT2 Liliopsida
BT3 Magnoliophyta
BT4 Plants
NT1 Barley
NT1 Maize
NT1 Millet
NT1 Oats
NT1 Rice
NT1 Rye
NT1 Sorghum
NT1 Wheat
RT Buckwheat
RT Crops
RT Flour
RT Food
RT Grain Disinfestation
RT Ustilago
RT Vernalization

CEREBELLUM [01]
DA December 1, 1974
BT1 Brain
BT2 Central Nervous System
BT3 Nervous System
BT2 Organs
BT3 Body

CEREBRAL ARTERIES
DA February 21, 1986
BT1 Arteries
BT2 Blood Vessels
BT3 Cardiovascular System
BT3 Organs
BT4 Body
RT Brain

CEREBRAL CORTEX [01]
DA December 1, 1974
UF *Cortex (Cerebral)*
BT1 Cerebrum
BT2 Brain
BT3 Central Nervous System
BT4 Nervous System
BT3 Organs
BT4 Body
RT Behavior
RT Conditioned Reflexes

CEREBROSIDES [01]
DA December 1, 1974
BT1 Glycolipids
BT2 Lipids
BT3 Organic Compounds
BT2 Saccharides
BT3 Carbohydrates
BT4 Organic Compounds
RT Amides
RT Galactose

CEREBROSPINAL FLUID [01]
DA December 1, 1974
BT1 Body Fluids
BT2 Biological Materials
BT3 Materials
RT Central Nervous System

CEREBRUM [01]
DA December 1, 1974
BT1 Brain
BT2 Central Nervous System
BT3 Nervous System
BT2 Organs
BT3 Body
NT1 Cerebral Cortex

CERIANITE [01]
DA December 1, 1974
BT1 Oxide Minerals
BT2 Minerals
BT1 Thorium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
RT Cerium Oxides
RT Thorium Oxides

CERITE [01]
DA December 1, 1974
BT1 Silicate Minerals
BT2 Minerals
RT Cerium Silicates

CERIUM [01]
DA December 1, 1974
BT1 Rare Earths
BT2 Metals
BT3 Elements
NT1 Cerium-Alpha
NT1 Cerium-Beta
NT1 Cerium-Gamma

CERIUM 123 [01]
DA September 20, 1984
BT1 Cerium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CERIUM 124 [01]
DA March 28, 1979
BT1 Cerium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CERIUM 125 [01]
DA March 28, 1979
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cerium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei

BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CERIUM 126 [01]
DA December 1, 1974
BT1 Cerium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CERIUM 127 [01]
DA April 28, 1978
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cerium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CERIUM 128 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cerium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

CERIUM 129 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cerium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

CERIUM 130 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cerium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

CERIUM 131 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cerium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

CERIUM 132 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cerium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

CERIUM 133 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cerium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

CERIUM 134 [01]
DA December 1, 1974
BT1 Cerium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

CERIUM 135 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cerium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CERIUM 136 [01]
DA December 1, 1974
BT1 Cerium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

CERIUM 136 TARGET [01]
DA July 9, 1976
BT1 Targets

CERIUM 137 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cerium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei

BT2 Intermediate Mass Nuclei
BT3 Nuclei

CERIUM 138 [01]
DA December 1, 1974
BT1 Cerium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

CERIUM 138 TARGET [01]
DA July 9, 1976
BT1 Targets

CERIUM 139 [01]
DA December 1, 1974
BT1 Cerium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CERIUM 140 [01]
DA December 1, 1974
BT1 Cerium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

CERIUM 140 TARGET [01]
DA July 9, 1976
BT1 Targets

CERIUM 141 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cerium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

CERIUM 141 TARGET [01]
DA July 9, 1976
BT1 Targets

CERIUM 142 [01]
DA December 1, 1974
BT1 Cerium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

CERIUM 142 TARGET [01]
DA July 9, 1976
BT1 Targets

CERIUM 143 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cerium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

CERIUM 144 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cerium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

CERIUM 144 TARGET [01]
DA August 21, 1981
BT1 Targets

CERIUM 145 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cerium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

CERIUM 146 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cerium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

CERIUM 147 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cerium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CERIUM 148 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cerium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CERIUM 149 [01]
DA September 11, 1975
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cerium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CERIUM 150 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cerium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CERIUM 151 [01]
DA November 17, 1976
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cerium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

→**CERIUM 152 [01]**
DA August 2, 1990
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cerium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CERIUM ADDITIONS [01]
DA December 1, 1974
BT1 Cerium Alloys
BT2 Rare Earth Alloys
BT3 Alloys
BT1 Rare Earth Additions
BT2 Rare Earth Alloys
BT3 Alloys
NT1 Alloy-Ni60Cr25W15
NT1 Alloy-Ni60Mo13Co9Cr8Nb4Al3
NT1 Alloy-Ni67Cr19Mo5W5Ti3

CERIUM ALLOYS [01]
DA December 1, 1974
BT1 Rare Earth Alloys
BT2 Alloys
NT1 Cerium Additions
NT2 Alloy-Ni60Cr25W15
NT2 Alloy-Ni60Mo13Co9Cr8Nb4Al3
NT2 Alloy-Ni67Cr19Mo5W5Ti3
NT1 Cerium Base Alloys
NT2 Misch Metal

CERIUM-ALPHA [01]
DA December 1, 1974
BT1 Cerium
BT2 Rare Earths
BT3 Metals
BT4 Elements

CERIUM ARSENIDES [01]
DA October 19, 1978
BT1 Arsenides
BT2 Arsenic Compounds
BT2 Pnictides
BT1 Cerium Compounds
BT2 Rare Earth Compounds

CERIUM BASE ALLOYS [01]
DA December 1, 1974
BT1 Cerium Alloys
BT2 Rare Earth Alloys
BT3 Alloys
NT1 Misch Metal

CERIUM-BETA [01]
DA June 2, 1977
BT1 Cerium
BT2 Rare Earths
BT3 Metals
BT4 Elements

CERIUM BORIDES [01]
DA December 1, 1974
BT1 Borides
BT2 Boron Compounds
BT1 Cerium Compounds
BT2 Rare Earth Compounds

CERIUM BROMIDES [01]
DA December 1, 1974
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Cerium Compounds
BT2 Rare Earth Compounds

CERIUM CARBIDES [01]
DA December 1, 1974
BT1 Carbides
BT2 Carbon Compounds
BT1 Cerium Compounds
BT2 Rare Earth Compounds

CERIUM CARBONATES [01]
DA December 1, 1974
BT1 Carbonates
BT2 Carbon Compounds
BT2 Oxygen Compounds
BT1 Cerium Compounds
BT2 Rare Earth Compounds
RT Carbonate Minerals
RT Cordylite

CERIUM CHLORIDES [01]
DA December 1, 1974
BT1 Cerium Compounds
BT2 Rare Earth Compounds
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds

CERIUM COMPLEXES [01]
DA December 1, 1974
BT1 Rare Earth Complexes
BT2 Complexes

CERIUM COMPOUNDS [01]
DA December 1, 1974
BT1 Rare Earth Compounds
NT1 Cerium Arsenides
NT1 Cerium Borides
NT1 Cerium Bromides
NT1 Cerium Carbides
NT1 Cerium Carbonates
NT1 Cerium Chlorides
NT1 Cerium Fluorides
NT1 Cerium Hydrides
NT1 Cerium Hydroxides
NT1 Cerium Iodides
NT1 Cerium Nitrates
NT1 Cerium Nitrides
NT1 Cerium Oxides
NT1 Cerium Perchlorates
NT1 Cerium Phosphates
NT1 Cerium Phosphides
NT1 Cerium Selenides
NT1 Cerium Silicates
NT2 Kainosite
NT1 Cerium Silicides
NT1 Cerium Sulfates
NT1 Cerium Sulfides
NT1 Cerium Tellurides
NT1 Cerium Tungstates

CERIUM FLUORIDES [01]
DA December 1, 1974
BT1 Cerium Compounds
BT2 Rare Earth Compounds
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds

CERIUM-GAMMA [01]
DA June 30, 1975
BT1 Cerium
BT2 Rare Earths
BT3 Metals
BT4 Elements

CERIUM HYDRIDES [01]
DA December 1, 1974
BT1 Cerium Compounds
BT2 Rare Earth Compounds
BT1 Hydrides
BT2 Hydrogen Compounds

CERIUM HYDROXIDES [01]
DA December 1, 1974
BT1 Cerium Compounds
BT2 Rare Earth Compounds
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds

CERIUM IODIDES [01]
DA December 1, 1974
BT1 Cerium Compounds
BT2 Rare Earth Compounds
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds

CERIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

CERIUM ISOTOPES [01]
DA December 1, 1974
BT1 Rare Earth Isotopes
BT2 Isotopes
NT1 Cerium 123
NT1 Cerium 124
NT1 Cerium 125
NT1 Cerium 126
NT1 Cerium 127
NT1 Cerium 128
NT1 Cerium 129
NT1 Cerium 130
NT1 Cerium 131
NT1 Cerium 132
NT1 Cerium 133
NT1 Cerium 134
NT1 Cerium 135
NT1 Cerium 136
NT1 Cerium 137
NT1 Cerium 138
NT1 Cerium 139
NT1 Cerium 140
NT1 Cerium 141
NT1 Cerium 142
NT1 Cerium 143
NT1 Cerium 144
NT1 Cerium 145
NT1 Cerium 146
NT1 Cerium 147
NT1 Cerium 148
NT1 Cerium 149
NT1 Cerium 150
NT1 Cerium 151
NT1 Cerium 152

CERIUM NITRATES [01]
DA December 1, 1974
BT1 Cerium Compounds
BT2 Rare Earth Compounds
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds

CERIUM NITRIDES [01]
DA December 1, 1974
BT1 Cerium Compounds
BT2 Rare Earth Compounds
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides

CERIUM OXIDES [01]
DA December 1, 1974
BT1 Cerium Compounds
BT2 Rare Earth Compounds
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds
RT Cerianite
RT Oxide Minerals

CERIUM PERCHLORATES [01]
DA June 30, 1975
BT1 Cerium Compounds
BT2 Rare Earth Compounds
BT1 Perchlorates
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Oxygen Compounds

CERIUM PHOSPHATES [01]
DA December 1, 1974
BT1 Cerium Compounds

BT2 Rare Earth Compounds
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds
RT Florencite
RT Phosphate Minerals

CERIUM PHOSPHIDES [01]
DA December 15, 1976
BT1 Cerium Compounds
BT2 Rare Earth Compounds
BT1 Phosphides
BT2 Phosphorus Compounds
BT2 Pnictides

CERIUM SELENIDES [01]
DA December 16, 1976
BT1 Cerium Compounds
BT2 Rare Earth Compounds
BT1 Selenides
BT2 Chalcogenides
BT2 Selenium Compounds

CERIUM SILICATES [01]
DA December 1, 1974
BT1 Cerium Compounds
BT2 Rare Earth Compounds
BT1 Silicates
BT2 Oxygen Compounds
BT2 Silicon Compounds
NT1 Kainosite
RT Cerite
RT Silicate Minerals
RT Yttrialite

CERIUM SILICIDES [01]
DA February 20, 1975
BT1 Cerium Compounds
BT2 Rare Earth Compounds
BT1 Silicides
BT2 Silicon Compounds

CERIUM SULFATES [01]
DA December 1, 1974
BT1 Cerium Compounds
BT2 Rare Earth Compounds
BT1 Sulfates
BT2 Oxygen Compounds
BT Sulfur Compounds

CERIUM SULFIDES [01]
DA December 1, 1974
BT1 Cerium Compounds
BT2 Rare Earth Compounds
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds

CERIUM TELLURIDES [01]
DA June 23, 1980
BT1 Cerium Compounds
BT2 Rare Earth Compounds
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds

CERIUM TUNGSTATES [01]
DA June 2, 1977
BT1 Cerium Compounds
BT2 Rare Earth Compounds
BT1 Tungstates

CERMETS [01]
DA December 1, 1974
BT1 Composite Materials
BT2 Materials
NT1 TD-Nickel
NT1 TD-Nickel Chromium
RT Ceramics
RT Refractories

CERN [01]
DA December 1, 1974
UF *European Organization for Nuclear Research*
BT1 International Organizations

CERN AG Synchrotron
DA January 26, 1976
USE CERN PS Synchrotron

CERN CESAR [01]
(CERN Electron Storage and Accumulation Ring.)
DA December 1, 1974
BT1 Storage Rings

CERN II Synchrotron
DA January 26, 1976
USE CERN SPS Synchrotron

CERN ISR [01]
(CERN Intersecting Storage Rings.)
DA December 1, 1974
BT1 Storage Rings

CERN LEAR [01]
(Prior to November 1990 this material was indexed to Lear.)
DA May 1, 1987
UF *LEAR*
RT CERN PS Synchrotron
DEF Facility for antiproton physics at low energies with intense and cold beams of antiprotons. Located in the South Experimental Hall of CERN PS.

CERN LINAC [01]
DA October 19, 1978
BT1 Linear Accelerators
BT2 Accelerators

CERN PS SYNCHROTRON [01]
DA January 26, 1976
UF *CERN AG Synchrotron*
BT1 Synchrotrons
BT2 Cyclic Accelerators
BT3 Accelerators
RT CERN LEAR

CERN SPS SYNCHROTRON [01]
DA January 26, 1976
UF *CERN II Synchrotron*
BT1 Synchrotrons
BT2 Cyclic Accelerators
BT3 Accelerators

CERN SYNCHROCYCLOTRON [01]
DA December 1, 1974
BT1 Synchrocyclotrons
BT2 Cyclic Accelerators
BT3 Accelerators

→**CERNAVODA-1 REACTOR [01]**
DA October 9, 1990
BT1 Candu Type Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT2 Pressure Tube Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors

CERRO PRIETO GEOTHERMAL FIELD [01]
DA January 23, 1975
BT1 Geothermal Fields
RT Geothermal Hot-Water Systems
RT Mexico

CERROBEND ALLOYS [01]
DA December 1, 1974
BT1 Bismuth Base Alloys
BT2 Bismuth Alloys
BT3 Alloys
BT1 Cadmium Alloys
BT2 Alloys
BT1 Lead Alloys
BT2 Alloys
BT1 Tin Alloys
BT2 Alloys

CERTIFICATION [01]
DA February 27, 1979
RT Licensing
RT Performance Testing
RT Quality Assurance
RT Standards
RT Testing

CERULOPLASMIN [01]
DA December 1, 1974
BT1 Copper Complexes
BT2 Transition Element Complexes
BT3 Complexes
BT1 Globulins-Alpha
BT2 Globulins
BT3 Proteins
BT4 Organic Compounds
BT1 Metalloproteins
BT2 Proteins
BT3 Organic Compounds

CESAR REACTOR [01]
(CEA/CEN, Cadarache, St. Paul Lez Durance, France)
DA December 1, 1974
BT1 Carbon Dioxide Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Experimental Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Graphite Moderated Reactors
BT2 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
RT Enriched Uranium Reactors

CESIUM [01]
DA December 1, 1974
BT1 Alkali Metals
BT2 Metals
BT3 Elements

CESIUM 113 [01]
DA August 12, 1980
BT1 Cesium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Nanosec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Proton Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CESIUM 114 [01]
DA February 23, 1979
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cesium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

CESIUM 115 [01]
DA February 23, 1979
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cesium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei

BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CESIUM 116 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cesium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CESIUM 117 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cesium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CESIUM 118 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cesium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CESIUM 119 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cesium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CESIUM 120 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cesium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

CESIUM 121 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cesium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

CESIUM 122 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cesium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CESIUM 123 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cesium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CESIUM 124 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cesium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CESIUM 125 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cesium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

CESIUM 126 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cesium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

CESIUM 127 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cesium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei

CESIUM 128 [01]
DA December 1, 1974

BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cesium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

CESIUM 129 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cesium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei

CESIUM 130 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cesium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

CESIUM 131 [01]
DA December 1, 1974
BT1 Cesium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei

CESIUM 131 TARGET [01]
DA February 16, 1988
BT1 Targets

CESIUM 132 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cesium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei

CESIUM 132 TARGET [01]
DA March 28, 1979
BT1 Targets

CESIUM 133 [01]
DA December 1, 1974
BT1 Cesium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

CESIUM 133 TARGET [01]
DA July 9, 1976
BT1 Targets

CESIUM 134 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cesium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CESIUM 134 TARGET [01]
DA February 16, 1988
BT1 Targets

CESIUM 135 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cesium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CESIUM 135 TARGET [01]
DA August 21, 1981
BT1 Targets

CESIUM 136 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cesium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CESIUM 137 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cesium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
RT Radioisotope Generators

CESIUM 137 TARGET [01]
DA August 21, 1981
BT1 Targets

CESIUM 138 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cesium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

CESIUM 139 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cesium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes

BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

CESIUM 140 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cesium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

CESIUM 141 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cesium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CESIUM 142 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cesium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CESIUM 143 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cesium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CESIUM 144 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cesium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CESIUM 145 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cesium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CESIUM 146 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cesium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

CESIUM 147 [01]
DA December 11, 1978
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cesium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

CESIUM 148 [01]
DA May 25, 1979
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cesium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

CESIUM ADDITIONS [01]
DA December 1, 1974
BT1 Cesium Alloys
BT2 Alloys

CESIUM ALLOYS [01]
DA December 1, 1974
BT1 Alloys
NT1 Cesium Additions
NT1 Cesium Base Alloys

CESIUM BASE ALLOYS [01]
DA December 1, 1974
BT1 Cesium Alloys
BT2 Alloys

CESIUM BROMIDES [01]
DA December 1, 1974
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Cesium Compounds
BT2 Alkali Metal Compounds

CESIUM CARBIDES [01]
DA December 1, 1974
BT1 Carbides
BT2 Carbon Compounds
BT1 Cesium Compounds
BT2 Alkali Metal Compounds

CESIUM CARBONATES [01]
DA December 1, 1974
BT1 Carbonates
BT2 Carbon Compounds
BT2 Oxygen Compounds
BT1 Cesium Compounds
BT2 Alkali Metal Compounds

CESIUM CHLORIDES [01]
DA December 1, 1974
BT1 Cesium Compounds
BT2 Alkali Metal Compounds
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds

CESIUM COMPLEXES [01]
DA December 1, 1974
BT1 Alkali Metal Complexes
BT2 Complexes

CESIUM COMPOUNDS [01]
DA December 1, 1974
BT1 Alkali Metal Compounds
NT1 Cesium Bromides
NT1 Cesium Carbides
NT1 Cesium Carbonates
NT1 Cesium Chlorides
NT1 Cesium Fluorides
NT1 Cesium Hydrides
NT1 Cesium Hydroxides
NT1 Cesium Iodides
NT1 Cesium Nitrates
NT1 Cesium Nitrides
NT1 Cesium Oxides
NT1 Cesium Perchlorates
NT1 Cesium Phosphates
NT1 Cesium Selenides
NT1 Cesium Silicates
NT1 Cesium Silicides
NT1 Cesium Sulfates
NT1 Cesium Sulfides
NT1 Cesium Tellurides
NT1 Cesium Tungstates
NT1 Cesium Uranates

CESIUM FLUORIDES [01]
DA December 1, 1974
BT1 Cesium Compounds
BT2 Alkali Metal Compounds
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds

CESIUM HYDRIDES [01]
DA December 1, 1974
BT1 Cesium Compounds
BT2 Alkali Metal Compounds
BT1 Hydrides
BT2 Hydrogen Compounds

CESIUM HYDROXIDES [01]
DA December 1, 1974
BT1 Cesium Compounds
BT2 Alkali Metal Compounds
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds

CESIUM IODIDES [01]
DA December 1, 1974
BT1 Cesium Compounds
BT2 Alkali Metal Compounds
BT1 Inorganic Phosphors
BT2 Phosphors
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds

CESIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

CESIUM ISOTOPES [01]
DA December 1, 1974
BT1 Alkali Metal Isotopes
BT2 Isotopes
NT1 Cesium 113
NT1 Cesium 114
NT1 Cesium 115
NT1 Cesium 116
NT1 Cesium 117
NT1 Cesium 118
NT1 Cesium 119
NT1 Cesium 120
NT1 Cesium 121
NT1 Cesium 122
NT1 Cesium 123
NT1 Cesium 124
NT1 Cesium 125
NT1 Cesium 126
NT1 Cesium 127
NT1 Cesium 128
NT1 Cesium 129
NT1 Cesium 130
NT1 Cesium 131
NT1 Cesium 132
NT1 Cesium 133
NT1 Cesium 134
NT1 Cesium 135
NT1 Cesium 136
NT1 Cesium 137
NT1 Cesium 138
NT1 Cesium 139
NT1 Cesium 140
NT1 Cesium 141
NT1 Cesium 142
NT1 Cesium 143
NT1 Cesium 144
NT1 Cesium 145
NT1 Cesium 146
NT1 Cesium 147
NT1 Cesium 148

CESIUM NITRATES [01]
DA December 1, 1974
BT1 Cesium Compounds
BT2 Alkali Metal Compounds
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds

CESIUM NITRIDES [01]
DA December 1, 1974
BT1 Cesium Compounds
BT2 Alkali Metal Compounds
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides

CESIUM OXIDES [01]
DA December 1, 1974
BT1 Cesium Compounds
BT2 Alkali Metal Compounds
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds

CESIUM PERCHLORATES [01]
DA January 21, 1975
BT1 Cesium Compounds
BT2 Alkali Metal Compounds
BT1 Perchlorates
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Oxygen Compounds

CESIUM PHOSPHATES [01]
DA December 1, 1974
BT1 Cesium Compounds
BT2 Alkali Metal Compounds
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds

CESIUM SELENIDES [01]
DA October 23, 1979
BT1 Cesium Compounds
BT2 Alkali Metal Compounds
BT1 Selenides
BT2 Chalcogenides
BT2 Selenium Compounds

CESIUM SILICATES [01]
DA December 1, 1974
BT1 Cesium Compounds
BT2 Alkali Metal Compounds
BT1 Silicates
BT2 Oxygen Compounds
BT2 Silicon Compounds
RT Pollucite

CESIUM SILICIDES [01]
DA May 15, 1975
BT1 Cesium Compounds
BT2 Alkali Metal Compounds
BT1 Silicides
BT2 Silicon Compounds

CESIUM SULFATES [01]
DA December 1, 1974
BT1 Cesium Compounds
BT2 Alkali Metal Compounds
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds

CESIUM SULFIDES [01]
DA December 1, 1974
BT1 Cesium Compounds
BT2 Alkali Metal Compounds
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds

CESIUM TELLURIDES [01]
DA May 3, 1979
BT1 Cesium Compounds
BT2 Alkali Metal Compounds
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds

CESIUM TUNGSTATES [01]
DA January 21, 1975
BT1 Cesium Compounds
BT2 Alkali Metal Compounds
BT1 Tungstates

CESIUM URANATES [01]
DA January 21, 1975
BT1 Cesium Compounds
BT2 Alkali Metal Compounds
BT1 Uranates
BT2 Uranium Compounds
BT3 Actinide Compounds

CESNEF REACTOR [01]
DA December 1, 1974
UF *Centro Studi Nucleari Enrico Fermi Reactor*
UF *Enrico Fermi Nuclear Research Center Reactor*
UF *L-54 Reactor*
BT1 Aqueous Homogeneous Reactors
BT2 Liquid Homogeneous Reactors
BT3 Fluid Fueled Reactors
BT4 Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors

CESR STORAGE RING [01]
DA February 23, 1979
UF *Cornell Electron-Positron Storage Ring*
BT1 Storage Rings

CESTODES [01]
DA December 1, 1974
UF *Tapeworms*
BT1 Platyhelminths
BT2 Helminths
BT3 Parasites
NT1 Hymenolepis
RT Hydatidosis

CETACEANS [01]
DA May 13, 1976
UF *Dolphins*
UF *Porpoises*
UF *Whales*
BT1 Aquatic Organisms
BT1 Mammals
BT2 Vertebrates
BT3 Animals
DEF The order of aquatic mammals that includes whales, dolphins, and porpoises.

Cetane Number
DA January 28, 1975
USE Antiknock Ratings

Cetene Number
DA January 28, 1975
USE Antiknock Ratings

Ceylon
DA December 1, 1974
USE Sri Lanka

CFC
DA April 1, 1992
USE Chlorofluorocarbons

CFFC PROCESS
DA August 24, 1976
UF *Clean Fuel from Coal Process*
BT1 Coal Liquefaction
BT2 Liquefaction
BT3 Thermochemical Processes
DEF Coal liquefaction process developed by C-E Lummus, a subsidiary of Combustion Engineering to produce low sulfur, low ash, synthetic boiler fuel.

CFFF
DA May 9, 1979
USE MHD Generator CFFF

CFG Reactor
DA December 1, 1974
USE ANEX Reactor

CFRMF REACTOR [01]
DA December 1, 1974
UF *Coupled Fast Reactor Measurement Facility*
BT1 Fast Reactors
BT2 Epithermal Reactors
BT3 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

CFRP Program
DA March 13, 1981
USE Consolidated Fuel Reprocessing Program

CFU [01]
(Limited to colony formation on spleen.)
DA December 1, 1974
UF *Colony Forming Units*
RT Colony Formation
RT Spleen Colony Formation
RT Stem Cells

CHACALTAYA [01]
DA December 1, 1974
BT1 Bolivia
BT2 Developing Countries
BT2 South America
BT3 Latin America

CHAD [01]
DA December 1, 1974
BT1 Africa
BT1 Developing Countries

CHAIN CONVEYORS
DA September 10, 1982
BT1 Conveyors
BT2 Haulage Equipment
BT3 Materials Handling Equipment
BT4 Equipment
RT Mine Haulage
RT Mining Equipment
RT Transport

CHAIN REACTIONS [01]
DA December 1, 1974
RT Criticality
RT Fission
RT Fissioning Plasma
RT Natural Nuclear Reactors
RT Nuclear Reactions
RT Thermonuclear Reactions

CHAINS
DA January 21, 1988
RT Cables
RT Ropes
RT Wires

CHALCOGENIDES [01]
DA December 1, 1974
NT1 Oxides
NT2 Actinium Oxides
NT2 Aluminium Oxides
NT2 Americium Oxides
NT2 Antimony Oxides
NT2 Argon Oxides
NT2 Arsenic Oxides
NT3 Hallimondite
NT3 Heinrichite
NT3 Kahlerite
NT3 Kirchheimerite
NT3 Novacekite
NT2 Barium Oxides
NT3 Billietite
NT3 Heinrichite
NT2 Berkelium Oxides
NT2 Beryllium Oxides
NT2 Bismuth Oxides
NT2 Boron Oxides
NT2 Bromine Oxides
NT2 Cadmium Oxides
NT2 Calcium Oxides
NT3 Ellsworthite
NT3 Melanovanadite
NT3 Pascoite
NT3 Rauvite
NT2 Californium Oxides
NT2 Carbon Oxides
NT3 Carbon Dioxide
NT3 Carbon Monoxide
NT2 Cerium Oxides
NT2 Cesium Oxides
NT2 Chlorine Oxides
NT2 Chromium Oxides
NT2 Cobalt Oxides
NT3 Kirchheimerite
NT2 Copper Oxides
NT3 Sengierite
NT2 Curium Oxides
NT2 Dysprosium Oxides
NT2 Einsteinium Oxides
NT2 Erbium Oxides
NT2 Europium Oxides
NT2 Fermium Oxides
NT2 Fluorine Oxides
NT2 Francium Oxides
NT2 Gadolinium Oxides
NT2 Gallium Oxides
NT2 Germanium Oxides
NT2 Gold Oxides
NT2 Hafnium Oxides
NT2 Helium Oxides
NT2 Holmium Oxides
NT2 Indium Oxides
NT2 Iodine Oxides
NT2 Iridium Oxides
NT2 Iron Oxides
NT3 Kahlerite
NT3 Tapiolite
NT2 Krypton Oxides
NT2 Lanthanum Oxides
NT2 Lawrencium Oxides
NT2 Lead Oxides
NT3 Hallimondite
NT3 Moctezumite
NT2 Lithium Oxides
NT2 Lutetium Oxides
NT2 Magnesium Oxides
NT3 Novacekite
NT2 Manganese Oxides
NT2 Mendelevium Oxides
NT2 Mercury Oxides
NT2 Molybdenum Oxides
NT3 Molybdenum Blue
NT2 Neodymium Oxides
NT2 Neon Oxides
NT2 Neptunium Oxides
NT2 Nickel Oxides
NT2 Niobium Oxides
NT3 Ellsworthite
NT3 Lyndochite
NT3 Marignacite
NT3 Tapiolite
NT2 Nitrogen Oxides
NT3 Nitric Oxide
NT3 Nitrogen Dioxide
NT3 Nitrous Oxide
NT2 Nobelium Oxides
NT2 Osmium Oxides
NT2 Palladium Oxides
NT2 Phosphorus Oxides
NT2 Platinum Oxides
NT2 Plutonium Oxides
NT3 Plutonium Dioxide
NT2 Polonium Oxides
NT2 Potassium Oxides
NT3 Compreignacite
NT2 Praseodymium Oxides
NT2 Promethium Oxides
NT2 Protactinium Oxides
NT2 Radium Oxides
NT2 Radon Oxides
NT2 Rhenium Oxides
NT2 Rhodium Oxides
NT2 Rubidium Oxides
NT2 Ruthenium Oxides
NT2 Samarium Oxides
NT2 Scandium Oxides
NT2 Selenium Oxides
NT3 Guilleminite
NT2 Silicon Oxides
NT3 Silica
NT4 Opals
NT2 Silver Oxides
NT2 Sodium Oxides
NT3 Sodium Tungsten Bronze
NT2 Strontium Oxides
NT2 Sulfur Oxides
NT3 Sulfur Dioxide
NT3 Sulfur Trioxide
NT2 Tantalum Oxides
NT3 Tapiolite
NT2 Technetium Oxides
NT2 Tellurium Oxides
NT3 Moctezumite
NT2 Terbium Oxides
NT2 Thallium Oxides
NT2 Thorium Oxides
NT3 Lodochnikite
NT3 Lyndochite
NT3 Naegite
NT3 Thorotrast
NT2 Thulium Oxides
NT2 Tin Oxides
NT2 Titanium Oxides
NT3 Lodochnikite
NT3 Marignacite
NT2 Tritium Oxides
NT2 Tungsten Oxides
NT3 Sodium Tungsten Bronze
NT2 Uranium Oxides
NT3 Billietite
NT3 Compreignacite
NT3 Ferghanite
NT3 Guilleminite
NT3 Hallimondite
NT3 Heinrichite
NT3 Ianthinite
NT3 Kahlerite
NT3 Kirchheimerite
NT3 Lodochnikite
NT3 Moctezumite
NT3 Naegite
NT3 Novacekite
NT3 Para-Schoepite
NT3 Rauvite
NT3 Sengierite
NT3 Uranium Dioxide
NT3 Uranium Oxides U3O8
NT3 Uranium Trioxide
NT2 Vanadium Oxides
NT3 Corvusite
NT3 Ferghanite
NT3 Melanovanadite
NT3 Pascoite
NT3 Rauvite
NT3 Sengierite
NT2 Xenon Oxides
NT2 Ytterbium Oxides
NT2 Yttrium Oxides
NT3 Alloy-IN-853
NT2 Zinc Oxides
NT2 Zirconium Oxides
NT3 Marignacite
NT3 Naegite
NT3 Nogizawalite
* NT1 Selenides
* NT1 Sulfides
* NT1 Tellurides
RT High-Tc Superconductors

CHALCOPYRITE [01]
DA December 1, 1974
BT1 Sulfide Minerals
BT2 Minerals
RT Copper Sulfides
RT Iron Sulfides
DEF A bright brass-yellow tetragonal mineral:$CuFeS_2$.

CHALICE DEVICES [01]
DA December 1, 1974
BT1 Linear Theta Pinch Devices
BT2 Linear Pinch Devices
BT3 Open Plasma Devices
BT4 Thermonuclear Devices
BT3 Pinch Devices
BT4 Thermonuclear Devices

CHALK RIVER [01]
DA December 1, 1974
BT1 Ontario
BT2 Canada
BT3 Developed Countries
BT3 North America

Chalk River Cyclotron
DA March 24, 1983
USE CRNL Superconducting Cyclotron

CHALK RIVER NUCLEAR LABS [01]
DA December 1, 1974
BT1 Atomic Energy of Canada LTD
BT2 Canadian Organizations
BT3 National Organizations
RT Canada

Chalk River Pool Test Reactor
DA December 1, 1974
USE PTR Reactor

Chalks
DA June 14, 1978
USE Limestone

CHAMBER FURNACES
DA November 17, 1976
UF *Chamber Kilns*
UF *Chamber Ovens*
BT1 Furnaces

Chamber Kilns
DA November 17, 1976
USE Chamber Furnaces

Chamber Ovens
DA November 17, 1976
USE Chamber Furnaces

CHANDIGARH CYCLOTRON [01]
DA March 24, 1983
BT1 Variable Energy Cyclotrons
BT2 Cyclotrons
BT3 Cyclic Accelerators
BT4 Accelerators

Chandrasekhar-Fermi Theory
DA December 1, 1974
USE Chandrasekhar Theory

CHANDRASEKHAR THEORY [01]
DA December 1, 1974
UF *Chandrasekhar-Fermi Theory*
RT Astrophysics
RT Stars

CHANNELING [01]
DA December 1, 1974
UF *Blocking*
UF *Coning*
UF *Dechanneling*
NT1 Electron Channeling
NT1 Ion Channeling
NT1 Positron Channeling
NT1 Proton Channeling

Channels (Reactor)
DA December 1, 1974
USE Reactor Channels

CHAPELCROSS-1 REACTOR [01]
(Annan, Scotland, UK)
DA December 1, 1974
BT1 Carbon Dioxide Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Magnox Type Reactors
BT2 GCR Type Reactors
BT3 Gas Cooled Reactors
BT4 Reactors
BT3 Graphite Moderated Reactors
BT4 Reactors
BT2 Natural Uranium Reactors
BT3 Reactors
BT1 Plutonium Production Reactors
BT2 Production Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

CHAPELCROSS-2 REACTOR [01]
(Annan, Scotland, UK)
DA December 1, 1974
BT1 Carbon Dioxide Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Magnox Type Reactors
BT2 GCR Type Reactors
BT3 Gas Cooled Reactors
BT4 Reactors
BT3 Graphite Moderated Reactors
BT4 Reactors
BT2 Natural Uranium Reactors
BT3 Reactors
BT1 Plutonium Production Reactors
BT2 Production Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

CHAPELCROSS-3 REACTOR [01]
(Annan, Scotland, UK)
DA December 1, 1974
BT1 Carbon Dioxide Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Magnox Type Reactors
BT2 GCR Type Reactors
BT3 Gas Cooled Reactors
BT4 Reactors
BT3 Graphite Moderated Reactors
BT4 Reactors
BT2 Natural Uranium Reactors
BT3 Reactors
BT1 Plutonium Production Reactors
BT2 Production Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

CHAPELCROSS-4 REACTOR [01]
(Annan, Scotland, UK)
DA December 1, 1974
BT1 Carbon Dioxide Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Magnox Type Reactors
BT2 GCR Type Reactors
BT3 Gas Cooled Reactors
BT4 Reactors
BT3 Graphite Moderated Reactors
BT4 Reactors
BT2 Natural Uranium Reactors
BT3 Reactors
BT1 Plutonium Production Reactors
BT2 Production Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

CHAPMAN-ENSKOG THEORY [01]
DA December 1, 1974
RT Transport Theory

CHAPMAN-FERRARO PROBLEM [01]
DA December 1, 1974
RT Solar Wind
RT Transport Theory

CHAPMAN-KOLMOGOROV EQUATION [01]
DA January 21, 1975
BT1 Differential Equations
BT2 Equations
RT Kolmogorov Equation
RT Reactor Kinetics Equations
DEF A set of equations used in the theory of stochastic processes, giving the state of a system as a probability distribution at a certain time in terms of the known states at previous times.

Char Oil Energy Development Process
DA January 29, 1975
USE COED Process

CHARCOAL [01]
DA December 1, 1974
BT1 Adsorbents
RT Activated Carbon
RT Solid Fuels
RT Wood Fuels

CHARGE CARRIERS [01]
DA December 1, 1974
RT Carrier Density
RT Carrier Lifetime
RT Carrier Mobility
RT Dember Effect
RT Electric Charges
RT Electron-Hole Droplets
RT Electrons
RT Holes

CHARGE COLLECTION [01]
DA January 21, 1975
RT Charge Transport

Charge Conjugation Invariance
DA December 1, 1974
USE C Invariance

CHARGE CONSERVATION [01]
DA December 1, 1974
RT Electric Charges
RT Gauge Invariance

CHARGE-COUPLED DEVICES [01]
DA April 27, 1978
UF *CCD*
BT1 Semiconductor Devices
DEF Semiconductor devices arrayed so that the electric charge at the output of one provides the input stimulus to the next.

CHARGE DENSITY [01]
DA August 24, 1976
UF *Density (Charge)*
RT Electric Charges
RT Energy Density

CHARGE DISTRIBUTION [01]
DA August 19, 1975
RT Electric Charges
RT Electrostatics
RT Ion Beams
RT Multiple Production
RT Nuclear Radii
RT Space Charge

CHARGE EXCHANGE [01]
DA December 1, 1974
UF *Exchange (Charge)*
RT Beam Neutralization
RT Beam Strippers
RT Electron Capture
RT Electron Loss
RT Hydrogen Transfer
RT Ionization
RT Plasma Potential

CHARGE-EXCHANGE INTERACTIONS [01]
DA December 1, 1974
BT1 Strong Interactions
BT2 Basic Interactions
BT3 Interactions
RT Cluster Emission Model
RT Panofsky Ratio

CHARGE-EXCHANGE REACTIONS [01]
DA December 1, 1974
BT1 Nuclear Reactions
RT Panofsky Ratio

CHARGE INDEPENDENCE [01]
DA December 1, 1974
BT1 Invariance Principles
RT Nucleons
RT Strong Interactions

CHARGE PLUNGER METHOD [01]
DA October 19, 1978
UF *Plunger Method*
UF *Recoil Distance Method*
BT1 Counting Techniques
RT Lifetime
RT Time-of-Flight Method
DEF Method for the determination of lifetimes of nuclear levels.

Charge Radius (Nuclear)
DA December 1, 1974
USE Nuclear Radii

Charge Radius (Particle)
DA December 1, 1974
USE Particle Radii

Charge Ratio
DA July 5, 1978
USE Minus-Plus Ratio

CHARGE RENORMALIZATION [01]
DA December 1, 1974
BT1 Renormalization
RT Electrodynamics

Charge State
(Prior to February 1993, this was a valid descriptor.)
DA January 28, 1977
USE Battery Charge State

CHARGE STATES [01]
(Not for ELECTRIC BATTERIES.)
DA July 10, 1984

RT Beam Strippers
RT Charged Particles
RT Electric Charges
RT Electron Capture
RT Electron Loss
RT Ions

CHARGE TRANSPORT [01]
DA December 1, 1974
RT Charge Collection
RT Electric Charges

CHARGED-CURRENT INTERACTIONS [01]
DA June 7, 1976
BT1 Particle Interactions
BT2 Interactions
RT Weinberg Angle

CHARGED CURRENTS [01]
DA June 7, 1976
BT1 Algebraic Currents
BT2 Currents
NT1 Weak Charged Currents
RT Neutral Currents

Charged-Particle Activation
DA February 27, 1979
USE Activation Analysis
AND Charged Particles

→**CHARGED-PARTICLE ACTIVATION ANALYSIS [01]**
DA August 20, 1991
BT1 Activation Analysis
BT2 Chemical Analysis

CHARGED PARTICLE DETECTION [01]
DA December 1, 1974
BT1 Radiation Detection
BT2 Detection
NT1 Acoustic Detection
NT1 Alpha Detection
NT1 Beta Detection
NT1 Electron Detection
NT1 Ion Detection
NT1 Muon Detection
NT1 Pion Detection
NT1 Positron Detection
NT1 Proton Detection
RT Cosmic Ray Detection
RT Fission Fragment Detection
RT Radiation Detectors
RT Radiation Length

CHARGED-PARTICLE PRECIPITATION [01]
DA February 20, 1975
NT1 Electron Precipitation
NT1 Proton Precipitation
RT Aurorae
RT Auroral Oval
RT Midday Aurorae
RT Radiation Belts

CHARGED-PARTICLE REACTIONS
DA January 21, 1975
BT1 Nuclear Reactions
NT1 Alpha Reactions
NT1 Deuteron Reactions
NT2 Antideuteron Reactions
NT1 Electron Reactions
NT2 Electrofission
* NT1 Heavy Ion Reactions
NT1 Helium 3 Reactions
* NT1 Meson Reactions
NT1 Muon Reactions
NT1 Proton Reactions
NT1 Triton Reactions
RT Charged Particles
RT Ions

CHARGED-PARTICLE TRANSPORT [01]
DA December 1, 1974
UF *Transport (Charged-Particle)*
BT1 Radiation Transport
NT1 Proton Transport
RT Charged-Particle Transport Theory
RT Energy Deposition

CHARGED-PARTICLE TRANSPORT THEORY [01]
DA December 1, 1974
BT1 Transport Theory
RT Charged-Particle Transport
RT Charged Particles
RT Elementary Particles

CHARGED PARTICLES [01]
(In addition to the specific charged particles listed below, see also the list under ELEMENTARY PARTICLES.)
DA December 1, 1974
UF+ *Charged-Particle Activation*
NT1 Alpha Particles
NT2 Cosmic Alpha Particles
NT2 Delayed Alpha Particles
NT2 Solar Alpha Particles
NT1 Beta Particles
NT1 Deuterons
NT1 Ions
NT2 Actinium Ions
NT2 Aluminium Ions
NT2 Americium Ions
NT2 Anions
NT3 Carbanions
NT3 Heteropolyanions
NT3 Hydrogen Ions 1 Minus
NT2 Antimony Ions
NT2 Argon Ions
NT2 Arsenic Ions
NT2 Astatine Ions
NT2 Atomic Ions
NT2 Barium Ions
NT2 Berkelium Ions
NT2 Beryllium Ions
NT2 Bismuth Ions
NT2 Boron Ions
NT2 Bromine Ions
NT2 Cadmium Ions
NT2 Calcium Ions
NT2 Californium Ions
NT2 Carbon Ions
NT2 Cations
NT3 Hydrogen Ions 1 Plus
NT3 Hydrogen Ions 2 Plus
NT3 Hydrogen Ions 3 Plus
NT2 Cerium Ions
NT2 Cesium Ions
NT2 Chlorine Ions
NT2 Chromium Ions
NT2 Cobalt Ions
NT2 Copper Ions
NT2 Curium Ions
NT2 Deuterium Ions
NT2 Dysprosium Ions
NT2 Einsteinium Ions
NT2 Erbium Ions
NT2 Europium Ions
NT2 Fermium Ions
NT2 Fluorine Ions
NT2 Francium Ions
NT2 Gadolinium Ions
NT2 Gallium Ions
NT2 Germanium Ions
NT2 Gold Ions
NT2 Hafnium Ions
NT2 Heavy Ions
NT2 Helium Ions
NT3 Helium Ash
NT2 Holmium Ions
NT2 Hydrogen Ions
NT3 Hydrogen Ions 1 Minus
NT3 Hydrogen Ions 1 Plus
NT3 Hydrogen Ions 2 Plus
NT3 Hydrogen Ions 3 Plus
NT2 Indium Ions
NT2 Iodine Ions
NT2 Iridium Ions
NT2 Iron Ions
NT2 Krypton Ions
NT2 Lanthanum Ions
NT2 Lead Ions
NT2 Light Ions
NT2 Lithium Ions
NT2 Lutetium Ions
NT2 Magnesium Ions
NT2 Manganese Ions
NT2 Mendelevium Ions
NT2 Mercury Ions
NT2 Molecular Ions
NT3 Hydrogen Ions 2 Plus
NT3 Hydrogen Ions 3 Plus
NT3 Oxonium Ions
NT2 Molybdenum Ions
NT2 Multicharged Ions
NT2 Muonic Ions
NT2 Neodymium Ions
NT2 Neon Ions
NT2 Neptunium Ions
NT2 Nickel Ions
NT2 Niobium Ions
NT2 Nitrogen Ions
NT2 Nobelium Ions
NT2 Osmium Ions
NT2 Oxygen Ions
NT2 Palladium Ions
NT2 Phosphorus Ions
NT2 Platinum Ions
NT2 Plutonium Ions
NT2 Polonium Ions
NT2 Potassium Ions
NT2 Praseodymium Ions
NT2 Promethium Ions
NT2 Protactinium Ions
NT2 Radium Ions
NT2 Radon Ions
NT2 Rhenium Ions
NT2 Rhodium Ions
NT2 Rubidium Ions
NT2 Ruthenium Ions
NT2 Samarium Ions
NT2 Scandium Ions
NT2 Selenium Ions
NT2 Silicon Ions
NT2 Silver Ions
NT2 Sodium Ions
NT2 Strontium Ions
NT2 Sulfur Ions
NT2 Tantalum Ions
NT2 Technetium Ions
NT2 Tellurium Ions
NT2 Terbium Ions
NT2 Thallium Ions
NT2 Thorium Ions
NT2 Thulium Ions
NT2 Tin Ions
NT2 Titanium Ions
NT2 Tritium Ions
NT2 Tungsten Ions
NT2 Uranium Ions
NT2 Vanadium Ions
NT2 Xenon Ions
NT2 Ytterbium Ions
NT2 Yttrium Ions
NT2 Zinc Ions
NT2 Zirconium Ions
NT1 Tritons
RT Battery Charge State
RT Charge States
RT Charged-Particle Reactions
RT Charged-Particle Transport Theory
RT Directed-Energy Weapons
RT Guiding-Center Approximation
RT Lorentz Force
RT Ponderomotive Force
RT Stoermer Theory
RT Test Particles

CHARGES [01]
DA December 1, 1974
UF *Assessments*
UF *Fees*
UF *Financial Penalties*
UF *Penalties*
NT1 Surcharges
RT Cost
RT Cost Overruns
RT Cost Recovery
RT Interest Rate
RT Invoices
RT Prices
RT Tax Credits
RT Taxes
DEF Pecuniary burden or fees.

Charging (Reactor)
DA December 1, 1974
USE Reactor Fueling

Charging Machines (Reactor)
DA December 1, 1974
USE Reactor Charging Machines

CHARIOT EVENT [01]
DA December 1, 1974
BT1 Plowshare Project
RT Harbors

CHARM PARTICLES [01]
DA December 1, 1974
BT1 Elementary Particles
NT1 Charmed Baryons
NT2 Lambda C Plus Baryons
NT2 Omega C Neutral Baryons
NT2 Sigma C-2450 Baryons
NT2 Xi C Plus Baryons
* **NT1** Charmed Mesons
RT Charmonium
RT Color Model
RT Hadrons
RT Hypercharge
RT Isospin
RT Quark Model
RT SU-3 Groups

Charmed Baryon Resonances
(Prior to April 1989 this was a valid descriptor.)
DA October 19, 1978
USE Charmed Baryons

CHARMED BARYONS [01]
(Prior to February 1988 this concept was indexed by charmed baryon resonances.)
DA February 5, 1988
UF *Charmed Baryon Resonances*
BT1 Baryons
BT2 Fermions
BT2 Hadrons
BT3 Elementary Particles
BT1 Charm Particles
BT2 Elementary Particles
NT1 Lambda C Plus Baryons
NT1 Omega C Neutral Baryons
NT1 Sigma C-2450 Baryons
NT1 Xi C Plus Baryons

Charmed Meson Resonances
(Prior to August 1988 this was a valid descriptor.)
DA January 23, 1978
USE Charmed Mesons

CHARMED MESONS [01]
DA February 2, 1988
UF *Charmed Meson Resonances*
UF *D Resonances*
BT1 Charm Particles
BT2 Elementary Particles
BT1 Mesons
BT2 Bosons
BT2 Hadrons
BT3 Elementary Particles
NT1 D Mesons
NT2 D Minus Mesons
NT2 D Neutral Mesons
NT3 Anti-D Neutral Mesons
NT2 D Plus Mesons
NT1 D S Mesons
NT1 D*-2010 Mesons
NT1 D*-2420 Mesons
NT1 D*S-2110 Mesons

CHARMONIUM [01]
DA November 1, 1976
BT1 Mesons
BT2 Bosons
BT2 Hadrons
BT3 Elementary Particles
BT1 Quarkonium
NT1 Chi0-3415 Mesons
NT1 Chi1-3510 Mesons
NT1 Chi2-3555 Mesons
NT1 Eta C-2980 Mesons
NT1 Eta C-3590 Mesons
NT1 J Psi-3097 Mesons
NT1 Psi-3685 Mesons
NT1 Psi-3770 Mesons
NT1 Psi-4030 Mesons
NT1 Psi-4160 Mesons
NT1 Psi-4415 Mesons
RT Bound State
RT Charm Particles
RT Flavor Model
RT Muonium
DEF A bound state of charm and anticharm quarks.

Charpak Chambers
DA December 1, 1974
USE Multiwire Proportional Chambers

CHARPY TEST [01]
DA December 1, 1974
BT1 Destructive Testing
BT2 Materials Testing
BT3 Testing
BT1 Impact Tests
BT2 Mechanical Tests
BT3 Materials Testing
BT4 Testing

CHARS [01]
DA April 8, 1975
BT1 Pyrolysis Products
RT By-Products
RT Coal
RT Coalcon Process
RT Consol Stirred Bed Process
RT CSIRO Process

Charts
DA December 1, 1974
USE Diagrams

CHATTAHOOCHEE RIVER [01]
DA February 20, 1975
BT1 Rivers
BT2 Streams
BT3 Surface Waters
RT Alabama
RT Florida
RT Georgia

CHATTANOOGA [01]
DA December 1, 1974
BT1 Tennessee
BT2 USA
BT3 Developed Countries
BT3 North America
BT1 Urban Areas

CHATTANOOGA FORMATION [01]
DA January 23, 1976
BT1 Appalachian Basin
BT2 Sedimentary Basins
BT3 Geologic Structures
BT1 Geologic Formations
RT Alabama
RT Arkansas
RT Black Shales
RT Geologic Strata
RT Georgia
RT Illinois
RT Kansas
RT Kentucky
RT Mississippi
RT Missouri
RT Ohio
RT Oil Shale Deposits
RT Oklahoma
RT Tennessee
RT Uranium Deposits

CHEESE [01]
DA December 1, 1974
BT1 Milk Products
BT2 Food
RT Whey

CHELATES [01]
DA December 1, 1974
BT1 Complexes
RT Chelating Agents

CHELATING AGENTS [01]
DA December 1, 1974
UF *Complexing Agents*
SF *Chemicals*
NT1 Acetylacetone
NT1 BAL
NT1 CDTA
NT1 CPDTA
NT1 DCTA
NT1 DEDTC
NT1 Deferoxamine
NT1 Dithizone
NT1 DTPA
NT1 EDDHA
NT1 EDTA
NT1 EGTA
NT1 HEDTA
NT1 HEIDA
NT1 HMDTA
NT1 MDPA
NT1 NTA
NT1 Penicillamine
NT1 TDA
NT1 TETAHA
NT1 TNA
NT1 TOA
RT Chelates
RT Crown Ethers
RT Decontamination
RT Drugs

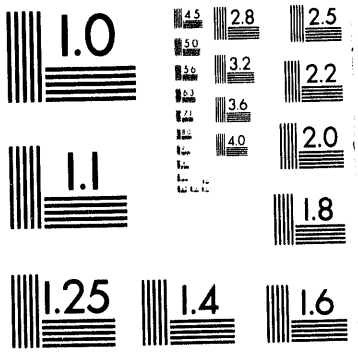
CHEMICAL ACTIVATION [01]
DA December 1, 1974
UF *Activation (Chemical)*
RT Activation Energy
RT Deactivation
RT Enzyme Reactivation
RT Excitation
RT Metabolic Activation

Chemical Activity
DA June 30, 1977
USE Thermodynamic Activity

CHEMICAL ANALYSIS [01]
DA December 1, 1974
UF *Content Analysis*
NT1 Activation Analysis
NT2 Charged-Particle Activation Analysis
NT2 Neutron Activation Analysis
NT2 Photon Activation Analysis
NT1 Ion Selective Electrode Analysis
NT1 Multi-Element Analysis
NT1 Nondestructive Analysis
NT2 Delayed Neutron Analysis
NT2 Deuteron Microprobe Analysis
NT2 Electron Microprobe Analysis
NT2 Ion Microprobe Analysis
NT2 Ion Scattering Analysis
NT2 Proton Microprobe Analysis
NT2 Radiation Absorption Analysis
NT2 Radiation Scattering Analysis
NT2 X-Ray Emission Analysis
NT3 PIXE Analysis
NT3 X-Ray Fluorescence Analysis
NT1 Nuclear Reaction Analysis
NT2 Delayed Neutron Analysis
NT1 Qualitative Chemical Analysis
NT1 Quantitative Chemical Analysis
NT2 Gravimetric Analysis
NT3 Thermal Gravimetric Analysis
NT2 Radio-Release Analysis
NT2 Radiochemical Analysis
NT2 Radiometric Analysis
NT2 Volumetric Analysis
NT1 Ring Oven Method
RT Carbon Meters
RT Centrifugal Fast Analyzers
RT Classification
RT Crime Detection
RT Derivatization
RT Hydrogen Meters
RT Ion Probes
RT Oxygen Meters
RT Post-Irradiation Examination
RT Structural Chemical Analysis
RT Sulfur Meters
RT Supercritical Fluid Chromatography
RT Tritium Meters

→**CHEMICAL ATTRACTANTS [01]**
DA June 10, 1992
NT1 Pheromone
RT Insects
RT Odor
RT Pest Control

CHEMICAL BONDS [01]
DA December 1, 1974
NT1 Double Bonds
RT Adducts
RT Binding Energy


1.0
2.8
2.5
3.2
2.2
3.6
2.0
4.0
1.1
1.8
1.25
1.4
1.6

RT Bond Angle
RT Bond Lengths
RT DNA Adducts

CHEMICAL COATING [01]
DA December 1, 1974
BT1 Surface Coating
BT2 Deposition
NT1 Chemical Vapor Deposition
NT1 Electrochemical Coating
NT2 Anodization

CHEMICAL COMPOSITION [01]
DA December 1, 1974
RT Abundance
RT Ash Content
RT Cosmochemistry
RT Iodine Number
RT Ionic Composition
RT Quantitative Chemical Analysis
RT Sulfur Content
RT Water Chemistry

CHEMICAL DECLADDING [01]
DA December 1, 1974
BT1 Decladding
BT2 Head End Processes

CHEMICAL DOSEMETERS [01]
DA December 1, 1974
UF *Fricke Dosemeters*
BT1 Dosemeters
BT2 Measuring Instruments
RT Chemical Radiation Detectors

CHEMICAL EFFLUENTS [01]
DA June 30, 1975
UF *Effluents (Chemical)*
BT1 Chemical Wastes
BT2 Nonradioactive Wastes
BT2 Wastes
RT Gaseous Wastes
RT Industrial Wastes
RT Liquid Wastes
RT Nonradioactive Waste Disposal
RT Particle Resuspension
RT Pollutants
RT Pollution
RT Radioactive Effluents
RT Solid Wastes
RT Stack Disposal
RT Water Pollution Monitors

CHEMICAL ENGINEERING [01]
DA September 5, 1984
BT1 Engineering
RT Chemistry

CHEMICAL EXPLOSIONS [01]
DA December 1, 1974
BT1 Explosions
NT1 Cowboy Event
NT1 Middle Gust Event
NT1 Pre-Gondola I Event
NT1 Pre-Gondola II Event
RT Chemical Explosives
RT Contained Explosions
RT Cratering Explosions
RT Explosive Fracturing
RT Explosive Stimulation
RT Flashback
RT Underground Explosions

CHEMICAL EXPLOSIVES [01]
DA December 1, 1974
UF *High Explosives*
SF *Chemicals*
BT1 Explosives
NT1 Dynamite
NT1 Nitrocellulose
NT1 Nitroglycerin
NT1 Nitromethane
NT1 PETN
NT1 Picric Acid
NT1 Shaped Charges
NT1 TATB
NT1 Tetryl
NT1 TNT
RT Chemical Explosions
RT Detonation Limits
RT Pyrotechnic Devices

CHEMICAL FEEDSTOCKS [01]
DA March 4, 1977
UF+ *Petrochemical Feedstocks*
SF *Chemicals*
BT1 Raw Materials
BT2 Materials
RT Inorganic Compounds
RT Organic Compounds
RT Petrochemicals
RT Pyrolytic Gases

Chemical Heat Pipes
(Prior to December 1991 this was a valid descriptor.)
DA February 9, 1982
USE Heat Pipes

CHEMICAL HEAT PUMPS
DA September 26, 1979
UF *HYCSOS*
BT1 Heat Pumps
RT Cooling Systems
RT Heating Systems
RT Thermochemical Heat Storage
DEF A system for transporting and storing high grade thermal energy by the use of reversible, exothermic/endothermic chemical reactions.

CHEMICAL INDUSTRY [01]
DA August 19, 1975
UF+ *Chlor-Alkali Industry*
BT1 Industry
RT Chemical Plants
RT Mineral Industry

CHEMICAL LASERS [01]
DA January 21, 1975
BT1 Lasers
RT Dye Lasers

CHEMICAL LOGGING
DA October 28, 1980
BT1 Well Logging
DEF Profiling of the concentration of chemical elements found in various geological formation fluids relative to the depth at which they are found.

CHEMICAL MACHINING [01]
DA May 15, 1975
UF *Chemical Milling*
BT1 Machining
NT1 Electrochemical Machining

Chemical Milling
DA May 15, 1975
USE Chemical Machining

Chemical Mutagens
DA December 1, 1974
USE Mutagens

CHEMICAL OXYGEN DEMAND
DA March 8, 1978
RT Aquatic Ecosystems
RT Biochemical Oxygen Demand
RT Liquid Wastes
RT Oxygen

CHEMICAL PHYSICS
DA September 5, 1984
BT1 Physics
RT Chemistry

CHEMICAL PLANTS [01]
DA December 28, 1978
BT1 Industrial Plants
NT1 Gasoline Plants
NT1 Petrochemical Plants
RT Biomass Conversion Plants
RT Chemical Industry
RT Ethanol Plants
RT Methanol Plants
RT Petrochemicals
DEF Industrial facilities operated by the Chemical Industry.

CHEMICAL POLISHING [01]
DA December 1, 1974
BT1 Polishing
BT2 Surface Finishing

CHEMICAL PREPARATION [01]
DA December 1, 1974
UF *Preparation (Chemical)*
BT1 Synthesis
RT Chemical Reactions

CHEMICAL PROPERTIES [01]
DA December 1, 1974
UF *Properties (Chemical)*
RT Affinity
RT Chemical Reactions
RT Chemistry

CHEMICAL RADIATION DETECTORS [01]
DA December 1, 1974
BT1 Radiation Detectors
BT2 Measuring Instruments
RT Chemical Dosemeters

CHEMICAL RADIATION EFFECTS [01]
DA December 1, 1974
UF *Radioinduced Reactions*
UF+ *Radiation Hardening (Chemical)*
UF+ *Radiopolymerization*
BT1 Radiation Effects
NT1 Lyoluminescence
NT1 Radiation Curing
NT1 Radiolysis
NT2 Autoradiolysis
RT Host-Cell Reactivation
RT Radiation Chemistry
RT Strand Breaks

CHEMICAL REACTION KINETICS [01]
DA December 1, 1974
BT1 Reaction Kinetics
BT2 Kinetics
NT1 Combustion Kinetics
RT Activation Energy
RT Arrhenius Equation
RT Catalysis
RT Enzyme Activity
RT Reaction Intermediates

CHEMICAL REACTION YIELD [01]
DA December 1, 1974
UF *Yield (Chemical Reaction)*
BT1 Yields
RT Chemical Reactions

CHEMICAL REACTIONS [01]
DA December 1, 1974
UF+ *Ionic Reactions*
NT1 Acylation
NT2 Acetylation
NT2 Benzoylation
NT1 Alkylation
NT1 Amination
NT1 Aromatization
NT1 Arylation
NT1 Bosch Process
NT1 Carbonylation
NT1 Carboxylation
NT1 Chemisorption
NT1 Claisen Condensation
NT1 Corrosion
NT2 Crevice Corrosion
NT2 Electrochemical Corrosion
NT2 Fretting Corrosion
NT2 Intergranular Corrosion
NT2 Nodular Corrosion
NT2 Pitting Corrosion
NT2 Stress Corrosion
NT1 Cyclization
NT1 Dealkylation
NT1 Deamination
NT1 Decarboxylation
NT1 Decarburization
NT1 Decomposition
NT2 Autolysis
NT3 Autoradiolysis
NT2 Biodegradation
NT2 Carbonization
NT3 Coking
NT3 Electrocarbonization
NT2 Depolymerization
NT2 Destructive Distillation
NT2 Photolysis

NT3 Biophotolysis
NT2 Proteolysis
NT3 Fibrinolysis
NT2 Pyrolysis
NT3 Calcination
NT3 Cracking
NT4 Catalytic Cracking
NT4 Hydrocracking
NT4 Thermal Cracking
NT3 Flash Hydropyrolysis Process
NT2 Radiolysis
NT3 Autoradiolysis
NT2 Retorting
NT3 In-Situ Retorting
NT2 Solvolysis
NT3 Acetolysis
NT3 Ammonolysis
NT3 Hydrolysis
NT4 Acid Hydrolysis
NT4 Alkaline Hydrolysis
NT4 Autohydrolysis
NT4 Enzymatic Hydrolysis
NT4 Saccharification
NT4 Saponification
NT1 Dehalogenation
NT2 Dechlorination
NT2 Deiodination
NT1 Dehydridation
NT1 Dehydrocyclization
NT1 Dehydrogenation
NT1 Denitration
NT1 Denitrification
NT2 Combined SOxNOx Processes
NT3 ARGONOX Process
NT3 NOXSO Process
NT2 Selective Catalytic Reduction
NT1 Dephenolization
NT1 Derivatization
NT1 Desulfurization
NT2 Adip Process
NT2 Al Aqueous Carbonate Process
NT2 Alkalized Alumina Process
NT2 Alkazid Process
NT2 Ames Wet Oxidation Process
NT2 Amisol Process
NT2 Ammonia-Ammonium Bisulfate Process
NT2 Amoco Sulfur Recovery Process
NT2 Aquaclaus Process
NT2 AS Recycling Process
NT2 BAMAG Process
NT2 Battelle Hydrothermal Coal Process
NT2 Beavon Process
NT2 Benfield Process
NT2 Bergbauforschung-Foster Wheeler Process
NT2 Bergbauforschung Process
NT2 BOM-ERDA Process
NT2 CAFB Process
NT2 Carl Still Process
NT2 Cat-Ox Process
NT2 Catacarb Process
NT2 CEA-ADL Dual Alkali Process
NT2 Chemsweet Process
NT2 Chiyoda Thoroughbred Process
NT2 Citrate Process
NT2 CITREX Process
NT2 Claus Process
NT2 Cleanair Process
NT2 CNG Process
NT2 Combined SOxNOx Processes
NT3 ARGONOX Process
NT3 NOXSO Process
NT2 Conoco Process
NT2 Consol FGD Process
NT2 CZD Process
NT2 Davy S-H Process
NT2 Desorex Process
NT2 Diamox Process
NT2 Dowa Process
NT2 Ferrox Process
NT2 Fluor Econamine Process
NT2 Fluor Solvent Process
NT2 FMC Double Alkali Process
NT2 Fumaks Process
NT2 GE Process
NT2 Giammarco Vetrocoke Sulfur Process
NT2 Girbotol Process
NT2 Girdler-Girbotol Process
NT2 Gravichem Process
NT2 Gravimelt Process
NT2 Grillo Process
NT2 Gulf HDS Process
NT2 Haines Process
NT2 Hazen Process
NT2 Hirohax Process
NT2 Hoelter Process
NT2 Holmes-Stretford Process
NT2 ICI Process
NT2 IFP Process
NT2 IGT Dehydrodesulfurization Process
NT2 JPL Process
NT2 Koppers Vacuum Carbonate Process
NT2 Kureha Acetate Process
NT2 KVB Process
NT2 Ledgemont Process
NT2 Lime-Limestone Wet Scrubbing Processes
NT3 Bischoff Process
NT3 SF Nateko Process
NT2 LUCAS Process
NT2 Magnesium Slurry Scrubbing Process
NT2 Meyers Process
NT2 Molecular Sieve Process
NT2 Molten Carbonate Process
NT2 Otto Process
NT2 Penelec Process
NT2 Perox Process
NT2 Petit Process
NT2 Phosphate Process
NT2 Pircon-Peck Process
NT2 Pittsburgh Oxydesulfurization Process
NT2 Purasiv S Process
NT2 Purisol Process
NT2 Rectisol Process
NT2 Reinluft Process
NT2 RESOX Process
NT2 RIC Process
NT2 Saarberg-Holter Process
NT2 SCOT Process
NT2 Seaboard Process
NT2 Selexol Process
NT2 Shell-UOP Copper Oxide Process
NT2 SNPA-DEA Process
NT2 SOLINOX Process
NT2 SOXAL Process
NT2 Stauffer AQUACLAUS Process
NT2 Stone and Webster Ionics Process
NT2 Stretford Process
NT2 SULF-X Process
NT2 Sulfiban Process
NT2 Sulfinol Process
NT2 Sulfox Process
NT2 Sulfreen Process
NT2 Syracuse Chemical Comminution Process
NT2 Takahax Process
NT2 Thiosorbic Process
NT2 Thylox Process
NT2 Topsoe-SNPA Process
NT2 Townsend Process
NT2 TRW Process
NT2 Tyco Process
NT2 UCAP Process
NT2 UNISULF Process
NT2 Vacuum Carbonate Process
NT2 W-L Sulfur Dioxide Recovery Process
NT2 Walther Process
NT2 Westvaco Process
NT1 Deuteration
NT1 Diazotization
NT1 Diels-Alder Reaction
NT1 Esterification
NT1 Fischer-Tropsch Synthesis
NT1 Friedel-Crafts Reaction
NT1 Halogenation
NT2 Astatination
NT2 Bromination
NT2 Chlorination
NT3 Sulfochlorination
NT2 Fluorination
NT2 Iodination
NT1 Hydridation
NT1 Hydrogenation
NT2 Gulf HDS Process
NT1 Isomerization
NT1 Methanation
NT1 Methylation
NT1 Nitridation
NT1 Nitrification
NT1 Oxidation
NT2 Combustion
NT3 Cocombustion
NT3 Fluidized-Bed Combustion
NT3 In-Situ Combustion
NT3 Pulse Combustion
NT3 Reverse Combustion
NT3 Spontaneous Combustion
NT3 Staged Combustion
NT2 Roasting
NT1 Ozonization
NT1 Partial Oxidation Processes
NT1 Phosphorylation
NT1 Photochemical Reactions
NT2 Photolysis
NT3 Biophotolysis
NT2 Photosynthesis
NT1 Polymerization
NT2 Copolymerization
NT2 Cross-Linking
NT2 Dimerization
NT2 Telomerization
NT1 Redox Reactions
NT1 Reduction
NT2 Bomb Reduction
NT2 Selective Catalytic Reduction
NT2 Thermite Process
NT1 Reformer Processes
NT2 Autothermal Reformer Processes
NT2 Catalytic Reforming
NT2 Steam Reformer Processes
NT3 Segas Process
NT1 Steam-Iron Process
NT1 Sulfation
NT1 Sulfidation
NT1 Sulfonation
NT2 Sulfochlorination
NT1 Water Gas Processes
RT Acidification
RT Affinity
RT Catalysis
RT Chemical Preparation
RT Chemical Properties
RT Chemical Reaction Yield
RT Chemical Reactors
RT Chemical State
RT Chemistry
RT Equilibrium
RT Fermentation
RT Fluidized Beds
RT Fuel-Cladding Interactions
RT Fuel-Coolant Interactions
RT Hydrogen Transfer
RT Hydroxylation
RT Isotopic Exchange
RT Molten Metal-Water Reactions
RT Nitration
RT Phosphoenolpyruvate
RT Reaction Intermediates
RT Rock-Fluid Interactions
RT Seed-Slag Interactions
RT Stoichiometry
RT Thermodynamic Activity
RT Waste-Rock Interactions

CHEMICAL REACTORS [01]
DA August 19, 1975
UF *Vessels (Chemical Reactions)*
NT1 Retorts
NT2 Pumpherston Retort
RT Bioreactors
RT Chemical Reactions
RT Loading Rate

CHEMICAL SHIFT [01]
DA December 1, 1974
RT Nuclear Magnetic Resonance
RT Spectral Shift

Chemical Shimming
DA December 1, 1974
USE Fluid Poison Control

CHEMICAL SPILLS [01]
DA February 11, 1980
RT Chemical Wastes
RT Gas Spills
RT Hazardous Materials Spills
RT Oil Spills

CHEMICAL STATE [01]
DA December 1, 1974
RT Anions
RT Cations
RT Chemical Reactions
RT Recoils

CHEMICAL VAPOR DEPOSITION [01]
DA December 1, 1974
BT1 Chemical Coating
BT2 Surface Coating
BT3 Deposition
RT Vapor Deposited Coatings
RT Vapor Phase Epitaxy
RT Vapor Plating

CHEMICAL WARFARE [01]
DA February 3, 1986
BT1 Warfare
RT Chemical Warfare Agents

CHEMICAL WARFARE AGENTS
DA February 3, 1986
BT1 Weapons
RT Chemical Warfare

CHEMICAL WASTES [01]
DA March 11, 1982
UF *Waste Chemicals*
BT1 Nonradioactive Wastes
BT1 Wastes
NT1 Chemical Effluents
RT Chemical Spills
RT Hazardous Materials
RT Industrial Wastes
RT Municipal Wastes

Chemically Active Fluidized Bed Process
DA January 29, 1975
USE CAFB Process

Chemicals
DA December 1, 1974
SEE Additives
OR Carcinogens
OR Chelating Agents
OR Chemical Explosives
OR Chemical Feedstocks
OR Chemosterilants
OR Contrast Media
OR Detergents
OR Developers
OR Dyes
OR Fumigants
OR Indicators
OR Inorganic Compounds
OR Mutagens
OR Organic Compounds
OR Petrochemicals
OR Pigments
OR Plasticizers
OR Preservatives
OR Reagents
OR Solvents
OR Surfactants
OR Teratogens
OR Tumor Promoters

CHEMICO PROCESS
DA January 24, 1975
RT Desulfurization
RT Waste Processing
DEF Process using an aqueous suspension of MgO for removal of SO_2 from flue gas.

CHEMILUMINESCENCE [01]
DA December 1, 1974
BT1 Luminescence
RT Luminol

CHEMISORPTION [01]
DA December 1, 1974
BT1 Chemical Reactions
BT1 Separation Processes
BT1 Sorption
RT Adsorbents
RT Adsorption
RT Hydrogen Storage
DEF The process of chemical adsorption.

CHEMISTRY [01]
DA December 1, 1974
NT1 Atmospheric Chemistry
NT1 Biochemistry
NT2 Blood Chemistry
NT2 Cytochemistry
NT1 Cosmochemistry
NT1 Electrochemistry
NT1 Geochemistry
NT2 Biogeochemistry
NT1 Nuclear Chemistry
NT1 Photochemistry
NT1 Physical Chemistry
NT1 Radiation Chemistry
NT1 Radiochemistry
NT2 Hot Atom Chemistry
NT3 Szilard-Chalmers Reaction
NT1 Soil Chemistry
NT1 Water Chemistry
NT2 Acid Neutralizing Capacity
RT Chemical Engineering
RT Chemical Physics
RT Chemical Properties
RT Chemical Reactions
RT Positronium Chemistry
RT Qualitative Chemical Analysis
RT Quantitative Chemical Analysis
RT Stoichiometry

Chemistry (Water)
DA February 20, 1975
USE Water Chemistry

CHEMONUCLEAR REACTORS [01]
DA December 1, 1974
BT1 Irradiation Reactors
BT2 Reactors

CHEMORECEPTORS [01]
DA December 1, 1974
RT Flavor
RT Insects
RT Odor
RT Sense Organs

CHEMOSTERILANTS [01]
DA December 1, 1974
SF *Chemicals*
RT Alkylating Agents
RT Antimetabolites
RT Sterilization
DEF A substance producing irreversible reproductive sterility.

CHEMOTHERAPY [01]
DA December 1, 1974
UF *Pharmacotherapy*
BT1 Therapy
RT Antimitotic Drugs
RT Antineoplastic Drugs
RT Combined Therapy
RT Drugs
RT Liposomes
RT Misonidazole
RT Neocarcinostatin

CHEMSWEET PROCESS
DA May 6, 1980
BT1 Desulfurization
BT2 Chemical Reactions
DEF Batch process for sweetening low-value sour natural gas using zinc compounds.

CHENOPODIACEAE [01]
DA April 15, 1988
BT1 Magnoliopsida
BT2 Magnoliophyta
BT3 Plants

CHERENKOV COUNTERS [01]
DA December 1, 1974
UF *Cherenkov Detectors*
BT1 Radiation Detectors
BT2 Measuring Instruments
RT Cherenkov Counting
RT Stanford Linear Collider Detector

CHERENKOV COUNTING [01]
DA October 28, 1975
BT1 Counting Techniques
RT Cherenkov Counters

Cherenkov Detectors
DA December 1, 1974
USE Cherenkov Counters

CHERENKOV RADIATION [01]
DA December 1, 1974
UF *Vavilov-Cherenkov Radiation*
BT1 Electromagnetic Radiation
BT2 Radiations
RT Light Cone

CHERNOBYLSK-1 REACTOR [01]
DA September 20, 1984
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 LWGR Type Reactors
BT2 Graphite Moderated Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

CHERNOBYLSK-2 REACTOR [01]
DA September 20, 1984
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 LWGR Type Reactors
BT2 Graphite Moderated Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

CHERNOBYLSK-3 REACTOR [01]
DA September 20, 1984
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 LWGR Type Reactors
BT2 Graphite Moderated Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

CHERNOBYLSK-4 REACTOR [01]
DA September 20, 1984
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 LWGR Type Reactors
BT2 Graphite Moderated Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors
RT Pripet River

CHERNOFF FACES
DA June 6, 1979
RT Computer Graphics
RT Data Processing
DEF Stylized faces used in analysis of many-dimensional data sets.

CHEROKEE-1 REACTOR [01]
(In Cherokee County, South Carolina, USA.)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

CHEROKEE-2 REACTOR [01]
(In Cherokee County, South Carolina, USA.)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

CHEROKEE-3 REACTOR [01]
(In Cherokee County, South Carolina, USA.)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

CHERRIES [01]
DA December 1, 1974
BT1 Fruits
BT2 Food
RT Fruit Trees
RT Rosaceae

Cherry Fruit Fly
DA January 26, 1976
USE Rhagoletis Cerasi

CHERT
DA January 21, 1975
BT1 Sedimentary Rocks
BT2 Rocks

CHESAPEAKE BAY [01]
DA December 1, 1974
BT1 Atlantic Ocean
BT2 Seas
BT3 Surface Waters
BT1 Bays
BT2 Coastal Waters
BT3 Surface Waters
RT Maryland
RT Mid-Atlantic Bight
RT Virginia

Cheshire Event
DA June 21, 1977
USE Anvil Project

CHEST [01]
DA December 1, 1974
UF *Thorax*
BT1 Body Areas
BT2 Body
NT1 Mediastinum
RT Diaphragm
RT Heart
RT Lungs
RT Mammary Glands
RT Pleura
RT Respiratory System
RT Thymus

CHESTNUT TREES [01]
DA September 11, 1978
BT1 Magnoliopsida
BT2 Magnoliophyta
BT3 Plants
BT1 Trees
BT2 Plants

CHESTNUTS [01]
DA February 11, 1982
BT1 Nuts
BT2 Fruits
BT3 Food

Chevron Coal Liquefaction Process
(Prior to July 1993, this was a valid descriptor.)
DA January 21, 1983
USE Coal Liquefaction
DEF Processing sequence uses two separate, but close-coupled reaction zones. The first is used to contain and control dissolution reactions. The second contains and controls hydrofining reactions.

CHEW-LOW METHOD [01]
DA December 1, 1974
BT1 Calculation Methods
RT Strong Interactions

CHI0-3415 MESONS [01]
(Prior to February 1988 this concept was indexed by CHI-3410 RESONANCES.)
DA February 1, 1988
UF *Chi-3410 Resonances*
BT1 Charmonium
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles
BT2 Quarkonium
BT1 Scalar Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

CHI1-3510 MESONS [01]
(Prior to February 1988 this concept was indexed by CHI-3500 RESONANCES.)
DA February 1, 1988
UF *Chi-3500 Resonances*
BT1 Axial Vector Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles
BT1 Charmonium
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles
BT2 Quarkonium

CHI2-3555 MESONS [01]
(Prior to February 1988 this concept was indexed by CHI-3550 RESONANCES.)
DA February 1, 1988
UF *Chi-3550 Resonances*
BT1 Charmonium
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles
BT2 Quarkonium
BT1 Tensor Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

Chi-2800 Resonances
DA October 3, 1979
USE Mesons

Chi-3410 Resonances
(Prior to February 1988 this was a valid descriptor.)
DA August 24, 1976
USE Chi0-3415 Mesons

Chi-3455 Resonances
(Prior to March 1988 this was a valid descriptor.)
DA July 23, 1977
USE Mesons

Chi-3500 Resonances
(Prior to February 1988 this was a valid descriptor.)
DA January 28, 1977
USE Chi1-3510 Mesons

Chi-3550 Resonances
(Prior to February 1988 this was a valid descriptor.)
DA January 28, 1977
USE Chi2-3555 Mesons

CHI B0-9860 MESONS [01]
DA February 2, 1988
BT1 Bottomonium
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles
BT2 Quarkonium

CHI B0-10235 MESONS [01]
DA February 2, 1988
BT1 Bottomonium
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles
BT2 Quarkonium

CHI B1-9895 MESONS [01]
DA February 2, 1988
BT1 Bottomonium
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles
BT2 Quarkonium

CHI B1-10255 MESONS [01]
DA February 2, 1988
BT1 Bottomonium
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles
BT2 Quarkonium

CHI B2-9915 MESONS [01]
DA February 2, 1988
BT1 Bottomonium
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles
BT2 Quarkonium

CHI B2-10270 MESONS [01]
DA February 2, 1988
BT1 Bottomonium
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles
BT2 Quarkonium

Chi Resonances
(Prior to March 1988 this was a valid descriptor.)
DA July 23, 1977
USE Mesons

Chiberta Event
DA June 21, 1977
USE Anvil Project

CHICAGO [01]
DA October 20, 1977
BT1 Illinois
BT2 USA
BT3 Developed Countries
BT3 North America
BT1 Urban Areas

CHICAGO CYCLOTRON [01]
DA December 1, 1974
BT1 Isochronous Cyclotrons
BT2 Cyclotrons
BT3 Cyclic Accelerators
BT4 Accelerators

Chicago Pile-2 Reactor
DA December 1, 1974
USE CP-2 Reactor

CHICAGO SYNCHROCYCLOTRON [01]
DA December 1, 1974

BT1 Synchrocyclotrons
BT2 Cyclic Accelerators
BT3 Accelerators

CHICKENS [01]
DA December 1, 1974
UF *Hens*
BT1 Fowl
BT2 Birds
BT3 Vertebrates
BT4 Animals
RT Ascaridae
RT Syngamus

CHILDREN [01]
DA December 1, 1974
BT1 Age Groups
NT1 Infants
RT Adolescents
RT Life Cycle
RT Pediatrics
RT Progeny

CHILE [01]
DA December 1, 1974
BT1 Developing Countries
BT1 South America
BT2 Latin America
RT Andes
RT El Tatio Geothermal Field

CHIMERAS [01]
DA December 1, 1974
BT1 Mosaicism
NT1 Radiation Chimeras
RT Immunity
RT Spleen Colony Formation
RT Transplants

CHIMNEYS [01]
DA January 21, 1975
NT1 Solar Chimneys
RT Cavities
RT Draft Control Systems
RT Exhaust Systems
RT Fireplaces

CHINA [01]
DA December 1, 1974
UF *Peoples Republic of China*
BT1 Asia
NT1 Inner Mongolia
NT1 Manchuria
NT1 Taiwan
RT Centrally Planned Economies
RT CIAE
RT Yangtze River

China Clay
DA December 1, 1974
USE Kaolin

China Institute of Atomic Energy
DA September 10, 1992
USE CIAE

CHINA SEA [01]
DA March 16, 1981
UF *East China Sea*
UF *South China Sea*
BT1 Pacific Ocean
BT2 Seas
BT3 Surface Waters

Chinese Bean Oil
DA December 1, 1974
USE Soybean Oil

Chinese Hamster
DA December 1, 1974
USE Hamsters

Chinese Hamster Ovary Cells
DA September 15, 1983
USE CHO cells

→**CHINESE NNSA [01]**
DA April 16, 1993
BT1 Chinese Organizations
BT2 National Organizations

CHINESE ORGANIZATIONS [01]
DA October 7, 1980
BT1 National Organizations
NT1 Chinese NNSA
NT1 CIAE

CHINESE TALLOW TREE [01]
DA April 14, 1980
BT1 Euphorbia
BT2 Magnoliopsida
BT3 Magnoliophyta
BT4 Plants
RT Shrubs
RT Trees
DEF A hydrocarbon-producing plant; possible source of synthetic petroleum.

CHINON-1 REACTOR [01]
(Avoine, Chinon, France)
DA December 1, 1974
UF *EDF-1 Reactor*
BT1 Carbon Dioxide Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 GCR Type Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT2 Graphite Moderated Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

CHINON-2 REACTOR [01]
(Avoine, Chinon, France)
DA December 1, 1974
UF *EDF-2 Reactor*
BT1 Carbon Dioxide Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 GCR Type Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT2 Graphite Moderated Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

CHINON-3 REACTOR [01]
(Avoine, Chinon, France)
DA December 1, 1974
UF *EDF-3 Reactor*
BT1 Carbon Dioxide Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 GCR Type Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT2 Graphite Moderated Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

Chinone
DA December 1, 1974
USE Benzoquinones

→**CHINSHAN-1 REACTOR [01]**
(Taipei, Taiwan. Prior to January 1991, this was a valid descriptor. This descriptor was spelled QINSHAN-1 REACTOR for items input in 1991.)
DA January 31, 1992
SF *Qinshan-1 Reactor*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

→**CHINSHAN-2 REACTOR [01]**
(Taipei, Taiwan. Prior to January 1991, this was a valid descriptor. This descriptor was spelled QINSHAN-2 REACTOR for items input in 1991.)
DA January 31, 1992
SF *Qinshan-2 Reactor*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

CHIPMUNKS [01]
DA December 1, 1974
BT1 Rodents
BT2 Mammals
BT3 Vertebrates
BT4 Animals
RT Squirrels

Chiral
DA February 23, 1976
USE Enantiomorphs

CHIRAL SYMMETRY [01]
DA December 1, 1974
BT1 Symmetry
RT Chirality

CHIRALITY [01]
DA December 1, 1974
BT1 Particle Properties
RT Angular Momentum
RT Chiral Symmetry
RT Helicity
RT Quantum Mechanics
RT Spin

CHITIN [01]
DA December 1, 1974
BT1 Mucopolysaccharides
BT2 Amines
BT3 Organic Compounds
BT2 Polysaccharides
BT3 Saccharides
BT4 Carbohydrates
BT5 Organic Compounds
RT Glucosamine
RT Polyacetals

CHIYODA THOROUGHBRED PROCESS
DA December 22, 1977
BT1 Desulfurization
BT2 Chemical Reactions
RT Waste Processing
DEF Wet process capable of high SOx removal from flue gas producting gypsum for resale or disposal.

CHLAMYDOMONAS [01]
DA December 1, 1974
BT1 Chlorophycota
BT2 Algae
BT3 Plants
BT1 Unicellular Algae
BT2 Algae
BT3 Plants
BT2 Microorganisms

Chlor-Alkali Industry
DA April 17, 1981
USE Chemical Industry
AND Chlorine
AND Sodium Carbonates
AND Sodium Hydroxides

CHLORAL [01]
DA December 1, 1974
UF *Trichloroacetaldehyde*
BT1 Aldehydes
BT2 Organic Compounds
BT1 Organic Chlorine Compounds
BT2 Organic Halogen Compounds

BT3 Organic Compounds
RT Acetaldehyde

CHLORAMBUCIL [01]
DA February 5, 1975
BT1 Amines
BT2 Organic Compounds
BT1 Antineoplastic Drugs
BT2 Drugs
BT1 Monocarboxylic Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT1 Organic Chlorine Compounds
BT2 Organic Halogen Compounds
BT3 Organic Compounds

Chloramine-B
DA December 1, 1974
USE Chloramines

Chloramine-T
DA December 1, 1974
USE Chloramines

CHLORAMINES [01]
DA December 1, 1974
UF *Chloramine-B*
UF *Chloramine-T*
BT1 Amines
BT2 Organic Compounds
BT1 Organic Chlorine Compounds
BT2 Organic Halogen Compounds
BT3 Organic Compounds
RT Amides
RT Sulfonic Acids

CHLORAMPHENICOL [01]
DA December 1, 1974
BT1 Antibiotics
BT2 Anti-Infective Agents
BT3 Drugs

CHLORANIL [01]
DA December 1, 1974
UF *Tetrachlorobenzoquinone*
BT1 Benzoquinones
BT2 Quinones
BT3 Aromatics
BT4 Organic Compounds
BT3 Organic Oxygen Compounds
BT4 Organic Compounds
BT1 Organic Chlorine Compounds
BT2 Organic Halogen Compounds
BT3 Organic Compounds
RT Chloranilic Acid

CHLORANILIC ACID [01]
DA December 1, 1974
BT1 Benzoquinones
BT2 Quinones
BT3 Aromatics
BT4 Organic Compounds
BT3 Organic Oxygen Compounds
BT4 Organic Compounds
RT Chloranil
RT Organic Acids

CHLORATES [01]
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
DA December 1, 1974
BT1 Chlorine Compounds
BT2 Halogen Compounds
BT1 Oxygen Compounds
RT Chloric Acid

CHLORELLA [01]
DA December 1, 1974
BT1 Chlorophycota
BT2 Algae
BT3 Plants
BT1 Unicellular Algae
BT2 Algae
BT3 Plants
BT2 Microorganisms

CHLORIC ACID [01]
DA December 1, 1974
BT1 Chlorine Compounds
BT2 Halogen Compounds
BT1 Inorganic Acids
BT2 Hydrogen Compounds
BT1 Oxygen Compounds
RT Chlorates

CHLORIDE VOLATILITY PROCESS [01]
DA December 1, 1974
BT1 Pyrometallurgy
BT2 Extractive Metallurgy
BT3 Metallurgy
BT1 Reprocessing
BT2 Separation Processes
RT Distillation
RT Refining
RT Volatility

CHLORIDES [01]
DA December 1, 1974
BT1 Chlorine Compounds
BT2 Halogen Compounds
BT1 Halides
BT2 Halogen Compounds
NT1 Actinium Chlorides
NT1 Aluminium Chlorides
NT1 Americium Chlorides
NT1 Ammonium Chlorides
NT1 Antimony Chlorides
NT1 Argon Chlorides
NT1 Arsenic Chlorides
NT1 Astatine Chlorides
NT1 Barium Chlorides
NT1 Berkelium Chlorides
NT1 Beryllium Chlorides
NT1 Bismuth Chlorides
NT1 Boron Chlorides
NT1 Bromine Chlorides
NT1 Cadmium Chlorides
NT1 Calcium Chlorides
NT1 Californium Chlorides
NT1 Cerium Chlorides
NT1 Cesium Chlorides
NT1 Chromium Chlorides
NT1 Cobalt Chlorides
NT1 Copper Chlorides
NT1 Curium Chlorides
NT1 Dysprosium Chlorides
NT1 Einsteinium Chlorides
NT1 Element 104 Chlorides
NT1 Erbium Chlorides
NT1 Europium Chlorides
NT1 Fermium Chlorides
NT1 Francium Chlorides
NT1 Gadolinium Chlorides
NT1 Gallium Chlorides
NT1 Germanium Chlorides
NT1 Gold Chlorides
NT1 Hafnium Chlorides
NT1 Helium Chlorides
NT1 Holmium Chlorides
NT1 Indium Chlorides
NT1 Iodine Chlorides
NT1 Iridium Chlorides
NT1 Iron Chlorides
NT1 Krypton Chlorides
NT1 Lanthanum Chlorides
NT1 Lawrencium Chlorides
NT1 Lead Chlorides
NT1 Lithium Chlorides
NT1 Lutetium Chlorides
NT1 Magnesium Chlorides
NT1 Manganese Chlorides
NT1 Mercury Chlorides
NT1 Methylene Blue
NT1 Molybdenum Chlorides
NT1 Neodymium Chlorides
NT1 Neon Chlorides
NT1 Neptunium Chlorides
NT1 Nickel Chlorides
NT1 Niobium Chlorides
NT1 Nitrogen Chlorides
NT1 Nobelium Chlorides
NT1 Osmium Chlorides
NT1 Palladium Chlorides
NT1 Phosphorus Chlorides
NT1 Platinum Chlorides
NT1 Plutonium Chlorides
NT1 Polonium Chlorides
NT1 Potassium Chlorides
NT1 Praseodymium Chlorides
NT1 Promethium Chlorides
NT1 Protactinium Chlorides
NT1 Radium Chlorides
NT1 Radon Chlorides
NT1 Rhenium Chlorides
NT1 Rhodium Chlorides
NT1 Rubidium Chlorides
NT1 Ruthenium Chlorides
NT1 Samarium Chlorides
NT1 Scandium Chlorides
NT1 Selenium Chlorides
NT1 Silicon Chlorides
NT1 Silver Chlorides
NT1 Sodium Chlorides
NT1 Strontium Chlorides
NT1 Sulfur Chlorides
NT1 Tantalum Chlorides
NT1 Technetium Chlorides
NT1 Tellurium Chlorides
NT1 Terbium Chlorides
NT1 Tetrazolium
NT1 Thallium Chlorides
NT1 Thionyl Chlorides
NT1 Thorium Chlorides
NT1 Thulium Chlorides
NT1 Tin Chlorides
NT1 Titanium Chlorides
NT1 Tungsten Chlorides
NT1 Uranium Chlorides
NT1 Uranyl Chlorides
NT1 Vanadium Chlorides
NT1 Xenon Chlorides
NT1 Ytterbium Chlorides
NT1 Yttrium Chlorides
NT1 Zinc Chlorides
NT1 Zirconium Chlorides
RT Chlorine Additions
RT Hydrochloric Acid
RT Oxychlorides

CHLORIMET [01]
DA December 1, 1974
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Nickel Base Alloys
BT2 Nickel Alloys
BT3 Alloys

CHLORINATED ALICYCLIC HYDROCARBONS
DA February 5, 1975
BT1 Halogenated Alicyclic Hydrocarbons
BT2 Organic Halogen Compounds
BT3 Organic Compounds
BT1 Organic Chlorine Compounds
BT2 Organic Halogen Compounds
BT3 Organic Compounds
NT1 Lindane

CHLORINATED ALIPHATIC HYDROCARBONS [01]
DA February 6, 1975
BT1 Halogenated Aliphatic Hydrocarbons
BT2 Organic Halogen Compounds
BT3 Organic Compounds
BT1 Organic Chlorine Compounds
BT2 Organic Halogen Compounds
BT3 Organic Compounds
NT1 Carbon Tetrachloride
NT1 Chloroform
NT1 Methyl Chloride
NT1 PVC
NT1 Vinyl Chloride
RT Chlorofluorocarbons

CHLORINATED AROMATIC HYDROCARBONS [01]
DA February 5, 1975
BT1 Halogenated Aromatic Hydrocarbons
BT2 Aromatics
BT3 Organic Compounds
BT2 Organic Halogen Compounds
BT3 Organic Compounds
BT1 Organic Chlorine Compounds
BT2 Organic Halogen Compounds
BT3 Organic Compounds
NT1 Aldrin
NT1 Polychlorinated Biphenyls

CHLORINATION [01]
DA December 1, 1974

BT1 Halogenation
BT2 Chemical Reactions
NT1 Sulfochlorination
RT Dechlorination
RT Hichlor Process

CHLORINE [01]
DA December 1, 1974
UF *Chlorine Chlorides*
UF+ *Chlor-Alkali Industry*
BT1 Halogens
BT2 Nonmetals
BT3 Elements

CHLORINE 31 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Chlorine Isotopes
BT2 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

CHLORINE 32 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Chlorine Isotopes
BT2 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CHLORINE 33 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Chlorine Isotopes
BT2 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CHLORINE 34 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Chlorine Isotopes
BT2 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CHLORINE 35 [01]
DA December 1, 1974
BT1 Chlorine Isotopes
BT2 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
RT Chlorine 35 Beams

CHLORINE 35 BEAMS [01]
DA January 21, 1975
BT1 Ion Beams
BT2 Beams
RT Chlorine 35

CHLORINE 35 REACTIONS [01]
DA December 1, 1974
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

CHLORINE 35 TARGET [01]
DA July 9, 1976
BT1 Targets

CHLORINE 36 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Chlorine Isotopes
BT2 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CHLORINE 36 TARGET [01]
DA August 8, 1985
BT1 Targets

CHLORINE 37 [01]
DA December 1, 1974
BT1 Chlorine Isotopes
BT2 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
RT Chlorine 37 Reactions

→**CHLORINE 37 BEAMS [01]**
DA August 30, 1993
BT1 Ion Beams
BT2 Beams

CHLORINE 37 REACTIONS [01]
DA September 11, 1975
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions
RT Chlorine 37

CHLORINE 37 TARGET [01]
DA July 9, 1976
BT1 Targets

CHLORINE 38 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Chlorine Isotopes
BT2 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CHLORINE 39 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Chlorine Isotopes
BT2 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

CHLORINE 39 BEAMS [01]
DA February 24, 1987
BT1 Radioactive Ion Beams
BT2 Ion Beams
BT3 Beams

CHLORINE 40 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Chlorine Isotopes
BT2 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

CHLORINE 41 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Chlorine Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CHLORINE 42 [01]
DA December 1, 1974
BT1 Chlorine Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei

CHLORINE 43 [01]
DA December 15, 1976
BT1 Chlorine Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei

CHLORINE 44 [01]
DA February 19, 1976
BT1 Chlorine Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei

CHLORINE 45 [01]
DA July 3, 1986
BT1 Chlorine Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei

CHLORINE 46 [01]
DA October 16, 1989
BT1 Chlorine Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei

CHLORINE 47 [01]
DA October 16, 1989
BT1 Chlorine Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei

CHLORINE 48 [01]
DA October 16, 1989
BT1 Chlorine Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei

CHLORINE 49 [01]
DA October 16, 1989
BT1 Chlorine Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei

→**CHLORINE 51 [01]**
DA May 16, 1990
BT1 Chlorine Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei

CHLORINE ADDITIONS [01]
DA December 1, 1974
RT Chlorides

Chlorine Bromides
DA December 1, 1974
USE Bromine Chlorides

Chlorine Chlorides
DA December 1, 1974
USE Chlorine

CHLORINE COMPLEXES [01]
DA December 1, 1974
BT1 Complexes

CHLORINE COMPOUNDS [01]
DA December 1, 1974
BT1 Halogen Compounds
NT1 Chlorates
NT1 Chloric Acid
* **NT1** Chlorides
NT1 Chlorine Fluorides
NT1 Chlorine Nitrates
NT1 Chlorine Oxides
NT1 Chlorous Acid
NT1 Hydrochloric Acid
NT1 Hypochlorous Acid
NT1 Oxychlorides
* **NT1** Perchlorates
NT1 Perchloric Acid
RT Organic Chlorine Compounds

CHLORINE FLUORIDES [01]
DA December 1, 1974
UF *Fluorine Chlorides*
BT1 Chlorine Compounds
BT2 Halogen Compounds
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds

Chlorine Iodides
DA December 1, 1974
USE Iodine Chlorides

CHLORINE IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

CHLORINE ISOTOPES [01]
DA December 1, 1974
BT1 Isotopes
NT1 Chlorine 31
NT1 Chlorine 32
NT1 Chlorine 33
NT1 Chlorine 34
NT1 Chlorine 35
NT1 Chlorine 36
NT1 Chlorine 37
NT1 Chlorine 38
NT1 Chlorine 39
NT1 Chlorine 40
NT1 Chlorine 41
NT1 Chlorine 42
NT1 Chlorine 43
NT1 Chlorine 44
NT1 Chlorine 45
NT1 Chlorine 46
NT1 Chlorine 47
NT1 Chlorine 48
NT1 Chlorine 49
NT1 Chlorine 51

Chlorine Logs
DA March 27, 1979
USE Neutron-Gamma Logging

CHLORINE NITRATES [01]
DA October 24, 1989
BT1 Chlorine Compounds
BT2 Halogen Compounds
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds

CHLORINE OXIDES [01]
DA December 1, 1974
BT1 Chlorine Compounds
BT2 Halogen Compounds
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds
RT Oxychlorides

CHLORINS [01]
DA July 18, 1981
BT1 Porphyrins
BT2 Heterocyclic Acids
BT3 Carboxylic Acids
BT4 Organic Acids
BT5 Organic Compounds
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
RT Cytochromes

CHLORITE MINERALS [01]
DA December 1, 1974
BT1 Silicate Minerals
BT2 Minerals
DEF A group of platy, monoclinic, usually greenish minerals of the general formula: $(Mg,Fe^{+2},Fe^{+3})_5AlSi_3O_{10}(OH)_8$.

Chlormerodrin
DA April 20, 1981
USE Neohydrin

2-Chloro-1,3-Butadiene
DA December 1, 1974
USE Neoprene

Chlorobutadiene
DA December 1, 1974
USE Neoprene

→**CHLOROFLUOROCARBONS [01]**
DA April 1, 1992
UF *CFC*
BT1 Organic Chlorine Compounds
BT2 Organic Halogen Compounds
BT3 Organic Compounds
BT1 Organic Fluorine Compounds
BT2 Organic Halogen Compounds
BT3 Organic Compounds
RT Chlorinated Aliphatic Hydrocarbons
RT Fluorinated Aliphatic Hydrocarbons
RT Freons
RT Greenhouse Gases
RT Ozone Layer
RT Refrigerants

CHLOROFORM [01]
DA December 1, 1974
UF *Trichloromethane*
BT1 Chlorinated Aliphatic Hydrocarbons
BT2 Halogenated Aliphatic Hydrocarbons
BT3 Organic Halogen Compounds
BT4 Organic Compounds
BT2 Organic Chlorine Compounds
BT3 Organic Halogen Compounds
BT4 Organic Compounds
RT Anesthetics
RT Organic Solvents

CHLOROPHYCOTA [01]
DA December 20, 1988
BT1 Algae
BT2 Plants
NT1 Acetabularia
NT1 Chlamydomonas
NT1 Chlorella
NT1 Nitella
NT1 Scenedesmus

CHLOROPHYLL [01]
DA December 1, 1974
BT1 Phytochromes
BT2 Pigments
BT2 Proteins
BT3 Organic Compounds
BT1 Porphyrins
BT2 Heterocyclic Acids
BT3 Carboxylic Acids
BT4 Organic Acids
BT5 Organic Compounds
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
RT Chlorophyll-Binding Proteins
RT Chloroplasts
RT Chlorosis
RT Leaves
RT Photosynthesis
RT Photosynthetic Reaction Centers
RT Plants

CHLOROPHYLL-BINDING PROTEINS
DA November 20, 1986
BT1 Photosynthetic Reaction Centers
BT1 Proteins
BT2 Organic Compounds
RT Chlorophyll
RT Photosynthetic Membranes

CHLOROPLASTS [01]
DA December 1, 1974
BT1 Cell Constituents
RT C4 Species
RT Calvin Cycle Species
RT Chlorophyll
RT Photosynthesis
RT Plant Cells
RT Ribulose Diphosphate Carboxylase

Chloroprene
DA December 1, 1974
USE Neoprene

CHLOROSIS [01]
DA November 19, 1985
BT1 Pathological Changes
RT Chlorophyll
RT Leaves
RT Plant Diseases
RT Plant Tissues
RT Symptoms

CHLOROTHIAZIDE [01]
DA December 1, 1974
BT1 Diuretics
BT2 Drugs

CHLOROURACILS [01]
DA November 8, 1982
BT1 Organic Chlorine Compounds
BT2 Organic Halogen Compounds
BT3 Organic Compounds
BT1 Uracils
BT2 Hydroxy Compounds
BT3 Organic Compounds
BT2 Pyrimidines
BT3 Azines
BT4 Heterocyclic Compounds
BT5 Organic Compounds
BT4 Organic Nitrogen Compounds
BT5 Organic Compounds

CHLOROUS ACID [01]
DA December 1, 1974
BT1 Chlorine Compounds
BT2 Halogen Compounds
BT1 Inorganic Acids
BT2 Hydrogen Compounds
BT1 Oxygen Compounds

CHLORPROMAZINE [01]
DA December 1, 1974
BT1 Amines
BT2 Organic Compounds
BT1 Hypnotics and Sedatives
BT2 Central Nervous System Depressants
BT3 Drugs
BT1 Organic Chlorine Compounds
BT2 Organic Halogen Compounds
BT3 Organic Compounds
BT1 Phenothiazines
BT2 Azines
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
BT2 Organic Sulfur Compounds
BT3 Organic Compounds
BT1 Tranquilizers
BT2 Psychotropic Drugs
BT3 Central Nervous System Agents
BT4 Drugs

CHLORTETRACYCLINE [01]
DA December 1, 1974
BT1 Tetracyclines
BT2 Antibiotics
BT3 Anti-Infective Agents
BT4 Drugs

CHO CELLS [01]
DA September 15, 1983
UF *Chinese Hamster Ovary Cells*
BT1 Animal Cells
RT Cell Cultures

CHOLANTHRENE [01]
DA December 1, 1974
BT1 Condensed Aromatics
BT2 Aromatics
BT3 Organic Compounds

CHOLECALCIFEROL [01]
DA December 1, 1974
UF *Vitamin D-3*
BT1 Vitamin D
BT2 Vitamins

CHOLERA [01]
DA December 1, 1974
BT1 Bacterial Diseases
BT2 Infectious Diseases
BT3 Diseases

CHOLESTEROL [01]
DA December 1, 1974
BT1 Sterols
BT2 Hydroxy Compounds
BT3 Organic Compounds
BT2 Steroids
BT3 Organic Compounds
RT Lanolin
RT Lipids
RT Myelin

CHOLIC ACID [01]
DA December 1, 1974
BT1 Bile Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT2 Sterols
BT3 Hydroxy Compounds
BT4 Organic Compounds
BT3 Steroids
BT4 Organic Compounds

CHOLINE [01]
DA December 1, 1974
BT1 Alcohols
BT2 Hydroxy Compounds
BT3 Organic Compounds
BT1 Lipotropic Factors
BT2 Drugs
BT1 Quaternary Compounds
BT2 Amines
BT3 Organic Compounds
BT2 Ammonium Compounds
RT Acetylcholine
RT Lecithins
RT Lipids

CHOLINESTERASE [01]
(Code number 3.1.1.7 and 3.1.1.8.)
DA December 1, 1974
BT1 Carboxylesterases
BT2 Esterases
BT3 Hydrolases
BT4 Enzymes
BT5 Proteins
BT6 Organic Compounds
RT Acetylcholine

CHONDRITES [01]
DA December 1, 1974
BT1 Stone Meteorites
BT2 Meteorites

CHONDROITIN [01]
DA December 1, 1974
BT1 Mucopolysaccharides
BT2 Amines
BT3 Organic Compounds
BT2 Polysaccharides
BT3 Saccharides
BT4 Carbohydrates
BT5 Organic Compounds
RT Mucoproteins

Chondrosarcomas
DA December 1, 1974
USE Sarcomas
AND Skeletal Diseases

Chooz B-1 Reactor
DA September 5, 1984
USE Ardennes B-1 Reactor

Chooz Reactor
DA December 1, 1974
USE Ardennes Reactor

Choppers (Beam)
DA May 3, 1979
USE Beam Pulsers

Choppers (Neutron)
DA December 1, 1974
USE Neutron Choppers

Chordates
DA June 15, 1981
USE Vertebrates

Chorioallantoic Membrane
DA December 1, 1974
USE Fetal Membranes

Choroid
DA December 1, 1974
USE Uvea

Christmas Trees
DA February 21, 1986
USE Wellheads

CHROMATES [01]
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
DA December 1, 1974
BT1 Chromium Compounds
BT2 Transition Element Compounds
BT1 Oxygen Compounds
RT Chromic Acid
RT Chromium Oxides

CHROMATIC ABERRATIONS [01]
DA December 1, 1974
RT Beam Optics

Chromatid Deletions
DA December 1, 1974
USE Chromosomal Aberrations

CHROMATIDS [01]
DA December 1, 1974
RT Chromatin
RT Chromosomes
RT Sister Chromatid Exchanges

CHROMATIN [01]
DA December 1, 1974
NT1 Heterochromatin
NT1 Nucleosomes
NT1 Sex Chromatin
RT Achromatic Lesions
RT Cell Nuclei
RT Chromatids
RT Chromosomes

Chromatographic Columns
DA May 10, 1984
USE Extraction Columns

CHROMATOGRAPHY [01]
DA December 1, 1974
UF *Paper Chromatography*
UF *Partition Chromatography*
BT1 Separation Processes
NT1 Extraction Chromatography
NT1 Gas Chromatography
NT1 Gel Permeation Chromatography
NT1 Ion Exchange Chromatography
NT1 Liquid Column Chromatography
NT1 Radiochromatography
NT1 Supercritical Fluid Chromatography
NT1 Thermochromatography
NT1 Thin-Layer Chromatography
RT Counter Current

Chrome Violet
DA December 1, 1974
USE Aluminon

CHROMEL [01]
DA December 1, 1974
BT1 Nickel Base Alloys
BT2 Nickel Alloys
BT3 Alloys
NT1 Alloy-Ni60Fe24Cr16
NT2 Nichrome
NT1 Alloy-Ni80Cr20
NT1 Alloy-Ni85Cr15

CHROMIC ACID [01]
DA December 1, 1974
BT1 Chromium Compounds
BT2 Transition Element Compounds
BT1 Inorganic Acids
BT2 Hydrogen Compounds
BT1 Oxygen Compounds

RT Chromates
RT Chromium Oxides

CHROMIUM [01]
DA December 1, 1974
BT1 Transition Elements
BT2 Metals
BT3 Elements
RT Refractory Metals

CHROMIUM 42 [01]
DA December 2, 1988
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Chromium Isotopes
BT2 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei

CHROMIUM 43 [01]
DA December 1, 1974
BT1 Chromium Isotopes
BT2 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei

CHROMIUM 44 [01]
DA December 1, 1974
BT1 Chromium Isotopes
BT2 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei

CHROMIUM 45 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Chromium Isotopes
BT2 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CHROMIUM 46 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Chromium Isotopes
BT2 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CHROMIUM 47 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Chromium Isotopes
BT2 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CHROMIUM 48 [01]
DA December 1, 1974
BT1 Chromium Isotopes
BT2 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei

CHROMIUM 49 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Chromium Isotopes
BT2 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CHROMIUM 50 [01]
DA December 1, 1974
BT1 Chromium Isotopes
BT2 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

CHROMIUM 50 TARGET [01]
DA July 9, 1976
BT1 Targets

CHROMIUM 51 [01]
DA December 1, 1974
BT1 Chromium Isotopes
BT2 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei

CHROMIUM 52 [01]
DA December 1, 1974
BT1 Chromium Isotopes
BT2 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

CHROMIUM 52 REACTIONS [01]
DA June 2, 1977
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

CHROMIUM 52 TARGET [01]
DA July 9, 1976
BT1 Targets

CHROMIUM 53 [01]
DA December 1, 1974
BT1 Chromium Isotopes
BT2 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

CHROMIUM 53 TARGET [01]
DA July 9, 1976
BT1 Targets

CHROMIUM 54 [01]
DA December 1, 1974
BT1 Chromium Isotopes
BT2 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

CHROMIUM 54 REACTIONS [01]
DA April 28, 1978
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

CHROMIUM 54 TARGET [01]
DA July 9, 1976
BT1 Targets

CHROMIUM 55 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Chromium Isotopes
BT2 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CHROMIUM 56 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Chromium Isotopes
BT2 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CHROMIUM 56 TARGET [01]
DA August 4, 1981
BT1 Targets

CHROMIUM 57 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Chromium Isotopes
BT2 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CHROMIUM 58 [01]
DA December 1, 1974

BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Chromium Isotopes
BT2 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CHROMIUM 59 [01]
DA November 24, 1980
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Chromium Isotopes
BT2 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CHROMIUM 60 [01]
DA January 30, 1981
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Chromium Isotopes
BT2 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CHROMIUM 61 [01]
DA September 5, 1986
BT1 Chromium Isotopes
BT2 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei

CHROMIUM 62 [01]
DA September 5, 1986
BT1 Chromium Isotopes
BT2 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei

CHROMIUM ADDITIONS [01]
DA December 1, 1974
BT1 Chromium Alloys
BT2 Alloys
NT1 Alloy-Ni65Mo28Fe5
NT2 Hastelloy B
NT1 Alloy-Zr98Sn-2
NT2 Zircaloy 2
NT1 Alloy-Zr98Sn-4
NT2 Zircaloy 4
NT1 Steel-CrMo
NT1 Steel-CrNi
NT1 Steel-MnCuMo
NT2 Steel-ASTM-A537
NT1 Steel-Ni3Cr
NT1 Steel-NiCr
NT1 Steel-NiCrMo
NT1 Steel-NiMoCr

CHROMIUM ALLOYS [01]
DA December 1, 1974
UF *Alloy-50Kh4N6G12F2V*
SF *Alloy-0KH12N13M*
SF *Steel-60Kh3G8N8V*
BT1 Alloys
NT1 Alloy-B-1900
NT1 Alloy-Co36Cr22Ni22W15Fe3
NT2 Haynes 188 Alloy
NT1 Alloy-Co43Cr20Fe18Ni13W3
NT2 HAVAR
NT1 Alloy-Co52Cr17Fe15Mo3Si3
NT2 Tribaloy 800
NT1 Alloy-Co54Cr20W15Ni10
NT2 Alloy-HS-25
NT2 Haynes 25 Alloy
NT1 Alloy-Co60Cr30W4
NT2 Haynes Stellite 6B
NT2 Stellite 6
NT1 Alloy-Co62Cr28Mo6Ni3
NT2 Alloy-HS-21
NT2 Haynes Stellite No 21
NT1 Alloy-Co64Cr29W4
NT2 Stellite 156
NT1 Alloy-Co66Cr26W6
NT2 Deloro Stellite 6
NT1 Alloy-D-979
NT1 Alloy-Fe31Cr21Co20Ni20Mo3W2
NT2 Alloy-HD-556
NT2 Alloy-N-155
NT1 Alloy-Fe36Ni33Cr26
NT1 Alloy-Fe40Ni35Cr22
NT1 Alloy-Fe44Ni33Cr21
NT2 Incoloy 800H
NT1 Alloy-Fe46Ni33Cr21
NT2 Incoloy 800
NT2 Incoloy 802
NT2 Sanicro 30
NT1 Alloy-Fe48Cr24Ni24
NT2 Alloy-IN-519
NT1 Alloy-IN-102
NT1 Alloy-KhN50MBVYu
NT1 Alloy-Mar-M246
NT1 Alloy-MN-21
NT1 Alloy-Mo-Re-1
NT1 Alloy-MP35N
NT1 Alloy-Ni41Fe40Cr16Nb3
NT2 Inconel 706
NT1 Alloy-Ni42Fe36Cr12Mo6Ti3
NT2 Incoloy 901
NT1 Alloy-Ni43Fe30Cr22Mo3
NT2 Incoloy 825
NT1 Alloy-Ni43Fe33Cr16Mo3
NT2 Nimonic PE16
NT1 Alloy-Ni45Cr23Fe19Co3Mo3W3
NT1 Alloy-Ni45Fe34Cr20
NT1 Alloy-Ni46Cr23Co19Ti5Al4
NT2 Alloy-IN-939
NT1 Alloy-Ni47Cr25Co12W9Fe3
NT2 Alloy-IN-643
NT2 Inconel 643
NT1 Alloy-Ni48Co28Cr15Al3Mo3Ti2
NT2 Inconel 700
NT1 Alloy-Ni48Cr22Fe18Mo9
NT2 Nimonic PE13
NT1 Alloy-Ni49Cr22Fe18Mo9
NT2 Hastelloy X
NT1 Alloy-Ni50Co20Cr15Al5Mo5
NT2 Nimonic 105
NT1 Alloy-Ni50Cr22Fe18Mo9
NT2 Hastelloy XR
NT1 Alloy-Ni50Mo32Cr15Si3
NT2 Tribaloy 700
NT1 Alloy-Ni51Cr48
NT2 Inconel 671
NT1 Alloy-Ni53Co19Cr15Mo5Al4Ti3
NT2 Udimet 700
NT1 Alloy-Ni53Cr19Fe19Nb5Mo3
NT2 Inconel 718
NT1 Alloy-Ni54Cr22Co13Mo9
NT2 Inconel 617
NT1 Alloy-Ni54Mo17Cr16Fe6W4
NT2 Hastelloy C
NT1 Alloy-Ni55Co17Cr15Mo5Al4Ti4
NT2 Astroloy
NT1 Alloy-Ni55Cr19Co11Mo10Ti3
NT2 Rene 41
NT1 Alloy-Ni56Cr21W10Mo5Fe4Al2
NT1 Alloy-Ni58Cr14Co8Al4Mo4Nb4W4
NT2 Rene 95
NT1 Alloy-Ni58Cr20Co14Mo4Ti3
NT2 Waspaloy
NT1 Alloy-Ni59Cr20Co17Ti2
NT2 Nimonic 90
NT1 Alloy-Ni59Cr30Fe9
NT2 Inconel 690
NT1 Alloy-Ni60Co15Cr10Al6Ti5Mo3
NT2 Alloy-IN-100
NT1 Alloy-Ni60Cr14Co10Ti5Mo4W4Al3
NT2 Rene 80
NT1 Alloy-Ni60Cr25W15
NT1 Alloy-Ni60Fe24Cr16
NT2 Nichrome
NT1 Alloy-Ni60Mo13Co9Cr8Nb4Al3
NT1 Alloy-Ni61Cr16Co9Al3Ti3W3
NT2 Alloy-IN-738
NT1 Alloy-Ni61Cr22Mo9Nb4Fe3
NT2 Inconel 625
NT1 Alloy-Ni61Cr23Fe14
NT1 Alloy-Ni62Cr16Mo15Fe3
NT2 Hastelloy S
NT1 Alloy-Ni65Cr25Mo10
NT2 Nimonic 86
NT1 Alloy-Ni65Mo16Cr15W4
NT1 Alloy-Ni67Cr19Mo5W5Ti3
NT1 Alloy-Ni68Cr15W6Al3Mo3Fe2
NT1 Alloy-Ni70Mo17Cr7Fe5
NT2 Hastelloy N
NT2 Inor-8
NT1 Alloy-Ni73Cr15Fe7Ti3
NT2 Inconel X750
NT1 Alloy-Ni73Cr20Mn3Nb3
NT2 Inconel 82
NT1 Alloy-Ni74Cr13Al6Mo4
NT2 Inconel 713C
NT1 Alloy-Ni75Cr12Al6Mo5
NT2 Inconel 713LC
NT1 Alloy-Ni76Cr15Fe8
NT2 Inconel 600
NT1 Alloy-Ni76Cr20Ti2
NT2 Nimonic 80A
NT1 Alloy-Ni77Cr17Al5
NT1 Alloy-Ni77Cr20Ti2
NT1 Alloy-Ni78Cr16Al4
NT2 Inconel 702
NT1 Alloy-Ni78Cr21
NT1 Alloy-Ni80Cr20
NT1 Alloy-Ni85Cr15
NT1 Alloy-RA-333
NT1 Alloy-S-590
NT1 Alloy-S-816
NT1 Alloy-Ti78Cr11Mo7Al3
NT1 Alloy-Ti88Mo8Al3
NT1 Alloy-Ti91Al5Cr2
NT1 Alloy-V-36
NT1 Alloy-V87Cr9Fe3
NT2 Vanstar 7
NT1 Ascoloy
NT1 Astroloy
* **NT1** Chromium Additions
NT1 Chromium Base Alloys
NT2 Alloy-Mo-Re-2
NT2 HAVAR
* **NT1** Chromium-Nickel Steels
* **NT1** Chromium Steels
NT1 Colmonoy
NT1 Discaloy
NT1 GE 2541
NT1 Haynes 25 Alloy
NT1 Haynes 188 Alloy
NT1 Haynes Stellite No 21
NT1 Hoskins 875
NT1 Illium
NT1 Inor-8
NT1 Kanthal
NT1 Konel
NT1 Magnesium Alloy-ZR
NT1 Manaurite 36X
NT1 Manaurite 900
NT1 Misco Metal
NT1 Ni-Hard
NT1 Ni-O-Nel
NT1 Nickel-Chromium Steels
NT2 Alloy-D-9
NT2 Sweetalloy
NT1 Nicrobraz 50
NT1 Nimonic 115
NT1 Refractaloy
NT1 Rene 41
NT1 Rene 80
NT1 Rene 95
NT1 Rene-100
NT1 Rezistal
NT1 Sichromal Alloys
NT1 Sicromo 9M
NT1 Steel-40K14G18F
NT1 Steel-CD-4MCu
NT1 Steel-Cr2Mo
NT2 Steel-10Cd9-10
NT2 Steel-ASTM-A542
NT1 Steel-Cr2MoNiNb

NT1 Steel-Cr2MoV
NT1 Steel-Cr2NiMoV
NT1 Steel-Cr5Mo
NT1 Steel-Cr17Mn15NNi
NT2 Tenelon
NT1 Steel-Cr21Mn9Ni6
NT2 Stainless Steel-21-6-9
NT1 Steel-CrAlNiMo
NT1 Steel-CrMoV
NT1 Steel-Ni3CrMo
NT2 Steel-ASTM-A543
NT1 Steel-Ni3CrMoV
NT1 Steel-Ni4CrW
NT1 Supertherm
NT1 TD-Nickel Chromium
NT1 Tophet
NT1 Tribaloy 400
NT1 Udimet Alloys
NT2 Udimet 500
NT2 Udimet 700
NT1 Vanstar 7
NT1 Vitallium
NT1 Waspaloy

CHROMIUM BASE ALLOYS [01]
DA December 1, 1974
BT1 Chromium Alloys
BT2 Alloys
NT1 Alloy-Mo-Re-2
NT1 HAVAR

CHROMIUM BORIDES [01]
DA December 1, 1974
BT1 Borides
BT2 Boron Compounds
BT1 Chromium Compounds
BT2 Transition Element Compounds

CHROMIUM BROMIDES [01]
DA December 1, 1974
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Chromium Compounds
BT2 Transition Element Compounds

CHROMIUM CARBIDES [01]
DA December 1, 1974
BT1 Carbides
BT2 Carbon Compounds
BT1 Chromium Compounds
BT2 Transition Element Compounds

CHROMIUM CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Chromium Compounds
BT2 Transition Element Compounds

CHROMIUM COMPLEXES [01]
DA December 1, 1974
BT1 Transition Element Complexes
BT2 Complexes

CHROMIUM COMPOUNDS [01]
DA December 1, 1974
BT1 Transition Element Compounds
NT1 Chromates
NT1 Chromic Acid
NT1 Chromium Borides
NT1 Chromium Bromides
NT1 Chromium Carbides
NT1 Chromium Chlorides
NT1 Chromium Fluorides
NT1 Chromium Hydrides
NT1 Chromium Hydroxides
NT1 Chromium Iodides
NT1 Chromium Nitrates
NT1 Chromium Nitrides
NT1 Chromium Oxides
NT1 Chromium Perchlorates
NT1 Chromium Phosphates
NT1 Chromium Selenides
NT1 Chromium Silicates
NT1 Chromium Silicides
NT1 Chromium Sulfates
NT1 Chromium Sulfides
NT1 Chromium Tellurides
NT1 Dichromates

CHROMIUM FLUORIDES [01]
DA December 1, 1974
BT1 Chromium Compounds
BT2 Transition Element Compounds
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds

CHROMIUM HYDRIDES [01]
DA January 21, 1975
BT1 Chromium Compounds
BT2 Transition Element Compounds
BT1 Hydrides
BT2 Hydrogen Compounds

CHROMIUM HYDROXIDES [01]
DA December 1, 1974
BT1 Chromium Compounds
BT2 Transition Element Compounds
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds

CHROMIUM IODIDES [01]
DA December 1, 1974
BT1 Chromium Compounds
BT2 Transition Element Compounds
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds

CHROMIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

CHROMIUM ISOTOPES [01]
DA December 1, 1974
BT1 Isotopes
NT1 Chromium 42
NT1 Chromium 43
NT1 Chromium 44
NT1 Chromium 45
NT1 Chromium 46
NT1 Chromium 47
NT1 Chromium 48
NT1 Chromium 49
NT1 Chromium 50
NT1 Chromium 51
NT1 Chromium 52
NT1 Chromium 53
NT1 Chromium 54
NT1 Chromium 55
NT1 Chromium 56
NT1 Chromium 57
NT1 Chromium 58
NT1 Chromium 59
NT1 Chromium 60
NT1 Chromium 61
NT1 Chromium 62

CHROMIUM-MOLYBDENUM STEELS [01]
DA December 1, 1974
UF *Steel-2Kh8V8M2K8*
UF *Steel-15KhG2SFMR*
UF *Steel-20KhMF*
UF *Steel-38Kh5MSFA*
UF *Steel-Z10CdV7*
NT1 Steel Kh16N9M2
DEF Steels containing Cr and Mo as main alloying elements; the Cr content is higher than Mo content.

CHROMIUM-NICKEL-MOLYBDENUM STEELS [01]
DA December 16, 1988
UF *Steel-42Kh2GSNM*
UF *Steel-EhP699*
UF *Steel-Kh14K9N6M5*
UF *Steel-Kh15N20M2T2*
UF *Steel-Kh17N5M3*
BT1 Chromium-Nickel Steels
BT2 Chromium Alloys
BT3 Alloys
BT2 Nickel Alloys
BT3 Alloys
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
NT1 Steel-Cr11Ni10Mo2Ti-L
NT1 Steel-Cr13Ni6Mo-L
NT1 Steel-Cr15Ni15MoTiB
NT1 Steel-Cr16Ni8Mo2
NT1 Steel-Cr16Ni13MoNbV
NT1 Steel-Cr16Ni15Mo3Nb
NT1 Steel-Cr16Ni16MoNb
NT1 Steel-Cr17Ni12Mo3
NT2 Stainless Steel-316
NT1 Steel-Cr17Ni12Mo3-L
NT2 Stainless Steel-316L
NT1 Steel-Cr17Ni12MoNb
NT1 Steel-Cr17Ni13Mo2Ti
NT1 Steel-Cr17Ni13Mo3Ti
NT1 Steel-Ni17Cr14MoTi-L

CHROMIUM-NICKEL STEELS [01]
DA December 1, 1974
UF *Stainless Steel-Z2CN18-10N*
UF *Stainless Steel-Z3CMN18-8-6N*
UF *Stainless Steel-Z3CND18-13*
UF *Stainless Steel-Z6CND17-13B*
UF *Stainless Steel-Z6CNDT17-13B*
UF *Stainless Steel-Z6CNT18-12B*
UF *Steel-0Kh19NT*
UF *Steel-1Kh16N4B*
UF *Steel-1Kh16N14V2BR EhP17*
UF *Steel-2Kh18N8V2*
UF *Steel-3Kh15N13Yu3*
UF *Steel-4Kh12N8G8MFB*
UF *Steel-4Kh14NV2M*
UF *Steel-03Kh11N10M2TK6*
UF *Steel-18Kh16N6*
UF *Steel-20Kh2N2M*
UF *Steel-20KhN3MF*
UF *Steel-000Kh18N13*
UF *Steel-000Kh20N16AG6*
UF *Steel-DIN-1-4449*
UF *Steel-Kh14N8YuM2*
UF *Steel-Kh15N7YuM2*
UF *Steel-Kh15N9Yu*
UF *Steel-Kh18N8*
BT1 Chromium Alloys
BT2 Alloys
BT1 Nickel Alloys
BT2 Alloys
BT1 Stainless Steels
BT2 High Alloy Steels
BT3 Steels
BT4 Iron Base Alloys
BT5 Iron Alloys
BT6 Alloys
NT1 Carpenter
* NT1 Chromium-Nickel-Molybdenum Steels
NT1 Durco
NT1 Enduro
NT1 Stainless Steel-17-7PH
NT1 Stainless Steel-303
NT1 Stainless Steel-329
NT1 Stainless Steel-PH-15-7-Mo
NT1 Stainless Steel-ZCND17-13
NT1 Steel-Cr13Mn8Ni8
NT1 Steel-Cr17Ni7
NT2 Stainless Steel-301
NT1 Steel-Cr17Ni13
NT1 Steel-Cr18Ni8
NT2 Stainless Steel-18-8
NT1 Steel-Cr18Ni9
NT2 Stainless Steel-302
NT1 Steel-Cr18Ni9Ti
NT1 Steel-Cr18Ni10
NT2 Stainless Steel-18-10
NT1 Steel-Cr18Ni10-L
NT2 Stainless Steel-Z2CN18-10
NT1 Steel-Cr18Ni10Ti
NT2 Stainless Steel-321
NT1 Steel-Cr18Ni11
NT2 Steel-X6CrNi1811
NT1 Steel-Cr18Ni11Nb
NT2 Stainless Steel-347
NT1 Steel-Cr18Ni11NbCo
NT2 Stainless Steel-348

NT1 Steel-Cr18Ni12
NT2 Stainless Steel-305
NT1 Steel-Cr18Ni12Ti
NT1 Steel-Cr19Ni10
NT2 Stainless Steel-304
NT1 Steel-Cr19Ni10-L
NT2 Stainless Steel-304L
NT1 Steel-Cr20Ni11
NT2 Stainless Steel-308
NT1 Steel-Cr20Ni11-L
NT2 Stainless Steel-308L
NT1 Steel-Cr23Ni14
NT2 Stainless Steel-309
NT2 Stainless Steel-309S
NT1 Steel-Cr23Ni18
NT1 Steel-Cr25Ni20
NT2 Alloy-HK-40
NT2 Stainless Steel-310
NT1 Steel Kh16N9M2
NT1 Steel-Ni25Cr20
NT2 Stainless Steel-20-25
NT1 Steel-Ni36Cr12Ti3Al-L
NT1 Steel-Ni36Cr18
NT2 Stainless Steel-330
NT1 Timken Alloys
RT Nickel-Chromium Steels
DEF Steels containing Cr and Ni as main alloying elements; the Cr content is higher than Ni content.

CHROMIUM NITRATES [01]
DA December 1, 1974
BT1 Chromium Compounds
BT2 Transition Element Compounds
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds

CHROMIUM NITRIDES [01]
DA December 1, 1974
BT1 Chromium Compounds
BT2 Transition Element Compounds
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides

CHROMIUM ORES [01]
DA December 1, 1974
BT1 Ores

CHROMIUM OXIDES [01]
DA December 1, 1974
UF+ *Lanthanum Chromites*
BT1 Chromium Compounds
BT2 Transition Element Compounds
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds
RT Black Chrome
RT Chromates
RT Chromic Acid
RT Dichromates

CHROMIUM PERCHLORATES [01]
DA April 12, 1977
BT1 Chromium Compounds
BT2 Transition Element Compounds
BT1 Perchlorates
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Oxygen Compounds

CHROMIUM PHOSPHATES [01]
DA December 1, 1974
BT1 Chromium Compounds
BT2 Transition Element Compounds
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds

CHROMIUM SELENIDES [01]
DA August 24, 1976
BT1 Chromium Compounds
BT2 Transition Element Compounds
BT1 Selenides
BT2 Chalcogenides
BT2 Selenium Compounds

CHROMIUM SILICATES [01]
DA December 1, 1974
BT1 Chromium Compounds
BT2 Transition Element Compounds
BT1 Silicates
BT2 Oxygen Compounds
BT2 Silicon Compounds

CHROMIUM SILICIDES [01]
DA January 21, 1975
BT1 Chromium Compounds
BT2 Transition Element Compounds
BT1 Silicides
BT2 Silicon Compounds

CHROMIUM STEELS [01]
DA December 1, 1974
UF *Steel-1Kh12V2MF*
UF *Steel-9KhS*
UF *Steel-Kh13S2Yu2BT*
UF *Steel-R18*
BT1 Chromium Alloys
BT2 Alloys
BT1 Stainless Steels
BT2 High Alloy Steels
BT3 Steels
BT4 Iron Base Alloys
BT5 Iron Alloys
BT6 Alloys
NT1 Crocar
NT1 Magnet Steel-KS
NT1 Miduale
NT1 Stainless Steel-406
NT1 Stainless Steel-416
NT1 Steel-Cr9Mo
NT1 Steel-Cr9MoNbV
NT2 Steel-Z10CdNBV9
NT1 Steel-Cr10Mo2
NT1 Steel-Cr12
NT2 Stainless Steel-403
NT1 Steel-Cr12MoNiV
NT1 Steel-Cr12MoV
NT2 Alloy-HT-9
NT1 Steel-Cr13
NT2 Stainless Steel-410
NT1 Steel-Cr13Al
NT2 Stainless Steel-405
NT1 Steel-Cr16
NT2 Stainless Steel-430
NT1 Steel-Cr16Ni
NT2 Stainless Steel-431
NT1 Steel-Cr17Cu4Ni4Nb-L
NT1 Steel-Cr17Mo
NT2 Stainless Steel-440
NT1 Steel-Cr17Ni4Cu4Nb-L
NT1 Steel-Cr17Ni4Mo3
NT2 Stainless Steel-AM-350
NT1 Steel-Cr18
NT1 Steel-Cr21Ni5Ti
NT1 Steel-Cr22Ni5Ti
NT1 Steel-Cr25
NT2 Stainless Steel-446
NT1 Steel-Cr26Ni5Mo-L
NT2 Stainless Steel-44LN
DEF Steels containing Cr as main alloying element.

CHROMIUM SULFATES [01]
DA December 1, 1974
BT1 Chromium Compounds
BT2 Transition Element Compounds
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds

CHROMIUM SULFIDES [01]
DA December 1, 1974
BT1 Chromium Compounds
BT2 Transition Element Compounds
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds

CHROMIUM TELLURIDES [01]
DA June 14, 1978
BT1 Chromium Compounds
BT2 Transition Element Compounds
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds

Chromizing
DA December 1, 1974
USE Diffusion Coating

Chromodynamics
DA November 28, 1977
USE Quantum Chromodynamics

CHROMONE
DA October 23, 1979
BT1 Pyrones
BT2 Pyrans
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Oxygen Compounds
BT4 Organic Compounds

CHROMOPHYCOTA [01]
DA December 20, 1988
BT1 Algae
BT2 Plants
NT1 Diatoms
NT1 Fucus
NT1 Laminaria

CHROMOSOMAL ABERRATIONS [01]
DA December 1, 1974
UF *Abnormalities (Chromosomal)*
UF *Chromatid Deletions*
UF *Chromosome Aberrations*
UF *Chromosome Exchanges*
UF *Chromosome Fragments*
UF *Deletions (Chromosomal)*
UF *Reciprocal Translocations*
BT1 Mutations
NT1 Chromosome Breakage
NT1 Sister Chromatid Exchanges
RT Acrocentric Chromosomes
RT Banding Techniques
RT Biological Indicators
RT Chromosomes
RT Dicentric Chromosomes
RT Downs Syndrome
RT Genetic Control
RT Hereditary Diseases
RT Heterochromosomes
RT Karyotype

Chromosome Aberrations
DA December 1, 1974
USE Chromosomal Aberrations

CHROMOSOME BREAKAGE [01]
DA December 1, 1974
BT1 Chromosomal Aberrations
BT2 Mutations
RT Heterochromatin

Chromosome Exchanges
DA December 1, 1974
USE Chromosomal Aberrations

Chromosome Fragments
DA December 1, 1974
USE Chromosomal Aberrations

CHROMOSOME LOSSES [01]
DA June 7, 1976
BT1 Losses
RT Chromosomes
RT Genetic Radiation Effects

CHROMOSOME SORTING [01]
DA April 24, 1987
RT Cell Flow Systems
RT Chromosomes
DEF The physical separation of a karyotype to provide large quantities of an individual chromosome.

CHROMOSOMES [01]
DA December 1, 1974
NT1 Acrocentric Chromosomes
NT1 Dicentric Chromosomes
NT1 Heterochromosomes
NT2 X Chromosome
NT3 Human X Chromosome
NT2 Y Chromosome
NT3 Human Y Chromosome
NT1 Human Chromosomes
NT2 Human Chromosome 2
NT2 Human Chromosome 3
NT2 Human Chromosome 5
NT2 Human Chromosome 8
NT2 Human Chromosome 12

NT2 Human Chromosome 14
NT2 Human Chromosome 16
NT2 Human Chromosome 17
NT2 Human Chromosome 18
NT2 Human Chromosome 19
NT2 Human Chromosome 21
NT2 Human Chromosome 22
NT2 Human X Chromosome
NT2 Human Y Chromosome
NT1 Philadelphia Chromosome
NT1 Ring Chromosomes
RT Banding Techniques
RT Cell Nuclei
RT Chromatids
RT Chromatin
RT Chromosomal Aberrations
RT Chromosome Losses
RT Chromosome Sorting
RT Crossing-Over
RT DNA
RT DNA Repair
RT Gene Operons
RT Gene Regulation
RT Genes
RT Genetic Effects
RT Genetic Mapping
RT Karyotype
RT Mitosis
RT Nucleoli
RT RFLPS

CHROMOSPHERE [01]
DA December 1, 1974
BT1 Solar Atmosphere
BT2 Atmospheres
RT Photosphere
RT Plages
RT Sun

CHROMOTROPIC ACID [01]
DA December 1, 1974
BT1 Hydroxy Compounds
BT2 Organic Compounds
BT1 Sulfonic Acids
BT2 Organic Acids
BT3 Organic Compounds
BT2 Organic Sulfur Compounds
BT3 Organic Compounds
RT Dyes

Chronic Administration
DA December 1, 1974
USE Chronic Intake

CHRONIC EXPOSURE [01]
DA June 14, 1978
NT1 Chronic Irradiation
RT Biological Effects
RT Biological Stress
RT Environmental Exposure
RT Toxicity

CHRONIC INTAKE [01]
DA December 1, 1974
UF *Chronic Administration*
UF *Continuous Intake*
UF *Long Term Intake*
BT1 Intake
RT Chronic Irradiation

CHRONIC IRRADIATION [01]
DA December 1, 1974
UF *Continuous Irradiation*
UF *Long Term Irradiation*
UF *Protracted Irradiation*
BT1 Chronic Exposure
BT1 Irradiation
RT Chronic Intake
RT Low Dose Irradiation
RT Radiation Doses
RT Radiation Syndrome
RT Temporal Dose Distributions

Chronic Radiation Effects
DA December 1, 1974
USE Delayed Radiation Effects

CHRONOTRONS [01]
DA December 1, 1974
BT1 Time Interval Analyzers
BT2 Measuring Instruments
NT1 Vernier Chronotrons

CHRYSENE [01]
DA December 1, 1974
BT1 Condensed Aromatics
BT2 Aromatics
BT3 Organic Compounds
BT1 Hydrocarbons
BT2 Organic Compounds

CHRYSOBERYL
(Beryllium Aluminate, $BeAl_2O_4$.)
DA June 23, 1980
BT1 Oxide Minerals
BT2 Minerals
RT Aluminium Oxides
RT Beryllium Oxides

Chrysothamnus Nauseosus
DA March 11, 1982
USE Rabbit Brush

→**CHS TORSATRON [01]**
(National Institute for Fusion Science, Nagoya, Japan.)
DA February 25, 1991
UF *Compact Helical System Torsatron*
BT1 Torsatron Stellarators
BT2 Stellarators
BT3 Closed Plasma Devices
BT4 Thermonuclear Devices

Chubu-1 Reactor
DA December 1, 1974
USE Hamaoka-1 Reactor

Chubu-2 Reactor
DA December 1, 1974
USE Hamaoka-2 Reactor

Chubu-3 Reactor
DA December 1, 1974
USE Hamaoka-3 Reactor

Chubu-4 Reactor
DA November 4, 1992
USE Hamaoka-4 Reactor

Chugoku-1 Reactor
DA December 1, 1974
USE Shimane-1 Reactor

Chugoku-2 Reactor
DA August 8, 1985
USE Shimane-2 Reactor

Chugoku Electric Power Company Reactor
DA December 1, 1974
USE Shimane-1 Reactor

CHUKCHI SEA [01]
DA July 19, 1985
BT1 Arctic Ocean
BT2 Seas
BT3 Surface Waters
RT Alaska
RT Arctic Regions
RT USSR
DEF Part of Arctic Ocean north of Bering Strait between Asia and North America.

Chukotka Reactor
DA December 1, 1974
USE Bilibin Reactor

CHYLOMICRONS [01]
DA December 1, 1974
RT Blood Plasma
RT Lipids

CHYMOTRYPSIN [01]
(Code numbers 3.4.21.1 and 3.4.21.2.)
DA December 1, 1974
BT1 Serine Proteinases
BT2 Peptide Hydrolases
BT3 Hydrolases
BT4 Enzymes
BT5 Proteins
BT6 Organic Compounds
RT Digestion
RT Pancreas

→**CIAE [01]**
DA September 10, 1992
UF *China Institute of Atomic Energy*
BT1 Chinese Organizations
BT2 National Organizations
RT China

Cigarettes
DA January 15, 1980
SEE Tobacco Products

CII COMPUTERS [01]
DA June 16, 1975
BT1 Digital Computers
BT2 Computers

CILIATA [01]
DA June 17, 1981
BT1 Protozoa
BT2 Invertebrates
BT3 Animals
BT2 Microorganisms
NT1 Paramecium
NT1 Tetrahymena

CIM MODEL [01]
DA April 27, 1978
UF *Constituent Interchange Model*
BT1 Composite Models
BT2 Particle Models
BT3 Mathematical Models
RT Exchange Interactions
RT Hadrons
RT Quantum Chromodynamics
RT Quark-Hadron Interactions
RT Strong Interactions
DEF Constituent interchange model shows importance of forces involving the interchange of constituents of hadrons and accounts for very strong binding force in color singlet states.

CIMARRON PLUTONIUM PRODUCTION PLANT
DA February 20, 1975
BT1 Industrial Plants
BT1 Nuclear Facilities
RT Cimarron Uranium Fuel Plant

CIMARRON URANIUM FUEL PLANT [01]
DA November 28, 1975
UF *Cimarron Uranium Plant*
BT1 Fuel Fabrication Plants
BT2 Nuclear Facilities
RT Cimarron Plutonium Production Plant

Cimarron Uranium Plant
DA May 17, 1976
USE Cimarron Uranium Fuel Plant

CINCHONINE [01]
DA December 1, 1974
BT1 Alkaloids
BT2 Organic Compounds
BT1 Antimicrobial Agents
BT2 Anti-Infective Agents
BT3 Drugs
RT Quinolines

CINDA [01]
(Computer Index of Neutron Data.)
DA December 1, 1974
BT1 Information Systems
RT Cross Sections
RT Data
RT Neutrons

CINEMATOGRAPHY [01]
(Motion picture photography.)
DA March 4, 1986
BT1 Photography

CINNABAR
DA March 8, 1977
BT1 Mercury Sulfides
BT2 Mercury Compounds
BT2 Sulfides
BT3 Chalcogenides
BT3 Sulfur Compounds

BT1 Sulfide Minerals
BT2 Minerals
DEF HgS mineral.

CINNAMIC ACID [01]
DA December 1, 1974
UF *Phenylacrylic Acid-Beta*
BT1 Monocarboxylic Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds

CIR Reactor
DA December 1, 1974
USE Cirus Reactor

Circadian Variations
DA December 1, 1974
USE Daily Variations

CIRCE-25KW DEVICE [01]
DA December 1, 1974
BT1 CIRCE Devices
BT2 Magnetic Mirrors
BT3 Open Plasma Devices
BT4 Thermonuclear Devices

CIRCE DEVICES [01]
DA December 1, 1974
BT1 Magnetic Mirrors
BT2 Open Plasma Devices
BT3 Thermonuclear Devices
NT1 CIRCE-25Kw Device

CIRCLE CLIFFS DEPOSIT [01]
DA July 7, 1983
BT1 Oil Sand Deposits
BT2 Geologic Deposits
RT Oil Sands
RT Utah

CIRCUIT BREAKERS [01]
DA December 1, 1974
UF *Breakers (Circuit)*
BT1 Electrical Equipment
BT2 Equipment
BT1 Equipment Protection Devices
RT Current Limiters
RT Electric Fuses
RT Electronic Circuits
RT Insulating Oils
RT Lightning Arresters
RT Switches
RT Switching Circuits

CIRCUIT THEORY [01]
DA December 1, 1974
RT Electronic Circuits

Circuits (Electronic)
DA December 1, 1974
USE Electronic Circuits

Circuits (Magnetic)
DA December 1, 1974
USE Magnetic Circuits

CIRCULAR CONFIGURATION [01]
DA December 1, 1974
BT1 Configuration

Circular Point Collectors
DA October 25, 1978
USE Parabolic Dish Collectors

Circulating Fluidized Bed Boilers
DA January 20, 1993
USE Circulating Systems
AND Fluidized Bed Boilers

CIRCULATING SYSTEMS [01]
DA November 7, 1979
UF+ *Circulating Fluidized Bed Boilers*
NT1 Self-Pumping Systems
RT Coolant Loops
RT Pumping
RT Pumps
RT Thermosyphon Effect
DEF Fluid system in which the process fluid is taken from and pumped back into the system.

Circulation (Blood)
DA December 1, 1974
USE Blood Circulation

CIRENE REACTOR [01]
(Cirene, Latina, Italy)
DA December 1, 1974
BT1 HWLWR Type Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

CIRUS REACTOR [01]
(Bhabha Atomic Research Centre, Trombay, Maharashtra, India)
DA December 1, 1974
UF *Canada-India Reactor*
UF *CIR Reactor*
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Water Cooled Reactors
BT2 Reactors

CISE [01]
DA December 1, 1974
BT1 Italian Organizations
BT2 National Organizations

Cistrons
DA December 1, 1974
USE Genes

CIT Synchrotron
DA December 1, 1974
USE Caltech Synchrotron

Cities
DA December 1, 1974
USE Urban Areas

CITRATE PROCESS
DA January 27, 1975
BT1 Desulfurization
BT2 Chemical Reactions
DEF Process for clean up of tail gas emissions from sulfur recovery plants, e.g., Claus process plant.

CITRATES [01]
DA December 1, 1974
UF+ *Sodium Citrates*
BT1 Carboxylic Acid Salts
RT Citric Acid Esters

CITREX PROCESS
DA March 23, 1983
BT1 Desulfurization
BT2 Chemical Reactions
BT1 Waste Processing
BT2 Processing
BT2 Waste Management
BT3 Management
DEF Flue gas desulfurization process licensed by Peabody.

CITRIC ACID [01]
DA December 1, 1974
BT1 Hydroxy Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds

CITRIC ACID ESTERS [01]
DA December 1, 1974
BT1 Carboxylic Acid Esters
BT2 Esters
BT3 Organic Compounds
RT Citrates

CITROVORUM FACTOR [01]
DA December 1, 1974
UF *Folinic Acid*
UF *Leucovorin*
RT Folic Acid
RT Vitamin B Group

CITRULLINE [01]
DA December 1, 1974
UF *Ureidoaminovaleric Acid*
BT1 Amino Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
RT Urea

CITRUS [01]
DA December 1, 1974
BT1 Magnoliopsida
BT2 Magnoliophyta
BT3 Plants
RT Fruit Trees
RT Grapefruits
RT Lemons
RT Oranges

CIVEX PROCESS [01]
DA June 14, 1978
BT1 Reprocessing
BT2 Separation Processes
RT FBR Type Reactors
RT Nuclear Materials Diversion
RT Plutonium Recycle

CIVIL DEFENSE [01]
DA December 1, 1974
BT1 National Defense
RT Evacuation
RT Human Populations
RT Local Fallout
RT Nuclear Explosions
RT Nuclear Weapons
RT Population Relocation
RT Radiation Protection
RT Safety
RT Shelters
RT Subsurface Structures

CIVIL ENGINEERING [01]
DA August 11, 1982
BT1 Engineering

CIVIL LIABILITY [01]
DA December 1, 1974
BT1 Liabilities
RT BCOCLMCNM
RT BCOLONS
RT BCSTPC
RT PCOTPL
RT Price-Anderson Act
RT SOLAS Convention
RT VCOCLND
RT Workmens Compensation

CLADDING [01]
(For the process only.)
DA December 1, 1974
BT1 Surface Coating
BT2 Deposition
RT Canning
RT Decladding
RT Fuel Cans
RT Hard Facing
RT Plating
RT Rolling

Cladding-Fuel Interactions
DA December 1, 1974
USE Fuel-Cladding Interactions

CLAISEN CONDENSATION [01]
DA December 1, 1974
BT1 Chemical Reactions
RT Esters

CLAMS [01]
DA June 17, 1981
BT1 Molluscs
BT2 Aquatic Organisms
BT2 Invertebrates
BT3 Animals

CLARKEITE [01]
DA December 1, 1974
BT1 Oxide Minerals
BT2 Minerals
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
RT Potassium Oxides
RT Sodium Oxides
RT Uranium Oxides

CLASP DEVICE [01]
DA December 1, 1974
BT1 Stellarators
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

CLASSICAL MECHANICS [01]
DA December 1, 1974
UF *Newton Mechanics*
BT1 Mechanics
RT Hamiltonian Function

CLASSIFICATION
DA April 19, 1976
NT1 Standard Industrial Classification
RT Chemical Analysis
RT Particle Size Classifiers
RT Sorting

CLASSIFIED INFORMATION [01]
DA April 14, 1980
BT1 Information
RT Declassification
RT National Security
RT Secrecy Protection

CLATHRATES [01]
DA December 1, 1974
UF *Inclusion Complexes*
UF *Intercalates*
UF *Occlusion Complexes*
RT Adducts
RT Crystals
RT Matrix Isolation
RT Organic Compounds
RT Rare Gases

CLAUS PROCESS
DA January 24, 1975
BT1 Desulfurization
BT2 Chemical Reactions
RT UCAP Process
DEF A process for recovery of elemental sulfur from H_2S gas. Oxygen reacts with the H_2S to produce dry sulfur and steam.

CLAVICEPS [01]
DA December 1, 1974
BT1 Eumycota
BT2 Fungi
BT3 Plants
BT1 Parasites
RT Rye

CLAYS [01]
DA December 1, 1974
NT1 Attapulgite
NT1 Bentonite
NT1 Clinoptilolite
NT1 Fullers Earth
NT1 Illite
NT1 Kaolin
NT1 Montmorillonite
NT1 Sepiolite
NT1 Smectite
RT Adobe
RT Alluvial Deposits
RT Ceramics
RT Decontamination
RT Ground Water
RT Loam
RT Marlstone
RT Minerals
RT Radionuclide Migration
RT Sand
RT Shales
RT Soils

→**CLEAN AIR ACTS**
(Prior to November 1991 this concept was indexed to CLEAN AIR ACT. From November 1991 to August 1993 this concept was indexed to US CLEAN AIR ACT.)
DA August 10, 1993
UF *US Clean Air Act*
BT1 Pollution Laws
BT2 Laws
RT Air Pollution
RT Air Quality
RT Environment
RT Environmental Policy
RT Pollution Regulations

CLEAN COKE PROCESS
DA March 11, 1976
RT Carbonization
RT Coal Liquefaction
RT Coking
RT Hydrogenation
DEF Process that combines carbonization and hydrogenation reactions to convert nonmetallurgical-grade coal to low-sulfur metallurgical coke, chemical feedstocks, and liquid and gaseous fuels. Carbonization is carried out at 650 to 760°C with a fluidizing gas containing 33% hydrogen.

Clean Fuel from Coal Process
DA August 24, 1976
USE CFFC Process

CLEAN ROOMS [01]
DA August 7, 1979
RT Contamination
RT Controlled Atmospheres
RT Remote Handling

→**CLEAN WATER ACTS**
(Prior to April 1980 this concept was indexed to FEDERAL WATER POLLUTION CONTROL ACT. From April 1980 to December 1991 this was a valid descriptor. From December 1991 to August 1993 this concept was indexed to US CLEAN WATER ACT.)
DA August 10, 1993
UF *Federal Water Pollution Control Act*
UF *US Clean Water Act*
UF *US Water Pollution Control Act*
BT1 Pollution Laws
BT2 Laws
RT Environment
RT Environmental Policy
RT Pollution Regulations
RT Water Pollution
RT Water Quality

CLEANAIR PROCESS
DA January 27, 1975
BT1 Desulfurization
BT2 Chemical Reactions
RT Sulfur
DEF Process for recovery of 99.9% of S from Claus plant tail gas, leaving no more than 200 ppM SO_2 equivalent in the effluent.

CLEANING [01]
DA December 1, 1974
NT1 Air Cleaning
NT1 Decontamination
NT1 Surface Cleaning
NT1 Washing
RT Coal Preparation
RT Coolant Cleanup Systems
RT Deashing
RT Decarbonization
RT Detergents
RT Dishwashers
RT Electropolishing
RT Heavy Media Separation
RT Purification
RT Scrubbing
RT Stains

CLEARANCE [01]
DA December 1, 1974
NT1 Blood-Plasma Clearance
NT1 Excretion
NT2 Exhalation
NT2 Lung Clearance
NT2 Renal Clearance
RT Nuclear Medicine

Clearance (Renal)
DA December 1, 1974
USE Renal Clearance

CLEAVAGE [01]
DA December 1, 1974
BT1 Microstructure
RT Crystal Growth
RT Crystallization

CLEBSCH-GORDAN COEFFICIENTS [01]
DA December 1, 1974
UF *3J-Symbols*
RT Angular Momentum
RT Group Theory
RT Racah Coefficients
RT Wigner Coefficients

CLEMENTINE REACTOR [01]
(Los Alamos Scientific Laboratory, Los Alamos, New Mexico)
DA December 1, 1974
BT1 Fast Reactors
BT2 Epithermal Reactors
BT3 Reactors
BT1 Mercury Cooled Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors
BT1 Plutonium Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors

CLEO STELLARATOR [01]
DA December 1, 1974
BT1 Stellarators
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices
RT Proto-Cleo Stellarators

CLERICAL PERSONNEL
DA August 25, 1980
BT1 Personnel
BT2 Man
BT3 Primates
BT4 Mammals
BT5 Vertebrates
BT6 Animals
RT Commercial Sector
RT Industry

CLEVELAND [01]
DA December 1, 1974
BT1 Ohio
BT2 USA
BT3 Developed Countries
BT3 North America
BT1 Urban Areas

CLIFFORD ALGEBRA [01]
DA December 1, 1974
RT Group Theory

CLIMATE MODELS [01]
DA January 24, 1986

BT1 Mathematical Models
RT Ambient Temperature
RT Atmospheric Circulation
RT Box Models
RT Climates
RT General Circulation Models
RT Paleoclimatology
RT Paleontology
RT Seasonal Variations

CLIMATES [01]
DA December 1, 1974
NT1 Microclimates
RT Antarctic Regions
RT Arctic Regions
RT Atmospheric Circulation
RT Atmospheric Precipitations
RT Boreal Regions
RT Climate Models
RT Degree Days
RT Deserts
RT Droughts
RT Little Ice Age
RT Meteorology
RT Nuclear Winter
RT Paleoclimatology
RT Phenology
RT Pleistocene Epoch
RT Seasons
RT Temperate Zones
RT Tropical Regions
RT Tundra
RT Weather
RT Wind

→**CLIMATIC CHANGE [01]**
DA October 28, 1991
UF *Global Climate Change*
NT1 Greenhouse Effect
RT Acid Rain
RT Ozone Layer
RT Paleoclimatology

CLINCH RIVER [01]
DA December 1, 1974
BT1 Rivers
BT2 Streams
BT3 Surface Waters
RT Tennessee
RT Tennessee Valley Region

CLINCH RIVER BREEDER REACTOR [01]
DA December 1, 1974
BT1 LMFBR Type Reactors
BT2 FBR Type Reactors
BT3 Breeder Reactors
BT4 Reactors
BT3 Fast Reactors
BT4 Epithermal Reactors
BT5 Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Sodium Cooled Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors
RT Enriched Uranium Reactors
RT Plutonium Reactors

CLINOPTILOLITE [01]
DA December 1, 1974
BT1 Clays
BT1 Zeolites
BT2 Inorganic Ion Exchangers
BT3 Ion Exchange Materials
BT4 Materials
BT2 Silicate Minerals
BT3 Minerals
DEF A zeolite mineral: $(Ca,Na_2,K_2)O.Al_2O_3.10SiO_2.7H_2O$.

CLINTON-1 REACTOR [01]
(Dewitt, Illinois, USA)
DA December 1, 1974
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

CLINTON-2 REACTOR [01]
(Dewitt, Illinois, USA)
DA December 1, 1974
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

Clinton P. Anderson Meson Physics Facility
DA April 29, 1975
USE LAMPF Linac

Clipping Circuits
DA December 1, 1974
USE Pulse Shapers

CLONE CELLS [01]
DA December 1, 1974
BT1 Cell Cultures
RT Animal Cells
RT Cloning
RT Hela Cells
RT In Vitro
RT L Cells
RT Monoclonal Antibodies
RT Plant Cells
RT Plaque Formation

CLONING [01]
DA November 10, 1977
NT1 DNA-Cloning
NT1 Vegetative Propagation
NT2 Adventitious Bud Technique
RT Cell Cultures
RT Cell Proliferation
RT Clone Cells
RT Colony Formation

Close-In Fallout
DA December 1, 1974
USE Local Fallout

CLOSED CONFIGURATIONS [01]
DA December 1, 1974
UF *Magnetic Traps (Closed)*
BT1 Magnetic Field Configurations
NT1 Mayer-Schmidt Configurations
NT1 Minimum Average-B Configurations
NT1 Multipolar Configurations
NT2 Hexapolar Configurations
NT2 Octupolar Configurations
NT2 Quadrupolar Configurations
NT1 Toroidal Configuration
RT Closed Plasma Devices

CLOSED-CYCLE COOLING SYSTEMS [01]
DA February 20, 1975
UF+ *Dry-Type Cooling Towers*
BT1 Cooling Systems
BT2 Energy Systems
RT Closed-Cycle Systems
RT Coolant Loops
RT Cooling Towers

CLOSED-CYCLE MHD GENERATORS [01]
DA December 1, 1974
BT1 MHD Generators
BT2 Direct Energy Converters
RT Open-Cycle MHD Generators

CLOSED-CYCLE SYSTEMS [01]
DA December 16, 1975
RT Closed-Cycle Cooling Systems

CLOSED-LOOP CONTROL [01]
DA November 1, 1976
BT1 Control

CLOSED PLASMA DEVICES [01]
DA December 1, 1974
BT1 Thermonuclear Devices
NT1 ASTRON
NT1 Blascon Devices
NT1 Compact Torus
NT2 Field-Reversed Theta Pinch Devices
NT2 Rotamak Devices
NT1 Heliotron
* **NT1** Internal Ring Devices
NT1 Stellarators
NT2 Clasp Device
NT2 Cleo Stellarator
NT2 H-1 HELIAC
NT2 Harmonica-2 Device
NT2 HELIAC Stellarators
NT3 Shella HELIAC
NT2 IMS Stellarator
NT2 JIPP Stellarator
NT2 JIPPT-2 Device
NT2 L-2 Stellarator
NT2 Proto-Cleo Stellarators
NT2 Sirius Device
NT2 Stellarator Model C
NT2 TOR Devices
NT2 Torsatron Stellarators
NT3 ATF Torsatron
NT3 CHS Torsatron
NT3 Vint Torsatron
NT2 Uragan Stellarator
NT2 W Stellarators
NT2 Wega Stellarator
NT2 Wendelstein-2B Stellarator
NT2 Wendelstein-7 Stellarator
* **NT1** Tokamak Devices
* **NT1** Toroidal Pinch Devices
RT Aspect Ratio
RT Closed Configurations
RT Trapped-Particle Instability

CLOSTRIDIUM [01]
DA December 1, 1974
BT1 Bacteria
BT2 Microorganisms
NT1 Clostridium Acetobutylicum
NT1 Clostridium Botulinum
NT1 Clostridium Butyricum
NT1 Clostridium Perfringens
NT1 Clostridium Thermocellum
NT1 Clostridium Thermosaccharolyticum
RT Proteolysis
RT Toxins

CLOSTRIDIUM ACETOBUTYLICUM [01]
DA July 18, 1981
BT1 Clostridium
BT2 Bacteria
BT3 Microorganisms
BT1 Methanogenic Bacteria
BT2 Bacteria
BT3 Microorganisms

CLOSTRIDIUM BOTULINUM [01]
DA December 1, 1974
BT1 Clostridium
BT2 Bacteria
BT3 Microorganisms

CLOSTRIDIUM BUTYRICUM [01]
DA July 18, 1981
BT1 Clostridium
BT2 Bacteria
BT3 Microorganisms

CLOSTRIDIUM PERFRINGENS [01]
DA December 1, 1974
UF *Clostridium Welchii*
BT1 Clostridium
BT2 Bacteria
BT3 Microorganisms

CLOSTRIDIUM THERMOCELLUM [01]
DA October 23, 1979
BT1 Clostridium
BT2 Bacteria
BT3 Microorganisms

RT Enzymatic Hydrolysis
RT Fermentation

CLOSTRIDIUM THERMOSACCHAROLYTICUM [01]
DA July 18, 1981
BT1 Clostridium
BT2 Bacteria
BT3 Microorganisms

Clostridium Welchii
DA December 1, 1974
USE Clostridium Perfringens

CLOSURES [01]
DA December 1, 1974
UF *Plugs*
RT Joints
RT Seals
RT Valves

CLOTHES DRYERS [01]
DA June 21, 1977
UF *Dryers, Clothes*
BT1 Appliances
BT2 Equipment
BT1 Dryers
RT Clothing
RT Electric Appliances
RT Gas Appliances

CLOTHES WASHERS [01]
DA June 21, 1977
UF *Washers, Clothes*
BT1 Appliances
BT2 Equipment
RT Clothing
RT Electric Appliances
RT Gas Appliances
RT Laundries

CLOTHING [01]
DA December 1, 1974
UF *Shoes*
NT1 Protective Clothing
NT2 Gloves
RT Clothes Dryers
RT Clothes Washers
RT Consumer Products
RT Textiles

CLOUD CHAMBERS [01]
DA December 1, 1974
BT1 Gas Track Detectors
BT2 Radiation Detectors
BT3 Measuring Instruments
NT1 Expansion Chambers
RT Diffusion Chambers

CLOUD COVER [01]
DA January 24, 1975
UF *Cloudiness (Meteorology)*
RT Clouds
RT Meteorology
RT Sky
RT Storms

Cloudiness (Meteorology)
DA January 29, 1975
USE Cloud Cover

CLOUDS [01]
(Limited to clouds in the earth atmosphere; for interstellar clouds see COSMIC DUST or COSMIC GASES.)
DA December 1, 1974
NT1 Noctilucent Clouds
NT1 Radioactive Clouds
RT Atmospheric Precipitations
RT Cloud Cover
RT Meteorology
RT Sky
RT Storms
RT Water
RT Weather

CLOUDY CRYSTAL BALL MODEL [01]
DA December 1, 1974
BT1 Nuclear Models
BT2 Mathematical Models
RT Optical Models

CLOVER [01]
DA December 1, 1974
BT1 Leguminosae
BT2 Magnoliopsida
BT3 Magnoliophyta
BT4 Plants
RT Forage

CLUFF LAKE MINE [01]
DA March 13, 1981
BT1 Uranium Mines
BT2 Mines
BT3 Underground Facilities
RT Saskatchewan

CLUSTER BEAM INJECTION [01]
DA December 1, 1974
BT1 Beam Injection
RT Cluster Beams

CLUSTER BEAMS [01]
DA August 24, 1976
BT1 Beams
RT Atomic Clusters
RT Cluster Beam Injection
RT Molecular Clusters

CLUSTER EMISSION MODEL [01]
DA October 1, 1975
UF *Hadronic Clusters*
BT1 Multiperipheral Model
BT2 Peripheral Models
BT3 Particle Models
BT4 Mathematical Models
NT1 Space-Time Model
RT Charge-Exchange Interactions
RT Fireball Model
RT Multiple Production
RT Pionization
DEF A particle interaction model describing the emission of clusters having the potential to transfer charge from one center of mass hemisphere to the other depending upon the rapidities of the clusters.

CLUSTER EXPANSION [01]
DA December 1, 1974
BT1 Series Expansion
RT Differential Equations
DEF A virial expansion in which the virial coefficients (of inverse powers of the volume of the gas in question) are obtained from integrals, over positions of a small number of molecules, of functions involving intermolecular potentials.

CLUSTER MODEL [01]
DA December 1, 1974
UF *Alpha Particle Model*
BT1 Nuclear Models
BT2 Mathematical Models
RT Quartet Model
RT Vibron Model

Clusters (Fuel Elements)
DA December 1, 1974
USE Fuel Element Clusters

Clusters (Galaxy)
DA December 1, 1974
USE Galaxy Clusters

Clusters (Ion)
DA December 1, 1974
USE Ion Pairs

Clusters (Solid)
DA December 1, 1974
USE Solid Clusters

Clusters (Star)
DA December 1, 1974
USE Star Clusters

CMEA
DA May 3, 1979
USE COMECON

CML REACTOR [01]
DA December 1, 1974
UF *Critical Mass Laboratory PNL*
UF *PNL-CML Reactor*
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

CMNI [01]
(5-Chloro-1-methl-4-nitroimidazole.)
DA September 22, 1981
BT1 Imidazoles
BT2 Azoles
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
BT1 Radiosensitizers
BT2 Drugs

→**CMPO [01]**
(Octyl(phenyl)-N,N-diisobutylcarbamoylmethylphosphine oxide.)
DA June 29, 1993
BT1 Phosphine Oxides
BT2 Oxygen Compounds
BT2 Phosphines
BT3 Phosphorus Compounds
BT1 Solvent Extraction
BT2 Extraction
BT3 Separation Processes
RT Truex Process

CN Method
DA May 10, 1984
USE Spherical Harmonics

CNA Reactor
DA December 1, 1974
USE Atucha Reactor

CNEN [01]
DA December 1, 1974
UF *Comitato Nazionale per l'Energia Nucleare*
BT1 Italian ENEA
BT2 Italian Organizations
BT3 National Organizations

CNEN Brazil
DA September 10, 1982
USE Brazilian CNEN

CNG PROCESS
DA March 23, 1983
BT1 Desulfurization
BT2 Chemical Reactions
BT1 Separation Processes
RT Coal Gasification
DEF Proprietary process for removing H_2S, CO_2, sulfur compounds, and trace elements from fuel gas.

CNIDARIA [01]
DA December 1, 1974
BT1 Coelenterata
BT2 Invertebrates
BT3 Animals
NT1 Corals
NT1 Hydra

CNO CYCLE [01]
(Astrophysical processes only.)
DA October 19, 1978
UF *Bethe-Wiezsaecker Cycle*
UF *Carbon-Nitrogen-Oxygen Cycle*
BT1 Star Burning
RT Main Sequence Stars
RT Nucleosynthesis
RT Star Evolution
RT Star Models

CNRS SOLAR FACILITY [01]
DA February 8, 1982
BT1 Test Facilities

RT France
RT Solar Furnaces
DEF The solar furnace facility at the National Center for Scientific Research (CNRS) at Odeillo, France.

CNS Stimulants
DA April 20, 1981
USE Analeptics

CO2 Flooding
DA August 8, 1978
USE Carbon Dioxide Injection

Co-Generation
(Prior to November 1980, this was a valid concept and older material is so indexed.)
DA January 28, 1977
USE Cogeneration

COAGULANTS [01]
DA April 20, 1981
BT1 Hematologic Agents
BT2 Drugs
NT1 Blood Coagulation Factors
NT2 Fibrin
NT2 Fibrinogen
NT2 Kallikrein
NT2 Plasminogen
NT2 Prothrombin
NT2 Thrombin
NT2 Thromboplastin
NT2 Urokinase
NT1 Hemostatics
NT2 Fibrin
NT2 Fibrinogen
NT2 Thrombin
NT2 Thromboplastin
NT1 Heparin Antagonists
NT2 Protamines
NT3 Salmin
NT2 Vitamin K
RT Anticoagulants
RT Blood Substitutes
RT Fibrinolytic Agents
RT Hematinics

Coagulation (Blood)
DA December 1, 1974
USE Blood Coagulation

Coagulation (Colloid)
DA June 30, 1975
USE Flocculation

COAL [01]
DA December 1, 1974
UF+ *Coal-Oil Mixtures*
SF *Rexco Process*
BT1 Carbonaceous Materials
BT2 Materials
BT1 Fossil Fuels
BT2 Energy Sources
BT2 Fuels
NT1 Black Coal
NT2 Anthracite
NT2 Bituminous Coal
NT1 Brown Coal
NT2 Lignite
NT1 Coal Fines
NT1 Sapropelic Coal
NT2 Boghead Coal
NT3 Torbanite
NT2 Cannel Coal
NT1 Subbituminous Coal
RT Ash Content
RT Chars
RT Coal Deposits
RT Coal Extracts
RT Coal Gas
RT Coal Gasification
RT Coal Liquefaction
RT Coal Pastes
RT Coal Rank
RT Coal Reserves
RT Coal-Fired MHD Generators
RT Coalification
RT Coke
RT Coking
RT Culm
RT Fluidized-Bed Combustion
RT Fluidized-Bed Combustors
RT Gasification
RT Lithotypes
RT Macerals
RT National Coal Model
RT Peat
RT Slurry Pipelines
RT Solid Fuels
RT Solvent-Refined Coal
RT Soot
RT Stokers
RT Sulfur Content
RT Volatile Matter

COAL BURNING APPLIANCES [01]
DA March 29, 1982
BT1 Appliances
BT2 Equipment
RT Stoves

Coal Chemicals
DA September 27, 1979
SEE Coal Extracts
OR Petrochemicals

COAL DEPOSITS [01]
DA January 24, 1975
BT1 Geologic Deposits
BT1 Mineral Resources
BT2 Resources
NT1 Coal Seams
RT Coal
RT Coal Producing Districts
RT Coal Reserves
RT Geophysical Surveys
RT Illinois Basin
RT Powder River Basin
RT Wasatch Formation
RT Well Logging Equipment

Coal-Derived Gases
DA October 7, 1993
USE Coal Gas

Coal-Derived Liquids
DA December 16, 1976
USE Coal Liquids

COAL EXTRACTS
DA January 24, 1975
SF *Coal Chemicals*
RT Coal

COAL FINES [01]
DA January 24, 1975
BT1 Coal
BT2 Carbonaceous Materials
BT3 Materials
BT2 Fossil Fuels
BT3 Energy Sources
BT3 Fuels
RT Briquets
RT Pulverized Fuels

COAL-FIRED GAS TURBINES [01]
(Previous to February 1980 this concept was indexed to GAS TURBINES.)
DA March 4, 1980
BT1 Gas Turbines
BT2 Turbines
BT3 Turbomachinery
BT4 Machinery
BT5 Equipment
RT Coal Gasification
RT Combined-Cycle Power Plants
RT Fossil-Fuel Power Plants
RT Gas Turbine Engines
RT Gas Turbine Power Plants

COAL-FIRED MHD GENERATORS [01]
DA February 20, 1975
BT1 MHD Generators
BT2 Direct Energy Converters
NT1 MHD Generator CDIF
NT1 MHD Generator CFFF
NT1 MHD Generator ETF
NT1 MHD Generator UTSI
RT Coal
RT Seed-Slag Interactions
RT Spent Seed

COAL FUEL CELLS [01]
DA January 31, 1975
BT1 Fuel Cells
BT2 Direct Energy Converters
BT2 Electrochemical Cells

COAL GAS [01]
DA January 24, 1975
UF *Coal-Derived Gases*
UF *Coke-Oven Gas*
BT1 Gases
BT2 Fluids
BT1 Pyrolysis Products
RT Coal
RT Fuel Gas
RT Town Gas

COAL GASIFICATION [01]
DA February 5, 1975
UF *AVG Process*
UF *Bubiag-Didier Process*
UF *Conoco Gasification Process*
UF *Hoffman Process*
UF *Hyflex Process*
UF *McDowell-Wellman Process*
UF *Panindco Process*
UF *Rombach Process*
UF *Schmalfeldt-Wintershall Process*
UF *Selox Process*
UF *Zhuravlev Process*
UF+ *Carbon Dioxide Acceptor Process*
SF *CS-SR Process*
SF *Thyssen-Galocsy Process*
BT1 Gasification
BT2 Thermochemical Processes
NT1 Agglomerating Ash Process
NT1 Arc Coal Process
NT1 Atgas Process
NT1 Babcock and Wilcox-DuPont Process
NT1 Beacon Process
NT1 BGC-Lurgi Slagging Process
NT1 Bi-Gas Process
NT1 CE Entrained Fuel Process
NT1 Coalcon Process
NT1 COGAS Process
NT1 Combined-Cycle FW Process
NT1 Consol Synthetic Gas Process
NT1 CS-R Process
NT1 CSIRO Process
NT1 Dow Gasification Process
NT1 Exxon Gasification Process
NT1 Fischer-Tropsch/Mobil Process
NT1 Flash Hydropyrolysis Process
NT1 FW-Stoic Process
NT1 GEGAS Process
NT1 GKT Process
NT1 HTW Process
NT1 Humboldt Gasification Process
NT1 Hydrane Process
NT1 Hygas Process
NT1 I G Process
NT1 KBW Gasification Process
NT1 Kellogg Process
NT1 Kilngas Process
NT1 Klockner-Iron Bath Coal Gasification Process
NT1 Koppers Process
NT1 Koppers-Totzek Process
NT1 KRW Gasification Process
NT1 Lichtenberg Process
NT1 Liquid Phase Methanation Process
NT1 Lurgi CFB Gasification Process
NT1 Lurgi Process
NT1 Lurgi Slagging Process
NT1 MERC Process
NT1 MIGAS Process
NT1 Molten Iron Puregas Process
NT1 Molten Salt Coal Gasification Process
NT1 Moving-Burden Process
NT1 Occidental Flash Pyrolysis Process
NT1 Otto Rummel Slag Bath Process
NT1 Patgas Process
NT1 Peatgas Process
NT1 PRENFLO Process
NT1 Riley-Morgan Process
NT1 Rockgas Process
NT1 Ruhr 100 Gasification Process

NT1 Saarberg-Otto Gasification Process
NT1 Seacoke Process
NT1 Shell-Koppers Gasification Process
NT1 Simplex Process
NT1 Stone and Webster Gasification Process
NT1 Synthane Process
NT1 Texaco Gasification Process
NT1 Tosco-Dyne Process
NT1 Toscoal Process
NT1 Tri-Gas Process
NT1 U-Gas Process
NT1 Wellman-Galusha Process
NT1 Wellman-Incandescent Process
NT1 Westinghouse Gasification Process
NT1 Wilputte Process
NT1 Woodall-Duckham Process
RT CNG Process
RT Coal
RT Coal Gasification Plants
RT Coal-Fired Gas Turbines
RT Fluidized Bed Refuse Gasification
RT Gasoline Plants
RT In-Situ Gasification
RT Methanol Plants
RT Shift Processes
RT SNG Processes
RT Sulfur Meters
RT Synthetic Fuels
RT Thunderbird Project

COAL GASIFICATION PLANTS [01]
DA November 26, 1975
BT1 Industrial Plants
RT Coal Gasification

COAL INDUSTRY [01]
DA April 8, 1975
BT1 Industry
RT Mineral Industry

COAL LIQUEFACTION [01]
DA January 23, 1975
UF *ADL Process*
UF *Arthur D Little Coal Liquefaction Process*
UF *Chevron Coal Liquefaction Process*
UF *FRIambient Process*
UF *Riser Cracking*
UF *Uhde-Pfirrmann Process*
SF *CS-SR Process*
BT1 Liquefaction
BT2 Thermochemical Processes
NT1 BCL Process
NT1 Bergius Process
NT1 Catalytic Hydrosolvation Process
NT1 CE Lummus CFFC Process
NT1 CFFC Process
NT1 COED Process
NT1 Coil Process
NT1 Costeam Process
NT1 CSF Process
NT1 Dow Liquefaction Process
NT1 Exxon Liquefaction Process
NT1 Fischer-Tropsch/Mobil Process
NT1 Flash Hydropyrolysis Process
NT1 H-Coal Process
NT1 Liquid Phase Methanol Process
NT1 Occidental Flash Pyrolysis Process
NT1 Pamco Process
NT1 Pott-Broche Process
NT1 Pyrosol Process
NT1 Sasol-II Process
NT1 Sasol Process
NT1 SRC-II Process
NT1 Synthoil Process
NT1 Synthol Process
NT1 TSL Process
NT1 Zinc Halide Process
RT Clean Coke Process
RT Coal
RT Coal Liquefaction Plants
RT Coal Liquids
RT Supercritical Gas Extraction
RT Synthetic Fuels

COAL LIQUEFACTION PLANTS
DA February 19, 1976
BT1 Industrial Plants
RT Coal Liquefaction

COAL LIQUIDS [01]
DA February 19, 1976
UF *Coal-Derived Liquids*
BT1 Liquids
BT2 Fluids
RT Coal Liquefaction
RT LC-Fining
RT Liquid Fuels
RT Pyrolytic Oils
RT Supercritical Gas Extraction
RT Synthetic Petroleum

COAL MINERS [01]
DA March 11, 1976
BT1 Miners
BT2 Personnel
BT3 Man
BT4 Primates
BT5 Mammals
BT6 Vertebrates
BT7 Animals

COAL MINES [01]
DA June 30, 1975
UF *Collieries*
UF+ *Mine-Mouth Generating Plants*
BT1 Mines
BT2 Underground Facilities
RT Abandoned Shafts
RT Backfilling
RT Coal Mining
RT Heading Machines
RT Mine Draining
RT Rock Dusting

COAL MINING [01]
DA February 7, 1975
BT1 Mining
RT Acid Mine Drainage
RT Advance Mining
RT Belt Conveyors
RT Coal Mines
RT Coal Producing Districts
RT Cross-Ridge Mining
RT Cutter Loaders
RT Cutting Machines
RT Longwall Mining
RT Mining Engineering
RT Retreat Mining
RT Room and Pillar Mining
RT Shearer Loaders
RT Shortwall Mining
RT Slice Mining
RT Surface Mining
RT Underground Mining
RT US OSM

Coal-Oil Mixtures
DA December 8, 1980
USE Coal
AND Fuel Oils
AND Fuel Slurries

COAL PASTES
DA January 24, 1975
RT Coal

Coal Planers
DA June 6, 1979
USE Coal Plows

Coal Ploughs
DA June 6, 1979
USE Coal Plows

COAL PLOWS
DA June 6, 1979
UF *Coal Planers*
UF *Coal Ploughs*
UF *Plows (Coal)*
BT1 Cutter Loaders
BT2 Cutting Machines
BT3 Mining Equipment
BT4 Equipment
BT2 Loaders
BT3 Haulage Equipment
BT4 Materials Handling Equipment
BT5 Equipment

COAL PREPARATION [01]
DA August 19, 1975
NT1 Licado Process
RT BOM-ERDA Process
RT Cleaning
RT Coal Preparation Plants
RT Comminution
RT Convertol Process
RT Crushing
RT Drying
RT Flotation
RT GE Process
RT Hazen Process
RT Heavy Media Separation
RT JPL Process
RT KVB Process
RT Rhodococcus
RT Syracuse Chemical Comminution Process
RT TRW Process
RT US Clean Coal Technology Program
RT Washing
RT Water Removal
DEF Grinding, screening, powdering, cleaning, etc., to prepare coal for industrial uses.

COAL PREPARATION PLANTS [01]
DA June 7, 1976
SF *Solvent-Refining Coal Plants*
BT1 Industrial Plants
RT Coal Preparation
RT Solvent-Refined Coal

COAL PRODUCING DISTRICTS [01]
DA September 27, 1979
RT Coal Deposits
RT Coal Mining

COAL RANK [01]
DA January 24, 1975
RT Coal
RT Coalification
DEF The degree of metamorphosis that the original plant debris has undergone during the geological ages since it was deposited.

COAL RESERVES [01]
DA January 24, 1975
BT1 Reserves
BT2 Resources
RT Coal
RT Coal Deposits

COAL SEAMS [01]
DA May 3, 1976
BT1 Coal Deposits
BT2 Geologic Deposits
BT2 Mineral Resources
BT3 Resources
RT Geologic Strata
RT Inclined Strata
RT Water Influx

COAL TAR [01]
DA December 1, 1974
BT1 Tar
BT2 Other Organic Compounds
BT3 Organic Compounds
RT Bituminous Materials
RT Coal Tar Acids
RT Coal Tar Bases
RT Coal Tar Oils
RT Creosote

COAL TAR ACIDS
DA April 19, 1976
BT1 Organic Acids
BT2 Organic Compounds
RT Coal Tar
RT Coal Tar Oils

COAL TAR BASES
DA April 19, 1976
BT1 Bases
BT1 Organic Compounds

RT Coal Tar
RT Coal Tar Oils

COAL TAR OILS [01]
DA January 24, 1975
BT1 Oils
BT2 Other Organic Compounds
BT3 Organic Compounds
RT Coal Tar
RT Coal Tar Acids
RT Coal Tar Bases

COALCON PROCESS
DA November 28, 1975
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes
RT Carbonization
RT Chars
DEF Low-temperature, intermediate-pressure process for hydrocarbonization of finely divided low-rank coal or high-boiling tars in a fluidized bed to produce chars, tars, and gases. It was originally designed for a subbituminous coal having high tar and potentially high phenolic yields during carbonization, but it is currently being developed for high-sulfur, high-volatile bituminous coals.

COALESCENCE [01]
DA December 1, 1974
RT Adhesion
RT Agglomeration
RT Blood Coagulation
RT Bonding
RT Coprecipitation

COALIFICATION
DA July 23, 1977
RT Coal
RT Coal Rank
RT Diagenesis
RT Geochemistry
RT Petrology

COALTEK Process
DA July 7, 1976
USE Fuel Feeding Systems

Coarse Control Rods
DA December 1, 1974
USE Shim Rods

Coarse Mesh Method
DA May 10, 1984
USE Finite Difference Method

Coast
DA December 1, 1974
USE Shores

COASTAL REGIONS [01]
DA February 19, 1976
NT1 River Deltas
NT1 Shores
RT Coastal Waters
RT Coastal Zone Management Act
DEF Land areas of unspecified dimensions near sea or lake coastlines.

COASTAL WATERS [01]
DA December 1, 1974
BT1 Surface Waters
NT1 Bays
NT2 Bay of Biscay
NT2 Bay of Fundy
NT2 Biscayne Bay
NT2 Chesapeake Bay
NT2 Delaware Bay
NT2 Galveston Bay
NT2 Matagorda Bay
NT2 Onslow Bay
NT2 Prudhoe Bay
NT2 Sequim Bay
RT Coastal Regions
RT Coastal Zone Management Act
RT Continental Margin
RT Continental Shelf
RT Continental Slope
RT Estuaries
RT Fiords
RT Mid-Atlantic Bight
RT Offshore Sites
RT Seas
RT Sequim Bay
RT Shores
RT South Atlantic Bight
RT Territorial Waters

COASTAL ZONE MANAGEMENT ACT
DA March 3, 1978
UF *Public Law 94-370*
BT1 Laws
RT Coastal Regions
RT Coastal Waters
RT Continental Shelf
RT Zones

COATED FUEL PARTICLES [01]
DA December 1, 1974
BT1 Fuel Particles
RT Amoeba Effect

Coating (Surface)
DA December 1, 1974
USE Surface Coating

Coating Processes
DA December 1, 1974
USE Surface Coating

COATINGS [01]
DA December 1, 1974
NT1 Antireflection Coatings
NT1 Black Coatings
NT2 Black Chrome
NT2 Black Nickel
NT1 Diffusion Coatings
NT1 Dipped Coatings
NT1 Electrodeposited Coatings
NT1 Enamels
NT1 Energy Beam Deposition Films
NT1 Glazes
NT1 Lacquers
NT1 Paints
NT2 Luminous Paints
NT1 Protective Coatings
NT1 Reflective Coatings
NT1 Spin-on Coatings
NT1 Sprayed Coatings
NT1 Vapor Deposited Coatings
NT1 Varnishes
RT Corrosion Protection
RT Coverings
RT Deposits
RT Films
RT Heat Mirrors
RT Latex
RT Masking
RT Screen Printing
RT Solar Absorbers
RT Solar Control Films
RT Surface Coating
RT Surface Finishing
RT Thin Films
RT Waterproofing

COAXIAL CABLES [01]
DA December 1, 1974
BT1 Electric Cables
BT2 Cables
BT2 Conductor Devices
BT3 Electrical Equipment
BT4 Equipment

COAXIAL FLOW REACTORS [01]
DA December 1, 1974
BT1 Gas Fueled Reactors
BT2 Fluid Fueled Reactors
BT3 Reactors
BT2 Homogeneous Reactors
BT3 Reactors

COBALT [01]
DA December 1, 1974
BT1 Transition Elements
BT2 Metals
BT3 Elements
RT Refractory Metals

COBALT 50 [01]
DA May 8, 1984
BT1 Cobalt Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei

COBALT 53 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cobalt Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Proton Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

COBALT 54 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cobalt Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

COBALT 55 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cobalt Isotopes
BT2 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei

COBALT 56 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cobalt Isotopes
BT2 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei

COBALT 56 TARGET [01]
DA November 30, 1982
BT1 Targets

COBALT 57 [01]
DA December 1, 1974
BT1 Cobalt Isotopes
BT2 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei

COBALT 57 TARGET [01]
DA April 13, 1977
BT1 Targets

COBALT 58 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cobalt Isotopes
BT2 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

COBALT 58 TARGET [01]
DA August 24, 1976
BT1 Targets

COBALT 59 [01]
DA December 1, 1974
BT1 Cobalt Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

COBALT 59 REACTIONS [01]
DA November 29, 1984
BT1 Heavy Ion Reactions
BT2 Charged Particle Reactions
BT3 Nuclear Reactions

COBALT 59 TARGET [01]
DA July 9, 1976
BT1 Targets

COBALT 60 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cobalt Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

COBALT 60 TARGET [01]
DA July 12, 1976
BT1 Targets

COBALT 61 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cobalt Isotopes
BT2 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei

COBALT 62 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cobalt Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

COBALT 63 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cobalt Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

COBALT 64 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cobalt Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

COBALT 65 [01]
DA October 23, 1979
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cobalt Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

COBALT 66 [01]
DA February 21, 1986
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cobalt Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

COBALT 67 [01]
DA February 21, 1986
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Cobalt Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

COBALT 68 [01]
DA September 5, 1986
BT1 Cobalt Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei

COBALT 69 [01]
DA September 5, 1986
BT1 Cobalt Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei

COBALT 70 [01]
DA September 5, 1986
BT1 Cobalt Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei

COBALT ADDITIONS [01]
DA December 1, 1974
BT1 Cobalt Alloys
BT2 Alloys
NT1 Alloy-Ni43Fe33Cr16Mo3
NT2 Nimonic PE16
NT1 Alloy-Ni62Cr16Mo15Fe3
NT2 Hastelloy S
NT1 Crocar
NT1 Steel-Cr18Ni11NbCo
NT2 Stainless Steel-348

COBALT ALLOYS [01]
DA December 1, 1974
BT1 Alloys

NT1 Alloy-B-1900
NT1 Alloy-Fe31Cr21Co20Ni20Mo3W2
NT2 Alloy-HD-556
NT2 Alloy-N-155
NT1 Alloy-Fe44Ni33Cr21
NT2 Incoloy 800H
NT1 Alloy-Fe53Ni29Co18
NT1 Alloy-Mar-M246
NT1 Alloy-MP35N
NT1 Alloy-Ni45Cr23Fe19Co3Mo3W3
NT1 Alloy-Ni46Cr23Co19Ti5Al4
NT2 Alloy-IN-939
NT1 Alloy-Ni47Cr25Co12W9Fe3
NT2 Alloy-IN-643
NT2 Inconel 643
NT1 Alloy-Ni48Co28Cr15Al3Mo3Ti2
NT2 Inconel 700
NT1 Alloy-Ni48Cr22Fe18Mo9
NT2 Nimonic PE13
NT1 Alloy-Ni49Cr22Fe18Mo9
NT2 Hastelloy X
NT1 Alloy-Ni50Co20Cr15Al5Mo5
NT2 Nimonic 105
NT1 Alloy Ni53Co19Cr15Mo5Al4Ti3
NT2 Udimet 700
NT1 Alloy-Ni54Cr22Co13Mo9
NT2 Inconel 617
NT1 Alloy-Ni54Mo17Cr16Fe6W4
NT2 Hastelloy C
NT1 Alloy-Ni55Co17Cr15Mo5Al4Ti4
NT2 Astroloy
NT1 Alloy-Ni55Cr19Co11Mo10Ti3
NT2 Rene 41
NT1 Alloy-Ni58Cr14Co8Al4Mo4Nb4W4
NT2 Rene 95
NT1 Alloy-Ni58Cr20Co14Mo4Ti3
NT2 Waspaloy
NT1 Alloy-Ni59Cr20Co17Ti2
NT2 Nimonic 90
NT1 Alloy-Ni60Co15Cr10Al6Ti5Mo3
NT2 Alloy-IN-100
NT1 Alloy-Ni60Cr14Co10Ti5Mo4W4Al3
NT2 Rene 80
NT1 Alloy-Ni60Mo13Co9Cr8Nb4Al3
NT1 Alloy Ni61Cr16Co9Al3Ti3W3
NT2 Alloy-IN-738
NT1 Alloy-Ni65Mo28Fe5
NT2 Hastelloy B
NT1 Alloy-RA-333
NT1 Alloy-S 590
NT1 Alloy-S-816
NT1 Alloy-V 36
NT1 Alloy YuNDK 25BA
NT1 ALNICO Alloys
NT1 Astroloy
NT1 Carboloy
* NT1 Cobalt Additions
* NT1 Cobalt Base Alloys
NT1 Cunico
NT1 Hiperco
NT1 Kanthal
NT1 Konel
NT1 Kovar
NT1 Magnet Steel-KS
NT1 Nimonic 115
NT1 Rene 41
NT1 Rene 80
NT1 Rene 95
NT1 Rene-100
NT1 Supertherm
NT1 Tikonal
NT1 Timken Alloys
NT1 Udimet Alloys
NT2 Udimet 500
NT2 Udimet 700
NT1 Vitallium
NT1 Waspaloy

COBALT ARSENIDES [01]
DA August 4, 1976
BT1 Arsenides
BT2 Arsenic Compounds
BT2 Pnictides
BT1 Cobalt Compounds
BT2 Transition Element Compounds

COBALT BASE ALLOYS [01]
DA December 1, 1974
UF *Alloy L-605*
BT1 Cobalt Alloys
BT2 Alloys
NT1 Alloy-Co43Cr20Fe18Ni13W3
NT2 HAVAR
NT1 Alloy-Co50Fe50
NT2 Permendur
NT1 Alloy-Co52Cr17Fe15Mo3Si3
NT2 Tribaloy 800
NT1 Alloy-Co52Fe35V10
NT2 Vikalloy 1
NT1 Alloy-Co52Fe35V13
NT2 Vikalloy 2
* NT1 Haynes Alloys
NT1 Mar-M509 Alloys
NT1 Stellite
NT2 Alloy-Co54Cr20W15Ni10
NT3 Alloy-HS-25
NT3 Haynes 25 Alloy
NT2 Alloy-Co60Cr30W4
NT3 Haynes Stellite 6B
NT3 Stellite 6
NT2 Alloy-Co62Cr28Mo6Ni3
NT3 Alloy-HS-21
NT3 Haynes Stellite No 21
NT2 Alloy-Co64Cr29W4
NT3 Stellite 156
NT2 Alloy-Co66Cr26W6
NT3 Deloro Stellite 6
NT2 Alloy-HS-31
NT2 Stellite 156
NT1 Tribaloy 400

COBALT BORIDES [01]
DA December 1, 1974
BT1 Borides
BT2 Boron Compounds
BT1 Cobalt Compounds
BT2 Transition Element Compounds

COBALT BROMIDES [01]
DA December 1, 1974
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Cobalt Compounds
BT2 Transition Element Compounds

COBALT CARBIDES [01]
DA December 1, 1974
BT1 Carbides
BT2 Carbon Compounds
BT1 Cobalt Compounds
BT2 Transition Element Compounds

COBALT CARBONATES [01]
DA December 1, 1974
BT1 Carbonates
BT2 Carbon Compounds
BT2 Oxygen Compounds
BT1 Cobalt Compounds
BT2 Transition Element Compounds

COBALT CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Cobalt Compounds
BT2 Transition Element Compounds

COBALT COMPLEXES [01]
DA December 1, 1974
BT1 Transition Element Complexes
BT2 Complexes

COBALT COMPOUNDS [01]
DA December 1, 1974
BT1 Transition Element Compounds
NT1 Cobalt Arsenides
NT1 Cobalt Borides
NT1 Cobalt Bromides
NT1 Cobalt Carbides
NT1 Cobalt Carbonates
NT1 Cobalt Chlorides
NT1 Cobalt Fluorides
NT1 Cobalt Hydrides
NT1 Cobalt Hydroxides
NT1 Cobalt Iodides
NT1 Cobalt Nitrates
NT1 Cobalt Oxides
NT2 Kirchheimerite
NT1 Cobalt Perchlorates
NT1 Cobalt Phosphates
NT1 Cobalt Phosphides
NT1 Cobalt Selenides
NT1 Cobalt Silicates
NT1 Cobalt Silicides
NT1 Cobalt Sulfates
NT1 Cobalt Sulfides
NT1 Cobalt Tellurides
NT1 Cobalt Tungstates

COBALT FLUORIDES [01]
DA December 1, 1974
BT1 Cobalt Compounds
BT2 Transition Element Compounds
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds

COBALT HYDRIDES [01]
DA December 1, 1974
BT1 Cobalt Compounds
BT2 Transition Element Compounds
BT1 Hydrides
BT2 Hydrogen Compounds

COBALT HYDROXIDES [01]
DA December 1, 1974
BT1 Cobalt Compounds
BT2 Transition Element Compounds
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds

COBALT IODIDES [01]
DA December 1, 1974
BT1 Cobalt Compounds
BT2 Transition Element Compounds
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds

COBALT IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

COBALT ISOTOPES [01]
DA December 1, 1974
BT1 Isotopes
NT1 Cobalt 50
NT1 Cobalt 53
NT1 Cobalt 54
NT1 Cobalt 55
NT1 Cobalt 56
NT1 Cobalt 57
NT1 Cobalt 58
NT1 Cobalt 59
NT1 Cobalt 60
NT1 Cobalt 61
NT1 Cobalt 62
NT1 Cobalt 63
NT1 Cobalt 64
NT1 Cobalt 65
NT1 Cobalt 66
NT1 Cobalt 67
NT1 Cobalt 68
NT1 Cobalt 69
NT1 Cobalt 70

COBALT NITRATES [01]
DA December 1, 1974
BT1 Cobalt Compounds
BT2 Transition Element Compounds
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds

COBALT ORES [01]
DA December 1, 1974
BT1 Ores

COBALT OXIDES [01]
DA December 1, 1974
BT1 Cobalt Compounds
BT2 Transition Element Compounds
BT1 Oxides

BT2 Chalcogenides
BT2 Oxygen Compounds
NT1 Kirchheimerite
RT Oxide Minerals

COBALT PERCHLORATES [01]
DA December 16, 1975
BT1 Cobalt Compounds
BT2 Transition Element Compounds
BT1 Perchlorates
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Oxygen Compounds

COBALT PHOSPHATES [01]
DA December 1, 1974
BT1 Cobalt Compounds
BT2 Transition Element Compounds
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds

COBALT PHOSPHIDES [01]
DA September 11, 1975
BT1 Cobalt Compounds
BT2 Transition Element Compounds
BT1 Phosphides
BT2 Phosphorus Compounds
BT2 Pnictides

COBALT SELENIDES [01]
DA March 4, 1980
BT1 Cobalt Compounds
BT2 Transition Element Compounds
BT1 Selenides
BT2 Chalcogenides
BT2 Selenium Compounds

COBALT SILICATES [01]
DA December 1, 1974
BT1 Cobalt Compounds
BT2 Transition Element Compounds
BT1 Silicates
BT2 Oxygen Compounds
BT2 Silicon Compounds

COBALT SILICIDES [01]
DA January 21, 1975
BT1 Cobalt Compounds
BT2 Transition Element Compounds
BT1 Silicides
BT2 Silicon Compounds

COBALT SULFATES [01]
DA December 1, 1974
BT1 Cobalt Compounds
BT2 Transition Element Compounds
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds

COBALT SULFIDES [01]
DA December 1, 1974
BT1 Cobalt Compounds
BT2 Transition Element Compounds
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds

COBALT TELLURIDES [01]
DA June 14, 1978
BT1 Cobalt Compounds
BT2 Transition Element Compounds
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds

COBALT TUNGSTATES [01]
DA July 5, 1978
BT1 Cobalt Compounds
BT2 Transition Element Compounds
BT1 Tungstates

COBOL [01]
DA December 1, 1974
BT1 Programming Languages

COBORDISM THEORY
DA January 21, 1975
RT Algebra
RT Topology

Cobra Reactor
DA February 26, 1975
USE KBR-1 Reactor

COCAINE [01]
DA December 1, 1974
BT1 Alkaloids
BT2 Organic Compounds
BT1 Anesthetics
BT2 Central Nervous System Depressants
BT3 Drugs
BT1 Antidepressants
BT2 Psychotropic Drugs
BT3 Central Nervous System Agents
BT4 Drugs

COCKCROFT-WALTON ACCELERATORS [01]
DA December 1, 1974
BT1 Electrostatic Accelerators
BT2 Accelerators

COCKROACHES [01]
DA December 1, 1974
BT1 Dictyoptera
BT2 Insects
BT3 Arthropods
BT4 Invertebrates
BT5 Animals

COCOA PRODUCTS [01]
DA December 1, 1974
BT1 Food
RT Cacao Trees

COCOMBUSTION [01]
DA August 4, 1981
UF *Cofiring*
BT1 Combustion
BT2 Oxidation
BT3 Chemical Reactions
BT2 Thermochemical Processes
DEF The simultaneous burning of two fuels in a boiler, e.g., coal and biomass or municipal solid wastes.

COCONUT PALMS [01]
DA December 1, 1974
BT1 Liliopsida
BT2 Magnoliophyta
BT3 Plants
BT1 Trees
BT2 Plants
RT Coconuts

COCONUTS [01]
DA December 1, 1974
BT1 Fruits
BT2 Food
RT Coconut Palms

CODEINE [01]
DA December 1, 1974
BT1 Morphine
BT2 Alkaloids
BT3 Organic Compounds
BT2 Opium
BT3 Analgesics
BT4 Central Nervous System Depressants
BT5 Drugs
BT3 Narcotics
BT4 Central Nervous System Depressants
BT5 Drugs

CODEINONE
DA July 6, 1978
BT1 Alkaloids
BT2 Organic Compounds

CODFISH [01]
DA December 1, 1974
BT1 Fishes
BT2 Aquatic Organisms
BT2 Vertebrates
BT3 Animals

Coding Circuits
DA December 1, 1974
USE Digital Circuits

CODLING MOTH [01]
DA December 1, 1974
UF *Carpocapsa Pomonella*
BT1 Moths
BT2 Lepidoptera
BT3 Insects
BT4 Arthropods
BT5 Invertebrates
BT6 Animals
RT Apples

CODONS [01]
DA December 1, 1974
RT Genes
RT Nucleotides
RT Ribosomes

COED PROCESS
DA January 24, 1975
UF *Char Oil Energy Development Process*
BT1 Coal Liquefaction
BT2 Liquefaction
BT3 Thermochemical Processes
DEF FMC Corporation process that converts coal to synthetic crude oil, gas, and char in four fluidized-bed gasification stages at 315, 450, 540, and 840°C.

COEFFICIENT OF PERFORMANCE
DA January 30, 1979
RT Air Conditioners
RT Efficiency
RT Heat Pumps
RT Performance
RT Refrigerating Machinery
RT Refrigerators
RT Thermodynamics

COELENTERATA [01]
(Prior to October 1990 this subject was indexed to CNIDARIA.)
DA January 28, 1977
BT1 Invertebrates
BT2 Animals
NT1 Cnidaria
NT2 Corals
NT2 Hydra

Coenzyme I
DA December 1, 1974
USE NAD

Coenzyme II
DA December 1, 1974
USE NADP

COENZYMES [01]
DA December 1, 1974
NT1 NAD
NT1 NADH2
NT1 NADP
NT1 Ubiquinone
RT Apolipoproteins
RT Biochemistry
RT Biosynthesis
RT Catalysis
RT Cytochromes
RT Enzymes
RT Isoalloxazines
RT Metabolism
RT Pyridoxal
RT Redox Process
RT Vitamin B Group

COERCION
DA March 23, 1983
RT Legal Aspects
DEF Compulsion, constraint, or compelling by force.

COERCIVE FORCE [01]
DA December 1, 1974
RT Magnetic Properties

COESITE
DA July 6, 1978

BT1 Oxide Minerals
BT2 Minerals
DEF A polymorph of silicon dioxide.

COEXTRUSION [01]
DA December 1, 1974
BT1 Extrusion
BT2 Materials Working
BT3 Fabrication

Coffee
DA December 1, 1974
USE Beverages

COFFEE BEANS [01]
DA December 20, 1978
BT1 Seeds
RT Coffee Plants

COFFEE PLANTS [01]
DA December 1, 1974
BT1 Magnoliopsida
BT2 Magnoliophyta
BT3 Plants
RT Coffee Beans

COFFINITE [01]
DA December 1, 1974
BT1 Silicate Minerals
BT2 Minerals
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials

Cofiring
DA October 24, 1981
USE Cocombustion

COFRENTES REACTOR [01]
(Cofrents, Valencia, Spain)
DA June 2, 1977
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

COGAS PROCESS
DA January 24, 1975
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes
DEF A two step coal conversion process involving pyrolysis followed by gasification of the resultant char.

COGEMA [01]
DA June 2, 1977
BT1 French Organizations
BT2 National Organizations
NT1 Cogema La Hague
NT1 Cogema Marcoule
NT1 Cogema Pierrelatte

COGEMA LA HAGUE [01]
DA June 2, 1977
BT1 Cogema
BT2 French Organizations
BT3 National Organizations
BT1 Fuel Reprocessing Plants
BT2 Nuclear Facilities

COGEMA MARCOULE [01]
DA June 3, 1977
BT1 Cogema
BT2 French Organizations
BT3 National Organizations

COGEMA PIERRELATTE [01]
DA June 3, 1977
BT1 Cogema
BT2 French Organizations
BT3 National Organizations
BT1 Gaseous Diffusion Plants
BT2 Isotope Separation Plants
BT3 Industrial Plants
BT3 Nuclear Facilities

COGENERATION [01]
(Prior to November 1980, this concept was indexed to CO-GENERATION.)
DA October 27, 1980
UF *Co-Generation*
UF *Combined Steam-Power Generation*
BT1 DEUS
BT2 Energy Systems
BT1 Power Generation
BT1 Steam Generation
RT District Heating
RT Dual-Purpose Power Plants
RT Energy Cascade
RT Refuse-Fueled Power Plants
RT Thermal Transmission ICES
RT Total Energy Systems
RT Waste Heat
RT Waste Heat Boilers
RT Waste Heat Utilization
RT Waste Product Utilization

Cogeneration Plants
DA June 13, 1981
USE Dual-Purpose Power Plants

COHERENCE LENGTH [01]
DA June 12, 1975
BT1 Length
BT2 Dimensions
RT Cooper Pairs
RT Ginzburg-Landau Theory
RT Superconductivity
DEF The distance in superconductors over which the effects of a perturbing force are appreciable.

COHERENT ACCELERATORS [01]
DA February 5, 1975
BT1 Accelerators
RT Collective Accelerators

Coherent Anti-Stokes Raman Spectroscopy
DA March 7, 1983
USE Raman Spectroscopy

COHERENT PRODUCTION [01]
DA December 1, 1974
BT1 Particle Interactions
BT2 Interactions
BT1 Particle Production
RT Coherent Tube Model

COHERENT RADIATION [01]
DA December 1, 1974
BT1 Electromagnetic Radiation
BT2 Radiations

COHERENT SCATTERING [01]
DA December 1, 1974
BT1 Scattering
NT1 Brillouin Effect
NT1 Diffraction
NT2 Atomic Beam Diffraction
NT2 Electron Diffraction
NT2 Neutron Diffraction
NT2 X-Ray Diffraction
NT1 Rayleigh Scattering
RT Anharmonic Crystals
RT Elastic Scattering

COHERENT TUBE MODEL [01]
DA October 20, 1977
UF *Collective Tube Model*
UF *Tube Model*
BT1 Nuclear Models
BT2 Mathematical Models
BT1 Particle Models
BT2 Mathematical Models
RT Coherent Production
RT Incoherent Production
RT Multiple Production
RT Nuclear Reactions
RT Particle Interactions

COIL PROCESS
DA April 6, 1978
BT1 Coal Liquefaction
BT2 Liquefaction
BT3 Thermochemical Processes
DEF A process for hydrogenerating a mixture of petroleum and coal.

Coils (Electric)
DA December 1, 1974
USE Electric Coils

Coils (Magnetic)
DA December 1, 1974
USE Magnet Coils

COINCIDENCE CIRCUITS [01]
DA December 1, 1974
BT1 Electronic Circuits
RT Anticoincidence
RT Coincidence Methods
RT Pulse Circuits
RT Telescope Counters
RT Time Measurement

COINCIDENCE METHODS [01]
DA December 1, 1974
BT1 Counting Techniques
NT1 Coincidence Spectrometry
NT1 Tagged Photon Method
RT Coincidence Circuits
RT Positron Cameras
RT Synchronization

COINCIDENCE SPECTROMETRY [01]
DA December 1, 1974
BT1 Coincidence Methods
BT2 Counting Techniques
RT Counting Techniques
RT Radiation Detection
RT Spectrometers

COKE [01]
DA December 1, 1974
UF+ *Petroleum Coke*
NT1 Beehive Coke
NT1 Coke Breeze
NT1 Oven Coke
RT Coal
RT Coke Ovens
RT Coking
RT Formed Coke Processes
RT Fossil Fuels
RT Fuels
RT Semicoke
RT Semicoking
RT Solid Fuels

COKE BREEZE
DA December 10, 1979
BT1 Coke

Coke-Oven Gas
DA January 29, 1975
USE Coal Gas

COKE OVENS [01]
DA July 29, 1975
UF *Slot Ovens*
RT Carbonization
RT Coke
RT Coking
RT Coking Plants
RT Formed Coke Processes
DEF Ovens made from firebrick or other heat-resistant material and used for carbonization of coal for production of coke.

COKING [01]
DA January 24, 1975
BT1 Carbonization
BT2 Decomposition
BT3 Chemical Reactions
RT Clean Coke Process
RT Coal
RT Coke
RT Coke Ovens
RT Coking Plants
RT Retorting
RT Semicoke

RT Semicoking
DEF Destructive distillation of coal to make coke.

COKING PLANTS [01]
DA June 6, 1979
BT1 Industrial Plants
RT Coke Ovens
RT Coking

Colby Event
DA June 21, 1977
USE Anvil Project

COLCHICINE [01]
DA December 1, 1974
BT1 Alkaloids
BT2 Organic Compounds
BT1 Antimitotic Drugs
BT2 Drugs
BT1 Antipyretics
BT2 Central Nervous System Depressants
BT3 Drugs
RT Polyploidy

COLD CATHODE TUBES [01]
DA December 1, 1974
BT1 Electron Tubes

COLD EFFLUENTS
DA August 4, 1976
RT Thermal Effluents

→**COLD FISSION [01]**
DA August 12, 1992
BT1 Fission
BT2 Nuclear Reactions
RT Heavy Ion Emission Decay
RT Kinetic Energy

→**COLD FUSION [01]**
DA July 24, 1991
BT1 Nuclear Reactions
RT Thermonuclear Reactions

COLD LAKE DEPOSIT [01]
DA April 15, 1975
BT1 Oil Sand Deposits
BT2 Geologic Deposits
RT Alberta
RT Canada
RT Oil Sands
RT Saskatchewan

COLD NEUTRONS [01]
DA December 1, 1974
BT1 Neutrons
BT2 Nucleons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
NT1 Ultracold Neutrons
DEF Neutrons of less velocity than thermal neutrons; at 152°C their energy is below 0.01 eV.

COLD PLASMA [01]
DA December 1, 1974
BT1 Plasma

COLD PRESSING [01]
DA December 1, 1974
BT1 Pressing
BT2 Materials Working
BT3 Fabrication
RT Cold Working

COLD RECOVERY
DA May 18, 1981
RT Energy Conservation
RT Heat Recovery
RT Refrigeration

COLD STORAGE [01]
DA February 23, 1979
BT1 Energy Storage
BT2 Storage
RT Evaporative Cooling
RT Heat Storage
RT Rock Beds
RT Solar Cooling Systems

COLD TRAPS [01]
DA December 1, 1974
BT1 Traps
BT1 Vapor Condensers
BT2 Condensers

COLD-WATER PROCESSES
DA June 7, 1976
BT1 Fluid Injection Processes
RT Bitumens
RT Oil Sands
DEF Process used for recovery of bitumens from tar sands using various types of cationic,anionic and nonanionic wetting agents.

COLD WORKING [01]
DA December 1, 1974
BT1 Materials Working
BT2 Fabrication
NT1 Shot Peening
RT Cold Pressing
RT Dislocation Pinning
RT Drawing
RT Extrusion
RT Forging
RT Hardening
RT Rolling
RT Strain Aging
RT Strain Hardening
RT Surface Hardening

COLEOPTERA [01]
DA June 16, 1981
BT1 Insects
BT2 Arthropods
BT3 Invertebrates
BT4 Animals
NT1 Beetles
NT2 Boll Weevil
NT2 Tribolium

COLEOPTILE [01]
DA December 1, 1974
RT Germination
RT Seedlings

COLEUS [01]
DA December 1, 1974
BT1 Herbs
BT2 Plants
BT1 Magnoliopsida
BT2 Magnoliophyta
BT3 Plants

COLIFORMS [01]
DA December 1, 1974
BT1 Bacteria
BT2 Microorganisms
RT Aerobacter
RT Escherichia Coli

COLLAGEN [01]
DA December 1, 1974
BT1 Scleroproteins
BT2 Proteins
BT3 Organic Compounds
RT Connective Tissue
RT Fibroblasts
RT Hydroxyproline
RT Proline

COLLECTIVE ACCELERATORS [01]
DA December 1, 1974
BT1 Accelerators
NT1 Electron-Ring Accelerators
NT1 Ionization Front Accelerators
NT1 Plasma Betatrons
RT Coherent Accelerators

COLLECTIVE EXCITATIONS [01]
DA June 12, 1975
BT1 Excitation
BT2 Energy-Level Transitions
RT Superconductivity

COLLECTIVE MODEL [01]
DA December 1, 1974
BT1 Nuclear Models
BT2 Mathematical Models
NT1 Rotation-Vibration Model
RT Boson Expansion
RT Davydov-Filipov Model
RT Hill-Wheeler Theory
RT Quasiparticle-Phonon Model

Collective Tube Model
DA March 4, 1980
USE Coherent Tube Model

Collector Module Test Facility
DA November 8, 1980
USE MSSTF

Collector Properties
(For reservoir rock)
DA March 6, 1984
USE Permeability
AND Porosity

Collector Properties (Rocks)
DA February 23, 1984
USE Permeability
AND Porosity

Collectrons
DA December 1, 1974
USE Self-Powered Neutron Detectors

Colleges
DA July 20, 1983
USE Educational Facilities

Collider Detector at Fermilab
DA December 13, 1985
USE Fermilab Collider Detector

COLLIDING BEAMS [01]
DA December 1, 1974
UF *Crossed Beams*
UF *Intersecting Beams*
BT1 Beams
RT Beam Luminosity
RT Beam-Beam Interactions
RT Interactions
RT Linear Colliders

Collieries
DA June 24, 1977
USE Coal Mines

COLLIMATORS [01]
DA December 1, 1974
RT Beam Optics
RT Radiotherapy
RT Shielding
RT Shutters
RT Tomography

COLLISION INTEGRALS [01]
DA December 1, 1974
BT1 Integrals
RT Boltzmann Equation

Collision Matrix
DA December 1, 1974
USE S Matrix

COLLISIONAL HEATING [01]
DA December 1, 1974
BT1 Magnetic-Pumping Heating
BT2 High-Frequency Heating
BT3 Plasma Heating
BT4 Heating

COLLISIONAL PLASMA [01]
DA December 1, 1974
BT1 Plasma
RT Pfirsch-Schlueter Regime

COLLISIONLESS PLASMA [01]
DA December 1, 1974
BT1 Plasma

COLLISIONS [01]
(For low-energy interactions involving photons, electrons, ions, atoms, and molecules; not for NUCLEAR REACTIONS; for elementary particles and radiations see also INTERACTIONS.)

DA December 1, 1974
NT1 Atom Collisions
NT2 Atom-Atom Collisions
NT2 Atom-Molecule Collisions
NT2 Electron-Atom Collisions
NT2 Ion-Atom Collisions
NT2 Muon-Atom Collisions
NT2 Photon-Atom Collisions
NT2 Positron-Atom Collisions
NT1 Electron Collisions
NT2 Electron-Atom Collisions
NT2 Electron-Electron Collisions
NT2 Electron-Ion Collisions
NT2 Electron-Molecule Collisions
NT2 Electron-Positron Collisions
NT2 Photon-Electron Collisions
NT1 Ion Collisions
NT2 Electron-Ion Collisions
NT2 Ion-Atom Collisions
NT2 Ion-Ion Collisions
NT2 Ion-Molecule Collisions
NT2 Photon-Ion Collisions
NT2 Positron-Ion Collisions
NT1 Molecule Collisions
NT2 Atom-Molecule Collisions
NT2 Electron-Molecule Collisions
NT2 Ion-Molecule Collisions
NT2 Molecule-Molecule Collisions
NT2 Photon-Molecule Collisions
NT2 Positron-Molecule Collisions
NT1 Photon Collisions
NT2 Photon-Atom Collisions
NT2 Photon-Electron Collisions
NT2 Photon-Ion Collisions
NT2 Photon-Molecule Collisions
NT2 Photon-Positron Collisions
NT1 Positron Collisions
NT2 Electron-Positron Collisions
NT2 Photon-Positron Collisions
NT2 Positron-Atom Collisions
NT2 Positron-Ion Collisions
NT2 Positron-Molecule Collisions
NT2 Positron-Positron Collisions
RT Brownian Movement
RT Colloids
RT Coupled Channel Theory
RT Dynamics
RT Interactions
RT Kinetic Equations
RT Kinetics
RT Landau-Zener Formula
RT Particle Kinematics
RT PSS Method
RT Scattering
RT Sudden Approximation

Collodion
DA December 1, 1974
USE Nitrocellulose

Colloid Coagulation
DA June 30, 1975
USE Flocculation

COLLOIDS [01]
DA December 1, 1974
BT1 Dispersions
NT1 Agar
NT1 Alginic Acid
NT1 Emulsions
NT2 Microemulsions
NT2 Photographic Emulsions
NT1 Foams
NT2 Plastic Foams
NT2 Urea-Formaldehyde Foams
NT1 Gelatin
NT1 Gels
NT2 Hydrophylic Polymers
NT1 Radiocolloids
NT2 Thorotrast
NT1 Sols
NT2 Aerosols
NT3 Radioactive Aerosols
NT3 Smokes
NT4 Tobacco Smokes
RT Brownian Movement
RT Collisions
RT Dialysis
RT Gelation
RT Gums
RT Micellar Systems
RT Particle Size
RT Particles
RT Sol-Gel Process

COLMONOY [01]
DA December 1, 1974
BT1 Boron Alloys
BT2 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Iron Alloys
BT2 Alloys
BT1 Nickel Base Alloys
BT2 Nickel Alloys
BT3 Alloys
BT1 Silicon Alloys
BT2 Alloys

Cologne Spirits
DA December 1, 1974
USE Ethanol

COLOMBIA [01]
DA December 1, 1974
BT1 Developing Countries
BT1 South America
BT2 Latin America
RT Andes

COLOMBIAN ORGANIZATIONS [01]
DA June 9, 1987
BT1 National Organizations
NT1 IAN

Colon
DA December 1, 1974
USE Large Intestine

Colonies
DA December 1, 1974
USE Populations

COLONY FORMATION [01]
DA November 1, 1976
NT1 Spleen Colony Formation
RT Animal Cells
RT Cell Cultures
RT CFU
RT Cloning

Colony Forming Units
DA December 1, 1974
USE CFU

COLOR [01]
DA December 1, 1974
BT1 Optical Properties
BT2 Physical Properties
BT1 Organoleptic Properties
RT Dichroism
RT Electrochromism

COLOR CENTERS [01]
DA December 1, 1974
BT1 Vacancies
BT2 Point Defects
BT3 Crystal Defects
BT4 Crystal Structure
NT1 A Centers
NT1 B Centers
NT1 E Centers
NT1 F Centers
NT1 H Centers
NT1 I Centers
NT1 M Centers
NT1 Q Centers
NT1 R Centers
NT1 S Centers
NT1 U Centers
NT1 V Centers
NT1 X Centers
NT1 Z Centers

COLOR MODEL [01]
DA June 30, 1975
BT1 Quark Model
BT2 Composite Models
BT3 Particle Models
BT4 Mathematical Models
RT Charm Particles
RT Glueballs
RT Grace Particles
RT Preons
RT Quantum Chromodynamics
RT Quantum Numbers
RT Taste Particles

COLORADO [01]
DA December 1, 1974
BT1 USA
BT2 Developed Countries
BT2 North America
NT1 Mahogany Zone
NT1 Sand Wash Basin
RT Colorado River Basin
RT Crystal River
RT Green River Formation
RT Gunnison River
RT North Platte River Basin
RT Paradox Basin
RT Permian Basin
RT Piceance Creek
RT Piceance Creek Basin
RT Rio Blanco Oil Shale Project
RT Rio Grande Rift
RT Rio Grande River
RT Rocky Flats Plant
RT Uinta Basin
RT Uinta Formation
RT US Naval Oil Shale Reserves
RT Wasatch Formation
RT White River
RT Yellow Creek
RT Yellow Creek Basin

COLORADO PLATEAU [01]
DA December 1, 1974
BT1 Mountains

COLORADO RIVER [01]
DA December 1, 1974
BT1 Rivers
BT2 Streams
BT3 Surface Waters
RT Colorado River Basin

COLORADO RIVER BASIN [01]
DA June 30, 1975
BT1 Watersheds
RT Colorado
RT Colorado River

COLORADO TRIGA-MK-3 REACTOR [01]
DA December 1, 1974
SF *TRIGA-Mk-3 Reactor*
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 TRIGA Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Hydride Moderated Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Solid Homogeneous Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

COLORATION [01]
DA December 1, 1974
RT Bleaching

COLORIMETRIC DOSEMETERS [01]
DA December 1, 1974
BT1 Dosemeters
BT2 Measuring Instruments
RT Dyes
RT Glass
RT Polymers

Colorimetry
DA December 1, 1974
USE Absorption Spectroscopy

→**COLUMBIA HIGH-BETA TOKAMAK [01]**
DA September 13, 1991

BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

COLUMBIA RIVER [01]
DA December 1, 1974
BT1 Rivers
BT2 Streams
BT3 Surface Waters
RT Columbia River Basin
RT Washington

COLUMBIA RIVER BASIN [01]
DA October 23, 1978
BT1 Watersheds
NT1 Pasco Basin
RT Columbia River
RT Idaho
RT Oregon
RT Washington

Columbium
DA December 1, 1974
USE Niobium

COLUMN PACKING [01]
DA December 1, 1974
UF *Berl Saddles*
UF *Raschig Rings*
BT1 Packings
RT Extraction Columns

Columns (Extraction)
DA December 1, 1974
USE Extraction Columns

Columns (Mechanical)
DA December 1, 1974
USE Mechanical Structures

Columns (Thermal)
DA December 1, 1974
USE Thermal Columns

COMANCHE PEAK-1 REACTOR [01]
(Somervell, Texas, USA)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

COMANCHE PEAK-2 REACTOR [01]
(Somervell, Texas, USA)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

COMBINED COLLECTORS [01]
DA September 11, 1978
BT1 Solar Collectors
BT2 Solar Equipment
BT3 Equipment
RT Photovoltaic Cells
RT Solar Cells
DEF Combined photovoltaic/thermal collectors.

COMBINED-CYCLE FW PROCESS
DA May 7, 1977
UF *Foster Wheeler Gasification Process*
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes
RT Entrainment
DEF A two-stage entrained gasifier similar to the Bi-Gas design, operating at moderate pressure and using air, that can be modified to oxygen blowing.

COMBINED-CYCLE POWER PLANTS [01]
(Prior to March, 1976, the descriptors COMBINED CYCLES and FOSSIL-FUEL POWER PLANTS or THERMAL POWER PLANTS were used for indexing this concept.)
DA March 11, 1976
UF *Combined Gas and Steam Cycle Power Plants*
BT1 Thermal Power Plants
BT2 Power Plants
NT1 MHD Generator ETF
RT Coal-Fired Gas Turbines
RT Combined Cycles
RT Gas Turbine Power Plants
RT Hot Gas Cleanup
RT Tosco-Dyne Process

COMBINED CYCLES [01]
DA January 21, 1975
BT1 Thermodynamic Cycles
RT Combined-Cycle Power Plants
RT Electric Power
RT Power Plants
RT Total Energy Systems

Combined Gas and Steam Cycle Power Plants
DA March 11, 1976
USE Combined-Cycle Power Plants

Combined Pinch Devices (Linear)
DA December 1, 1974
USE Linear Screw Pinch Devices

→**COMBINED SOXNOX PROCESSES [01]**
DA May 15, 1990
UF *DESONOX Process*
BT1 Denitrification
BT2 Chemical Reactions
BT1 Desulfurization
BT2 Chemical Reactions
NT1 ARGONOX Process
NT1 NOXSO Process
DEF Process capable of removing SOx and NOx from flue gas.

Combined Steam-Power Generation
DA May 7, 1977
USE Cogeneration

COMBINED THERAPY [01]
DA January 16, 1986
BT1 Therapy
RT Antineoplastic Drugs
RT Chemotherapy
RT Neoplasms
RT Radiotherapy
RT Side Effects
DEF The use of both chemotherapy and radiotherapy in conjunction with each other to achieve a synergistic effect.

COMBUSTION [01]
DA December 1, 1974
UF *Incineration*
BT1 Oxidation
BT2 Chemical Reactions
BT1 Thermochemical Processes
NT1 Cocombustion
NT1 Fluidized-Bed Combustion
NT1 In-Situ Combustion
NT1 Pulse Combustion
NT1 Reverse Combustion
NT1 Spontaneous Combustion
NT1 Staged Combustion
RT Afterburners
RT Burners
RT Calorific Value
RT Combustion Instability
RT Combustion Kinetics
RT Combustion Products
RT Combustion Properties
RT Combustion Waves
RT CPU-400 Combustion Plant
RT Detonation Waves
RT Dry Ashing
RT Exhaust Recirculation Systems
RT Fire Prevention
RT Fires
RT Flames
RT Flammability
RT Flaring
RT Fuel Injection Systems
RT Fuel-Air Ratio
RT Gas Burners
RT Ignition
RT Ignition Quality
RT Ignition Systems
RT Incinerators
RT Knock Control
RT Oil Burners
RT Spark Ignition Engines
RT Stratified Charge Engines
RT Wet Ashing

COMBUSTION CHAMBERS [01]
DA May 5, 1975
RT Combustors
RT Engines
RT Fuel Injection Systems
RT Pulse Combustion
RT Pulse Combustors
RT Spark Ignition Engines
DEF Containers in which the actual burning of fuel takes place.

COMBUSTION CONTROL [01]
DA March 28, 1979
BT1 Control
RT Boilers
RT Combustors
RT Fuel-Air Ratio
RT Pulse Combustion
RT Pulse Combustors
DEF Control of factors (temperature, preheating, draft, excess or deficient air, etc.) which affect combustion efficiency.

Combustion Engineering Gasification Process
DA May 7, 1977
USE CE Entrained Fuel Process

Combustion Engineering Standard Reactor
DA February 13, 1975
USE CE Standard Reactor

COMBUSTION HEAT [01]
DA December 1, 1974
UF *Heat of Combustion*
BT1 Heat
BT2 Energy
BT1 Reaction Heat
BT2 Enthalpy
BT3 Thermodynamic Properties
BT4 Physical Properties
RT Combustion Properties

COMBUSTION INSTABILITY
DA August 24, 1976
BT1 Instability
RT Combustion

COMBUSTION KINETICS [01]
DA August 24, 1976
BT1 Chemical Reaction Kinetics
BT2 Reaction Kinetics
BT3 Kinetics
RT Combustion
RT Flame Propagation

COMBUSTION PRODUCTS [01]
DA October 1, 1975
NT1 Ashes
NT2 Fly Ash
RT 3-Methylcholanthrene
RT Combustion
RT Exhaust Gases
RT Flue Gas
RT Gaseous Wastes
RT Pyrolysis Products
RT Solid Wastes
RT Wastes

COMBUSTION PROPERTIES [01]
DA November 11, 1975
UF *Flame Temperature*
UF *Flash Point*
NT1 Calorific Value
NT1 Flammability
RT Combustion
RT Combustion Heat
RT Thermodynamic Properties

COMBUSTION WAVES
DA September 14, 1976
RT Combustion
RT Detonation Waves
RT Explosions
RT Ignition
RT Shock Waves
DEF Zone of burning propagated through a combustible medium.

COMBUSTORS [01]
DA November 1, 1976
NT1 Catalytic Combustors
NT1 Cyclone Combustors
NT1 Fluidized-Bed Combustors
NT1 Pulse Combustors
RT Burners
RT Combustion Chambers
RT Combustion Control
RT Ignition Systems
DEF Combustion chambers together with their associated burners, igniters, and fuel injection devices.

COMECON [01]
DA December 1, 1974
UF *CMEA*
UF *Council for Mutual Economic Assistance*
BT1 International Organizations

COMETS [01]
DA December 1, 1974
NT1 Halley Comet
RT Solar System

Comitato Nazionale per l'Energia Nucleare
DA June 7, 1976
USE CNEN

Commensalism
DA January 15, 1980
USE Symbiosis

Commerce
DA December 22, 1977
USE Trade

Commerce (Nuclear)
DA March 3, 1978
USE Nuclear Trade

COMMERCIAL BUILDINGS [01]
DA January 24, 1975
UF *Banks*
UF *Stores*
BT1 Buildings
NT1 Hotels
NT1 Shopping Centers
RT Apartment Buildings
RT Commercial Sector
RT Office Buildings
RT Restaurants
RT Skating Rinks

Commercial Demonstration Fast Reactor
DA October 23, 1979
USE CDFR Reactor

Commercial Nuclear Ships
DA August 24, 1976
USE Nuclear Merchant Ships

COMMERCIAL SECTOR [01]
DA December 15, 1976
SF *End Use Sector*
NT1 Retailers
NT2 Gasoline Service Stations
RT Clerical Personnel
RT Commercial Buildings
RT Commercialization
RT Economic Development
RT Market
RT Marketers
RT Resellers
RT Restaurants
RT Sectoral Analysis
RT Service Sector
RT Small Businesses
RT Trade

COMMERCIALIZATION [01]
DA March 4, 1977
RT Biotechnology
RT Commercial Sector
RT Demonstration Programs
RT Economic Development
RT Feasibility Studies
RT Gasoline Plants
RT Industry
RT Manufacturers
RT Market
RT Marketing Research
RT Mission Analysis
RT Technology Impacts
RT Technology Transfer
RT Technology Utilization
RT US National Program Plans
DEF Bringing a new technology into the marketplace after government-sponsored research, development and demonstration.

COMMINUTION [01]
DA April 8, 1975
UF *Pulverization*
NT1 Crushing
NT1 Grinding
RT Coal Preparation
RT Fracturing
RT Fragmentation
RT Pulverizers

Commissioning (Reactor)
DA December 1, 1974
USE Reactor Commissioning

COMMODITIES
DA July 29, 1975
RT Cargo
RT Economics
RT Sales

COMMON MARKET [01]
DA December 1, 1974
UF *European Economic Community*
BT1 European Communities
BT2 International Organizations

COMMUNICATIONS [01]
DA December 1, 1974
NT1 Data Transmission
NT2 Telemetry
RT Advertising
RT Cryptography
RT Data Transmission Systems
RT Information Theory
RT Man-Machine Systems
RT Radio Equipment
RT Signals
RT Speech
RT Telephones
RT Television

COMMUNITIES [01]
DA April 8, 1975
NT1 Planned Communities
RT Aesthetics
RT Human Populations
RT ICES Program
RT Populations
RT Residential Sector
RT Socio-Economic Factors

Communities (Ecological)
DA December 1, 1974
USE Ecosystems

COMMUTATION RELATIONS [01]
DA December 1, 1974
RT Canonical Dimension
RT Current Algebra
RT Mathematical Operators
RT Quantum Mechanics

COMMUTATORS [01]
DA December 1, 1974
BT1 Quantum Operators
BT2 Mathematical Operators
NT1 Current Commutators
NT2 Sigma Terms
RT Current Algebra

COMPACT COMMISSIONS [01]
DA March 19, 1984
RT Intergovernmental Cooperation
RT Low-Level Radioactive Wastes
RT Radioactive Waste Management
RT State Government
DEF Joint negotiating and coordinating body for a compact's member states

Compact Helical System Torsatron
DA February 25, 1991
USE CHS Torsatron

COMPACT IGNITION TOKAMAK [01]
(A Tokamak proposed as a next-step after TFTR, i.e., for extensive ignited-core studies.)
DA November 20, 1986
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices
BT1 Tokamak Type Reactors
BT2 Thermonuclear Reactors
RT Thermonuclear Ignition

COMPACT TORUS [01]
(Prior to October 1982, this concept was indexed to THERMONUCLEAR DEVICES or to a particular experiment if known, e.g., REVERSE-FIELD PINCH.)
DA October 5, 1982
BT1 Closed Plasma Devices
BT2 Thermonuclear Devices
BT1 Tori
NT1 Field-Reversed Theta Pinch Devices
NT1 Rotamak Devices
RT Ignition Spherical Torus
RT Plasma
RT Plasma Rings
RT Toroidal Configuration
DEF Any of a series of fusion experiments involving toroidal magnetic geometries in which the aspect ratio is nearly one.

COMPACTIFICATION [01]
(Process by which the number of space-time dimensions may be reduced.)
DA November 19, 1985
RT Dimensions
RT Kaluza-Klein Theory
RT Space-Time
RT Supergravity
RT Symmetry Breaking

COMPACTING [01]
DA December 1, 1974
RT Agglomeration
RT Briquetting
RT Caking
RT Cementing
RT Compacts
RT Fabrication
RT Pelletizing
RT Powder Metallurgy
RT Pressing
RT Rolling

COMPACTORS [01]
DA June 21, 1977
BT1 Equipment
RT Compacts
RT Electric Appliances

COMPACTS [01]
DA December 1, 1974
RT Compacting
RT Compactors
RT Powders

COMPARATIVE EVALUATIONS [01]
(To be indexed in coordination with the concepts being compared.)
DA December 1, 1974
BT1 Evaluation
RT Bioassay
RT Correlations
RT Cost Benefit Analysis
RT Data
RT Efficiency
RT Errors
RT Feasibility Studies
RT Functional Models
RT Hypothesis
RT Interlaboratory Comparisons
RT Mathematical Models
RT Measuring Methods
RT Radiation Effects
RT Resolution
RT Structural Models

COMPARATOR CIRCUITS [01]
(Circuits to provide indication of agreement or disagreement between signals.)
DA December 1, 1974
BT1 Electronic Circuits

COMPARTMENTS [01]
DA December 1, 1974
RT Biophysics
RT Extracellular Space
RT Radionuclide Kinetics
RT Retention
RT Retention Functions

COMPATIBILITY [01]
DA December 1, 1974
RT Interchangeability
RT Joining
RT Joints
RT Mixtures
DEF Mutual behaviour of 2 or more materials joined or mixed together.

Compatibility (Immunological)
DA December 1, 1974
USE Immunity

Compensation (Workmens)
DA December 1, 1974
USE Workmens Compensation

COMPETITION [01]
DA July 7, 1976
UF+ *Market Shares*
RT Antitrust Laws
RT Behavior
RT Cartels
RT Economics
RT Horizontal Integration
RT Marketers
RT Population Dynamics
RT Resellers
RT Retailers
RT Sales
RT Trade
RT Vertical Divestiture
RT Vertical Integration

Competitive Protein Binding
DA December 1, 1974
USE CPB

COMPILED DATA [01]
DA February 27, 1979
BT1 Numerical Data
BT2 Data
BT3 Information
RT Data Acquisition
RT Data Compilation
RT Nuclear Data Collections

COMPLEMENT [01]
DA December 1, 1974
BT1 Proteins
BT2 Organic Compounds
NT1 Properdin
RT Antibodies
RT Antigen-Antibody Reactions
RT Blood Plasma
RT Hemolysins
RT Immune System Diseases
RT Lymphokines
RT Zymosan
DEF A system of 18 proteins found in blood which plays a central role in the organism's response to microbial infection.

COMPLEX MANIFOLDS [01]
DA December 1, 1974
BT1 Mathematical Manifolds

COMPLEX TERRAIN [01]
DA March 7, 1983
RT Forecasting
RT Meteorology
RT Mountains
RT Topography
RT Valleys
DEF Land sites that are made up of a combination of mountains, valleys, plateaus, watersheds, etc.

COMPLEXES [01]
DA December 1, 1974
NT1 Actinide Complexes
NT2 Actinium Complexes
NT2 Americium Complexes
NT2 Berkelium Complexes
NT2 Californium Complexes
NT2 Curium Complexes
NT2 Einsteinium Complexes
NT2 Fermium Complexes
NT2 Lawrencium Complexes
NT2 Mendelevium Complexes
NT2 Neptunium Complexes
NT3 Neptunyl Complexes
NT2 Nobelium Complexes
NT2 Plutonium Complexes
NT3 Plutonyl Complexes
NT2 Protactinium Complexes
NT2 Thorium Complexes
NT2 Uranium Complexes
NT3 Uranyl Complexes
NT1 Alkali Metal Complexes
NT2 Cesium Complexes
NT2 Francium Complexes
NT2 Potassium Complexes
NT2 Rubidium Complexes
NT2 Sodium Complexes
NT1 Alkaline Earth Metal Complexes
NT2 Barium Complexes
NT2 Beryllium Complexes
NT2 Calcium Complexes
NT2 Magnesium Complexes
NT2 Radium Complexes
NT2 Strontium Complexes
NT1 Aluminium Complexes
NT1 Ammines
NT1 Ammonium Complexes
NT1 Antimony Complexes
NT1 Argon Complexes
NT1 Arsenic Complexes
NT1 Astatine Complexes
NT1 Bismuth Complexes
NT1 Boron Complexes
NT1 Bromine Complexes
NT1 Cadmium Complexes
NT1 Carbon Complexes
NT1 Chelates
NT1 Chlorine Complexes
NT1 Element 104 Complexes
NT1 Fluorine Complexes
NT1 Gallium Complexes
NT1 Germanium Complexes
NT1 Helium Complexes
NT1 Heteropolyanions
NT1 Hydrogen Complexes
NT1 Indium Complexes
NT1 Iodine Complexes
NT1 Krypton Complexes
NT1 Lead Complexes
NT1 Lithium Complexes
NT1 Mercury Complexes
NT1 Neon Complexes
NT1 Nitrogen Complexes
NT1 Oxygen Complexes
NT1 Phosphorus Complexes
NT1 Polonium Complexes
NT1 Radon Complexes
NT1 Rare Earth Complexes
NT2 Cerium Complexes
NT2 Dysprosium Complexes
NT2 Erbium Complexes
NT2 Europium Complexes
NT2 Gadolinium Complexes
NT2 Holmium Complexes
NT2 Lanthanum Complexes
NT2 Lutetium Complexes
NT2 Neodymium Complexes
NT2 Praseodymium Complexes
NT2 Promethium Complexes
NT2 Samarium Complexes
NT2 Terbium Complexes
NT2 Thulium Complexes
NT2 Ytterbium Complexes
NT1 Selenium Complexes
NT1 Silicon Complexes
NT1 Sulfur Complexes
NT1 Tellurium Complexes
NT1 Thallium Complexes
NT1 Tin Complexes
NT1 Transition Element Complexes
NT2 Chromium Complexes
NT2 Cobalt Complexes
NT2 Copper Complexes
NT3 Ceruloplasmin
NT2 Gold Complexes
NT2 Hafnium Complexes
NT2 Iridium Complexes
NT2 Iron Complexes
NT3 Ferricyanides
NT3 Ferritin
NT3 Ferrocene
NT3 Ferrocyanides
NT2 Manganese Complexes
NT2 Molybdenum Complexes
NT2 Nickel Complexes
NT2 Niobium Complexes
NT2 Osmium Complexes
NT2 Palladium Complexes
NT2 Platinum Complexes
NT2 Rhenium Complexes
NT2 Rhodium Complexes
NT2 Ruthenium Complexes
NT2 Scandium Complexes
NT2 Silver Complexes
NT2 Tantalum Complexes
NT2 Technetium Complexes
NT2 Titanium Complexes
NT2 Tungsten Complexes
NT2 Vanadium Complexes
NT2 Yttrium Complexes
NT2 Zirconium Complexes
NT1 Xenon Complexes
NT1 Zinc Complexes
RT Adducts
RT Complexometry
RT Coordination Number
RT Coordination Valences
RT Crown Ethers
RT Ligands
RT Ligases
RT Metalloproteins

Complexing Agents
DA May 31, 1985
USE Chelating Agents

COMPLEXOMETRY [01]
DA December 1, 1974
RT Complexes

COMPLIANCE [01]
DA November 1, 1976
RT Administrative Procedures
RT Escrow Accounts
RT Laws
RT Legal Aspects
RT Notice of Probable Violation
RT Recommendations
RT Regulations
RT Standards
RT Violations

COMPLIANCE AUDITS
DA May 21, 1983
BT1 Audits

Component Cooling Systems
DA January 30, 1975
USE Auxiliary Water Systems

COMPOSITE MATERIALS [01]
DA December 1, 1974
UF *Materials (Composite)*
BT1 Materials
NT1 Cermets
NT2 TD-Nickel
NT2 TD-Nickel Chromium
NT1 Concrete-Plastic Composites
NT1 Fiberglass
NT1 Prestressed Concrete
NT1 Reinforced Concrete
NT1 Superconducting Composites
NT1 Wood-Plastic Composites
RT Building Materials
RT Honeycomb Structures
RT Reinforced Materials

COMPOSITE MODELS [01]
DA December 1, 1974
BT1 Particle Models
BT2 Mathematical Models
NT1 Bootstrap Model
NT1 CIM Model
NT1 Parton Model
NT1 Quark Model
NT2 Bag Model
NT2 Color Model
NT2 Flavor Model
NT3 Beauty Model
NT3 Truth Model
NT2 String Models
NT3 Superstring Models
NT1 Rishon Model
RT Preons
RT Quarks

COMPOST [01]
DA July 18, 1981
BT1 Organic Wastes
BT2 Wastes
RT Composting
RT Sewage

COMPOSTING [01]
DA September 11, 1975
BT1 Waste Processing
BT2 Processing
BT2 Waste Management
BT3 Management
RT Compost
RT Decomposition

COMPOUND NUCLEI [01]
DA December 1, 1974
RT Hauser-Feshbach Theory
RT Jackson Model
RT Nuclear Models
RT Peierls Method
RT Porter-Thomas Distribution

COMPOUND-NUCLEUS REACTIONS [01]
DA December 1, 1974
BT1 Nuclear Reactions
RT Deep Inelastic Heavy Ion Reactions
RT Evaporation Model
RT Heavy Ion Fusion Reactions
RT Incomplete Fusion Reactions
RT Quasi-Fission

COMPOUND PARABOLIC CONCENTRATORS
DA November 17, 1976
UF *Winston Collectors*
BT1 Solar Concentrators
BT2 Solar Equipment
BT3 Equipment
RT Parabolic Reflectors

Compounds (Inorganic)
DA November 25, 1980
SEE Inorganic Compounds

Compounds (Organic)
DA December 1, 1974
USE Organic Compounds

COMPREIGNACITE [01]
DA December 1, 1974
BT1 Oxide Minerals
BT2 Minerals
BT1 Potassium Oxides
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT2 Potassium Compounds
BT3 Alkali Metal Compounds
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
BT1 Uranium Oxides
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT2 Uranium Compounds
BT3 Actinide Compounds

COMPRESSED AIR [01]
DA January 21, 1975
BT1 Air
BT2 Gases
BT3 Fluids
BT1 Compressed Gases
BT2 Gases
BT3 Fluids
RT Compressed Air Energy Storage
RT Compressed Air Energy Storage Equipment
RT Compressed Air Storage Power Plants
RT Compression

COMPRESSED AIR ENERGY STORAGE [01]
DA September 28, 1976
UF *CAES*
BT1 Energy Storage
BT2 Storage
RT Compressed Air
RT Compressed Air Energy Storage Equipment
RT Compressed Air Storage Power Plants
RT Compressed Gases
RT Compression

COMPRESSED AIR ENERGY STORAGE EQUIPMENT
DA September 19, 1977
BT1 Equipment
RT Compressed Air
RT Compressed Air Energy Storage
RT Compressed Air Storage Power Plants
RT Compressed Gases
RT Compression
RT Energy Storage Systems
RT Peaking Power Plants

COMPRESSED AIR STORAGE POWER PLANTS [01]
DA September 13, 1978
UF *CAES Plant*
BT1 Peaking Power Plants
BT2 Power Plants
RT Compressed Air
RT Compressed Air Energy Storage
RT Compressed Air Energy Storage Equipment
RT Compressed Gases
RT Compression

COMPRESSED GASES [01]
DA March 11, 1976
BT1 Gases
BT2 Fluids
NT1 Compressed Air
RT Compressed Air Energy Storage
RT Compressed Air Energy Storage Equipment
RT Compressed Air Storage Power Plants
RT Compressibility
RT Compression
RT Gas Compressors

Compressed Work Week
DA May 8, 1984
USE Alternative Work Schedules

COMPRESSIBILITY [01]
DA December 1, 1974
BT1 Mechanical Properties
RT Compressed Gases
RT Dilatancy
RT Gruenelsen Constant

COMPRESSIBLE FLOW [01]
DA December 1, 1974
BT1 Fluid Flow
RT Aerodynamics
RT Gas Flow
RT Subsonic Flow
RT Supersonic Flow
RT Transonic Flow

COMPRESSION [01]
DA December 1, 1974
NT1 Magnetic Compression
RT Compressed Air
RT Compressed Air Energy Storage
RT Compressed Air Energy Storage Equipment
RT Compressed Air Storage Power Plants
RT Compressed Gases
RT Compression Ratio
RT Pressurization

COMPRESSION RATIO
DA March 17, 1981
RT Compression
RT Internal Combustion Engines
DEF In internal combustion engines, the ratio between the volume displaced by the piston plus the clearance space to the volume of the clearance space.

COMPRESSION STRENGTH [01]
DA December 1, 1974
UF *Strength (Compression)*
BT1 Mechanical Properties
RT Tensile Properties

COMPRESSOR BLADES
DA October 1, 1975
UF *Blades (Compressor)*
RT Compressors
RT Turbine Blades

COMPRESSORS [01]
DA December 1, 1974
NT1 Gas Compressors
NT1 Magnetoplasma Compressors
NT1 Superchargers
NT2 Turbochargers
RT Blowers
RT Compressor Blades
RT Pressurizers
RT Pumps
RT Reactor Cooling Systems
RT Turbomachinery

COMPTON DIODE DETECTORS [01]
DA December 1, 1974
BT1 Radiation Detectors
BT2 Measuring Instruments
RT Gamma Detection
RT Self-Powered Detectors

COMPTON EFFECT [01]
DA December 1, 1974
UF *Compton Scattering*
BT1 Elastic Scattering
BT2 Scattering
BT1 Electromagnetic Interactions
BT2 Basic Interactions
BT3 Interactions
RT Compton Scattering Tomography
RT Compton Wavelength
RT Klein-Nishina Formula

Compton Scattering
DA December 1, 1974
USE Compton Effect

COMPTON SCATTERING TOMOGRAPHY [01]
(Tomography based on the detection by a gamma camera of the 90^0 Compton scattering of a planar gamma beam produced by an external source.)
DA May 6, 1980
BT1 Tomography
BT2 Diagnostic Techniques
RT Biomedical Radiography
RT Compton Effect
RT Gamma Cameras

COMPTON SPECTROMETERS [01]
DA December 1, 1974
BT1 Gamma Spectrometers
BT2 Spectrometers
BT3 Measuring Instruments

COMPTON WAVELENGTH
DA January 21, 1975
RT Compton Effect
DEF Wavelength characteristic of particles; its value is h/(mc).

Computed Tomography
DA May 7, 1980
USE Computerized Tomography

COMPUTER-AIDED DESIGN [01]
DA February 19, 1976
BT1 Design
RT Computer-Aided Manufacturing
RT Computer Graphics
RT Computer-Graphics Devices
RT Computers
RT Mathematical Models
RT Planning

COMPUTER-AIDED INSTRUCTION [01]
DA December 10, 1987
BT1 Training
BT2 Education
RT Education

COMPUTER-AIDED MANUFACTURING [01]
DA July 7, 1983
UF *CAM*
BT1 Manufacturing
RT Automation
RT Computer-Aided Design
RT Computer Graphics
RT Fabrication
RT Machine Tools
RT On-Line Control Systems
RT Production

COMPUTER ARCHITECTURE [01]
DA July 25, 1986
RT Array Processors
RT Computer Output Devices
RT Computers
RT Digital Systems
RT Electronic Equipment
RT Equipment Interfaces
RT Neural Networks
RT Real Time Systems
DEF A term widely used to describe the physical characteristics of computer hardware or software such as "16-bit architecture".

Computer Axial Tomography Scanning
DA March 3, 1978
USE CAT Scanning

COMPUTER CALCULATIONS [01]
(Methods, not results.)
DA December 1, 1974
UF *Calculations (Computer)*
RT Boundary Element Method
RT Computer Graphics
RT Computer-Graphics Devices
RT Computerized Simulation
RT Computers
RT Data Analysis
RT Mathematical Models
RT Mesh Generation
RT Numerical Analysis
RT Sensitivity Analysis

COMPUTER CODES [01]
(Computer codes are indexed by their initial letter and CODES, e.g., A CODES. If the code name begins with a number the code is indexed to NUMBER CODES.)
DA December 1, 1974
UF *Computer Programs*
NT1 A Codes
NT1 B Codes
NT1 C Codes
NT1 D Codes
NT1 E Codes
NT1 Executive Codes
NT1 F Codes
NT1 G Codes
NT1 H Codes
NT1 I Codes
NT1 J Codes
NT1 K Codes
NT1 L Codes
NT1 M Codes
NT1 N Codes
NT1 Number Codes
NT1 O Codes
NT1 P Codes
NT1 Q Codes
NT1 R Codes
NT1 S Codes
NT1 T Codes
NT1 Translators
NT1 U Codes
NT1 V Codes
NT1 W Codes
NT1 X Codes
NT1 Y Codes
NT1 Z Codes
RT Algorithms
RT Computer Program Documentation
RT Programming
RT Programming Languages
RT Random Number Generators
RT Speech Synthesizers
RT Text Editors

COMPUTER GRAPHICS [01]
DA January 21, 1975
RT Chernoff Faces
RT Computer-Aided Design
RT Computer-Aided Manufacturing
RT Computer Calculations
RT Computer-Graphics Devices
RT Computer Output Devices
RT Diagrams
RT Display Devices
RT Interactive Display Devices
RT Plotters
DEF The technique of combining computer calculations with various display devices, printers, plotters, etc. to render information in graphical or pictorial format.

COMPUTER-GRAPHICS DEVICES [01]
DA December 1, 1974
BT1 Computer Output Devices
NT1 Display Devices
NT2 Interactive Display Devices
NT1 Plotters
RT Computer-Aided Design
RT Computer Calculations
RT Computer Graphics
RT Diagrams

Computer Languages
DA December 1, 1974
USE Programming Languages

COMPUTER NETWORKS [01]
DA November 1, 1976
UF *Networks (Computer)*
RT Computers
RT Data Transmission
RT Information Systems
RT On-Line Systems
RT Real Time Systems

COMPUTER OUTPUT DEVICES [01]
DA March 22, 1976
NT1 Computer-Graphics Devices
NT2 Display Devices
NT3 Interactive Display Devices
NT2 Plotters
RT Computer Architecture
RT Computer Graphics
RT Computers

COMPUTER PROGRAM DOCUMENTATION [01]
(Use only in conjunction with literary indicator V for indexing the actual documentation which enables the installation and use of a computer code.)
DA October 23, 1987
RT Computer Codes
RT Manuals
RT Programming
RT Programming Languages

Computer Programming
DA December 1, 1974
USE Programming

Computer Programs
DA December 1, 1974
USE Computer Codes

COMPUTERIZED CONTROL SYSTEMS [01]
DA March 4, 1980
BT1 On-Line Control Systems
BT2 Control Systems
BT2 On-Line Systems
RT Computers
RT Control Equipment
RT Energy Management Systems
RT Fault Tolerant Computers

COMPUTERIZED SIMULATION [01]
DA April 11, 1979
BT1 Simulation
RT Computer Calculations
RT Energy Models
RT Numerical Analysis
DEF Computer-calculated representation of a process, device, or concept in mathematical form.

COMPUTERIZED TOMOGRAPHY [01]
(An imaging technique in which transmission measurements of a narrow beam of rays, photons, or particles made at several different angles around an object may be used with a computer program to obtain a clear image of one plane of the object.)
DA May 6, 1980
UF *Computed Tomography*
BT1 Tomography
BT2 Diagnostic Techniques
NT1 CAT Scanning
NT1 Emission Computed Tomography
NT2 ECAT Scanning
NT2 Positron Computed Tomography
NT2 Single Photon Emission Computed Tomography
NT1 Photon Computed Tomography
NT1 Proton Computed Tomography
RT Biomedical Radiography
RT Image Processing
RT Image Scanners
RT Sequential Scanning

COMPUTERS [01]
DA December 1, 1974
UF+ *On-Line Computers*
NT1 ALWAC Computers
NT1 Amdahl Computers
NT1 Analog Computers
NT1 Atlas Computers
NT1 BESM Computers
NT1 Burroughs Computers
NT1 CDC Computers
NT1 Cray Computers
NT1 DEC Computers

NT2 PDP Computers
NT1 Denelcor Computers
NT1 Digital Computers
NT2 CII Computers
NT2 Fault Tolerant Computers
NT2 Microcomputers
NT3 Personal Computers
NT2 Parameter Computers
NT2 Supercomputers
NT3 Cedar Computers
NT1 DPP Computers
NT1 ES Computers
NT1 Facom Computers
NT1 Ferranti Computers
NT1 Fluidic Computers
NT1 Fujitsu Computers
NT1 GE Computers
NT1 Hitachi Computers
NT1 Honeywell Computers
NT1 HP Computers
NT1 Hybrid Computers
NT1 Hypercube Computers
NT1 IBM Computers
NT1 ICL Computers
NT1 Illiac Computers
NT1 KDF Computers
NT1 Maniac Computers
NT1 Microprocessors
NT2 Apple Computers
NT1 Midas Computer
NT1 Minsk Computers
NT1 NEC Computers
NT1 Nord Computers
NT1 Optical Computers
NT1 Orion Computers
NT1 Philco Computers
NT1 Process Computers
NT1 Razdan Computers
NT1 SDS Computers
NT1 Serac Computers
NT1 Siemens Computers
NT1 Silliac Computers
NT1 Tosbac Computers
NT1 Univac Computers
NT1 Ural Computers
NT1 Varian Computers
NT1 XDS Computers
RT Analog Systems
RT Array Processors
RT Artificial Intelligence
RT Calculators
RT CAMAC System
RT Card Punches
RT Computer-Aided Design
RT Computer Architecture
RT Computer Calculations
RT Computer Networks
RT Computer Output Devices
RT Computerized Control Systems
RT Data Processing
RT Data-Flow Processing
RT Digital Systems
RT Electronic Equipment
RT Equipment Interfaces
RT Fastbus System
RT Machine Translations
RT Magnetic Cores
RT Memory Management
RT Nuclear Instrument Modules
RT Parallel Processing
RT Programming
RT Real Time Systems
RT Vector Processing

CONCANAVALIN A [01]
(Prior to Novermber 1990, this material was indexed to CONCANAVALIN.)
DA March 13, 1981
BT1 Hemagglutinins
BT2 Agglutinins
BT3 Antibodies
BT1 Lectins
RT Cell Cycle
RT Cell Proliferation
RT Lymphocytes
RT Mitosis

Concentrates
DA December 1, 1974
USE Ore Concentrates

CONCENTRATING COLLECTORS [01]
DA June 21, 1977
BT1 Solar Collectors
BT2 Solar Equipment
BT3 Equipment
NT1 Fixed Mirror Collectors
NT1 Parabolic Collectors
NT2 Parabolic Dish Collectors
NT2 Parabolic Trough Collectors
NT1 Slat Type Collectors
NT1 Tower Focus Collectors
NT1 V Trough Collectors
RT Solar Concentrators
RT Solar Receivers

Concentration
DA December 20, 1978
SEE Abundance
OR Concentration Ratio
OR Ecological Concentration

Concentration (Analytical)
DA December 1, 1974
USE Abundance

Concentration Dependence
DA December 1, 1974
USE Abundance

CONCENTRATION RATIO [01]
(See also ISOTOPE RATIO. Prior to July 1992 much of this information was indexed to QUANTITY RATIO.)
DA April 6, 1978
UF *Quantity Ratio*
SF *Concentration*
RT Abundance
RT Concentrator Solar Cells
RT Ecological Concentration
RT Mineral Cycling
RT Quantitative Chemical Analysis
RT Radioecological Concentration
RT Radionuclide Kinetics
RT Solar Concentrators
RT Thermodynamic Activity
DEF Quantitative values of at least one entity in another.

Concentrations (Radionuclides)
DA December 1, 1974
USE Radioactivity

CONCENTRATOR SOLAR CELLS
(Prior to July, 1979 SOLAR CELLS or specific solar cells descriptors and SOLAR CONCENTRATORS were used to index this concept.)
DA July 18, 1979
BT1 Solar Cells
BT2 Photovoltaic Cells
BT3 Photoelectric Cells
BT4 Direct Energy Converters
BT2 Solar Equipment
BT3 Equipment
RT Concentration Ratio
RT Solar Concentrators
RT Solar Receivers

CONCENTRATORS
DA February 19, 1976
NT1 Centrifuges
NT2 Gas Centrifuges
NT2 Plasma Centrifuges
NT2 Ultracentrifuges
NT1 Cyclone Separators
NT1 Dewatering Equipment
NT1 Jigs
NT1 Magnetic Separators
RT Screens
RT Separation Processes
RT Sorting

CONCRETE BLOCKS
DA July 18, 1979
BT1 Building Materials
BT2 Materials
RT Concretes

CONCRETE-PLASTIC COMPOSITES [01]
DA January 21, 1975
BT1 Composite Materials
BT2 Materials
RT Cements
RT Concretes
RT Organic Polymers
RT Plastics

CONCRETE STRINGERS [01]
DA December 1, 1974
RT Reinforced Concrete

CONCRETES [01]
DA December 1, 1974
BT1 Building Materials
BT2 Materials
NT1 Prestressed Concrete
NT1 Reinforced Concrete
RT Cements
RT Concrete Blocks
RT Concrete-Plastic Composites
RT Mortars
RT Sand
RT Shielding Materials

CONCRETIONS
DA May 5, 1975
BT1 Geologic Deposits
RT Minerals
RT Rocks
DEF Bodies within host rocks representing local concentrations of cementing materials.

CONDENSATES [01]
DA December 1, 1974
NT1 Gas Condensates
RT Vapor Condensation

Condensation (Organic Compounds)
DA April 28, 1983
USE Dehydrocyclization

Condensation (Vapor)
DA December 1, 1974
USE Vapor Condensation

CONDENSATION CHAMBERS [01]
DA December 1, 1974
RT Control Equipment
RT Pressure Suppression
RT Reactor Components
RT Reactor Cooling Systems
RT Reactor Safety
RT Vapor Condensation

CONDENSATION NUCLEI [01]
DA April 6, 1978
RT Aerosols
RT Aitken Nuclei
RT Meteorology
RT Particles
RT Vapor Condensation
DEF Small particles (as of dust) upon which water vapor condenses in the atmosphere.

CONDENSED AROMATICS [01]
DA December 1, 1974
UF *Fluoranthene*
BT1 Aromatics
BT2 Organic Compounds
NT1 3-Methylcholanthrene
NT1 Acenaphthene
NT1 Anthracene
NT1 Benzanthracene
NT1 Benzopyrene
NT1 Cholanthrene
NT1 Chrysene
NT1 Dimethylbenzanthracene
NT1 Fluorene
NT1 Indene
NT1 Indocyanine Green
NT1 Methylnaphthalenes
NT1 Naphthalene
NT1 Pentacene
NT1 Perylene
NT1 Phenanthrene
NT1 Pyrene
NT1 Tetracene
NT1 Triphenylene
NT1 Violanthrone

CONDENSED CYCLOALKANES
DA December 16, 1976
BT1 Cycloalkanes
BT2 Alkanes
BT3 Hydrocarbons
BT4 Organic Compounds

CONDENSER COOLING SYSTEMS [01]
DA June 30, 1975
BT1 Auxiliary Water Systems
BT2 Auxiliary Systems
BT1 Cooling Systems
BT2 Energy Systems
RT Reactor Cooling Systems
DEF Auxiliary water systems designed for heat dissipation in thermal power plants. May be of open circuit or closed cycle design.

CONDENSER IONIZATION CHAMBERS [01]
DA December 1, 1974
UF *Pocket Chambers*
BT1 Dosemeters
BT2 Measuring Instruments
BT1 Ionization Chambers
BT2 Radiation Detectors
BT3 Measuring Instruments
RT Electrometers

CONDENSERS
DA January 28, 1975
UF *Liquefiers*
NT1 Vapor Condensers
NT2 Cold Traps
NT2 Steam Condensers
NT3 Ice Condensers
NT3 Isolation Condensers

Condensers (Electric)
DA December 1, 1974
USE Capacitors

Condensers (Steam)
DA December 1, 1974
USE Steam Condensers

Condensers (Vapor)
DA December 1, 1974
USE Vapor Condensers

CONDIMENTS
DA April 15, 1975
UF *Seasonings*
RT Food

Condition Ratio
DA January 21, 1983
USE Formation Damage

CONDITIONED REFLEXES [01]
DA December 1, 1974
BT1 Reflexes
RT Avoidance
RT Cerebral Cortex
RT Learning

Conductivity (Electric)
DA December 1, 1974
USE Electric Conductivity

Conductivity (Thermal)
DA December 1, 1974
USE Thermal Conductivity

CONDUCTOR DEVICES [01]
DA December 1, 1974
BT1 Electrical Equipment
BT2 Equipment
NT1 Connectors
NT1 Electric Cables
NT2 Coaxial Cables
NT2 Cryogenic Cables
NT2 Gas-Insulated Cables
NT2 Oil-Filled Cables
NT2 Superconducting Cables
NT1 Electric Fuses
RT Electric Conductors
RT Resistors

Conductors (Electric)
DA December 1, 1974
USE Electric Conductors

CONES [01]
DA April 8, 1975
RT Shape

Conferences
DA December 1, 1974
USE Meetings

CONFIGURATION [01]
(For the relative arrangement of component parts; for electron configuration in atoms and molecules use ELECTRONIC STRUCTURE; for nuclear configuration use NUCLEAR STRUCTURE; for molecular configuration use MOLECULAR STRUCTURE.)
DA December 1, 1974
UF+ *Fuel Rod Consolidation*
NT1 Annular Space
NT2 Toroidal Configuration
NT1 Circular Configuration
NT1 Conical Configuration
NT1 Cylindrical Configuration
NT1 Elliptical Configuration
NT1 Helical Configuration
NT1 Hexagonal Configuration
NT1 Prismatic Configuration
NT1 Rectangular Configuration
NT2 Square Configuration
NT1 Spherical Configuration
NT1 Spiral Configuration
NT1 Triangular Configuration
RT Anisotropy
RT Asymmetry
RT Crystal Faces
RT Crystal Structure
RT Geometry
RT Isotropy
RT Mass Distribution
RT Morphology
RT Network Analysis
RT Orientation
RT Reactor Lattices
RT Rings
RT Shape
RT Symmetry

CONFIGURATION CONTROL [01]
DA December 1, 1974
BT1 Control
NT1 Spectral Shift Control
RT Moderators
RT Neutron Reflectors
RT Reactor Control Systems
RT Reactor Lattices
RT Reflector Savings
DEF Reactor control by varying the configuration of the fuel, reflector, coolant or moderator.

Configuration Dependence
DA August 7, 1979
USE Space Dependence

CONFIGURATION INTERACTION [01]
(Not an interaction in the sense of INTERACTIONS.)
DA December 1, 1974
RT Atomic Models
RT Conformational Changes
RT Electronic Structure
RT Molecular Structure

CONFIGURATION MIXING [01]
DA December 1, 1974
BT1 Interactions
RT Kobayashi-Maskawa Matrix

CONFINEMENT [01]
DA December 1, 1974
NT1 Plasma Confinement
NT2 H-Mode Plasma Confinement
NT2 Inertial Confinement
NT2 Magnetic Confinement
RT Electron Rings
RT Energy Balance
RT Ion Rings
RT Magnetic Field Configurations
RT Magnetic Insulation
RT Plasma
RT Tritium Recovery

CONFINEMENT TIME [01]
DA April 4, 1975
RT H-Mode Plasma Confinement
RT Lawson Criterion
RT Plasma Confinement
RT Plasma Disruption
RT Thermonuclear Devices
RT Thermonuclear Reactors
RT Time Dependence

CONFLICTS OF INTEREST [01]
DA August 25, 1980
RT Antitrust Laws
RT Contracts
RT Laws
RT Legal Aspects

CONFORMAL GROUPS [01]
DA December 1, 1974
BT1 Lie Groups
BT2 Symmetry Groups
RT Conformal Invariance
RT Conformal Mapping

CONFORMAL INVARIANCE [01]
DA December 1, 1974
BT1 Invariance Principles
RT Conformal Groups
RT Scale Dimension
RT Scale Invariance

CONFORMAL MAPPING [01]
DA December 1, 1974
BT1 Topological Mapping
BT2 Mapping
BT2 Transformations
RT Conformal Groups
RT Mathematics
RT Smooth Manifolds

CONFORMATIONAL CHANGES [01]
DA February 11, 1980
RT Configuration Interaction
RT Electronic Structure
RT Molecular Structure

CONGENITAL DISEASES [01]
DA December 1, 1974
BT1 Diseases
NT1 Downs Syndrome
NT1 Xeroderma Pigmentosum
RT Congenital Malformations
RT Hereditary Diseases

CONGENITAL MALFORMATIONS [01]
DA December 1, 1974
BT1 Malformations
BT2 Pathological Changes
NT1 Downs Syndrome
RT Congenital Diseases
RT Delayed Radiation Effects
RT Fetuses
RT Genetic Effects
RT Mutations
RT Pediatrics
RT Teratogenesis
RT Teratogens

CONGLOMERATES [01]
(Limited to geological formations.)
DA December 1, 1974
BT1 Sedimentary Rocks
BT2 Rocks
NT1 Calcretes

Congo Democratic Republic
DA December 1, 1974
USE Zaire Republic

Congo Kinshasa TRIGA Reactor
DA December 1, 1974
USE TRICO Reactor

CONGO PEOPLES REPUBLIC [01]
DA December 1, 1974
BT1 Africa

BT1 Developing Countries
NT1 Brazzaville

CONGO RED [01]
DA December 1, 1974
BT1 Amines
BT2 Organic Compounds
BT1 Azo Dyes
BT2 Azo Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
BT2 Dyes
BT1 Indicators
BT1 Sulfonic Acids
BT2 Organic Acids
BT3 Organic Compounds
BT2 Organic Sulfur Compounds
BT3 Organic Compounds
RT Benzidine

Congressional Hearings
DA November 11, 1975
USE Hearings

CONGRESSIONAL INQUIRIES
DA March 23, 1983
RT Information
DEF Requests by members of Congress for information; not to be used for congressional hearings.

CONICAL CONFIGURATION [01]
DA September 11, 1975
BT1 Configuration

CONIDIA [01]
DA December 1, 1974
BT1 Spores
RT Fungi

CONIFERS [01]
DA December 1, 1974
BT1 Pinophyta
BT2 Plants
NT1 Cedars
NT1 Firs
NT1 Hemlocks
NT1 Larches
NT1 Pines
NT1 Spruces
RT Lightwood
RT Shrubs
RT Trees

Coning
DA March 11, 1976
USE Channeling

Conjugate Points
DA December 1, 1974
USE Geomagnetic Conjugacy

CONJUNCTIVA [01]
DA December 1, 1974
BT1 Eyes
BT2 Face
BT3 Head
BT4 Body Areas
BT5 Body
BT2 Sense Organs
BT3 Organs
BT4 Body
BT1 Mucous Membranes
BT2 Membranes
RT Conjunctivitis
RT Epithelium

CONJUNCTIVITIS [01]
DA December 1, 1974
BT1 Sense Organs Diseases
BT2 Diseases
RT Conjunctiva

CONNAH QUAY-B REACTOR [01]
DA December 1, 1974
BT1 AGR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 GCR Type Reactors
BT3 Gas Cooled Reactors
BT4 Reactors
BT3 Graphite Moderated Reactors
BT4 Reactors
BT1 Carbon Dioxide Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors

CONNATE WATER
DA January 23, 1975
BT1 Interstitial Water
BT2 Ground Water
BT3 Water
BT4 Hydrogen Compounds
BT4 Oxygen Compounds
DEF Water entrapped in the interstices of a sedimentary or extrusive igneous rock at the time of its deposition.

CONNECTICUT [01]
DA December 1, 1974
BT1 USA
BT2 Developed Countries
BT2 North America
RT Connecticut River
RT Connecticut River Basin
RT US East Coast

CONNECTICUT RIVER [01]
DA January 21, 1975
BT1 Rivers
BT2 Streams
BT3 Surface Waters
RT Connecticut
RT Connecticut River Basin
RT Massachusetts
RT New Hampshire
RT Vermont

CONNECTICUT RIVER BASIN [01]
DA September 19, 1977
BT1 Watersheds
RT Connecticut
RT Connecticut River
RT Massachusetts
RT New Hampshire
RT Vermont

CONNECTICUT YANKEE REACTOR [01]
DA December 1, 1974
UF *Haddam Neck Reactor*
UF *Yankee Connecticut Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

Connecting
DA December 1, 1974
USE Fastening

Connections
DA December 1, 1974
USE Joints

CONNECTIVE TISSUE [01]
DA December 1, 1974
BT1 Animal Tissues
BT2 Tissues
BT3 Body
NT1 Adipose Tissue
NT1 Bone Tissues
NT2 Antlers
NT2 Trabecular Bone
NT1 Cartilage
NT1 Fascia
NT1 Ligaments
NT1 Tendons
RT Blood
RT Collagen
RT Connective Tissue Cells
RT Fibrosis
RT Reticuloendothelial System

CONNECTIVE TISSUE CELLS [01]
DA December 1, 1974
UF *Osteoblasts*
BT1 Somatic Cells
BT2 Animal Cells
NT1 Bone Cells
NT1 Bone Marrow Cells
NT1 Fat Cells
NT1 Fibroblasts
NT1 Lymphocytes
NT1 Macrophages
NT1 Mast Cells
NT1 Plasma Cells
RT Connective Tissue

CONNECTORS [01]
DA December 1, 1974
BT1 Conductor Devices
BT2 Electrical Equipment
BT3 Equipment
RT Potheads
RT Switches

Conoco Gasification Process
(Prior to July 1993, this was a valid descriptor.)
DA June 13, 1981
USE Coal Gasification
DEF The process is based on British Gas/Lurgi slagging gasification technology and shift/methanation technology developed by Conoco Inc.

CONOCO PROCESS
DA November 1, 1976
BT1 Desulfurization
BT2 Chemical Reactions
RT Low BTU Gas
DEF Desulfurization of low Btu gas from coal gasification by reacting H_2S with $CaCO_3.MgO$ at 1775^{0}F and 15 atm to form CaS.MgO.

CONSENT ORDERS
DA December 10, 1979
BT1 Decisions and Orders
BT2 Administrative Procedures

Conservation (Energy)
DA November 23, 1979
USE Energy Conservation

Conservation (Resource)
DA September 11, 1975
USE Resource Conservation

CONSERVATION LAWS [01]
DA December 1, 1974
RT Basic Interactions
RT Continuity Equations
RT Invariance Principles
RT Particle Kinematics

CONSOL FGD PROCESS
(s)
DA August 24, 1977
BT1 Desulfurization
BT2 Chemical Reactions
RT Scrubbers
DEF Concentrated aqueous solution of potassium thiosulfate is circulated through a pump-around loop containing a packed bed scrubber for SO_2 removal and an external reaction drum.

CONSOL STIRRED BED PROCESS
DA November 28, 1975
RT Carbonization
RT Chars
DEF Fluidized-bed carbonization of ground coal in vessel equipped with stirrer blades.

Consol Synthetic Fuel Process
DA January 28, 1975
USE CSF Process

CONSOL SYNTHETIC GAS PROCESS
DA January 24, 1975
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes
DEF Coarse caking coal and non-caking pellets are gasified conventionally in a fixed bed to produce a low-BTU gas with air or a synthesis gas with oxygen.

CONSOLES [01]
DA December 1, 1974
RT Control Rooms
RT Display Devices
RT Electronic Equipment

Consolidated Edison Thorium Reactor
DA December 1, 1974
USE Indian Point-1 Reactor

CONSOLIDATED FUEL REPROCESSING PROGRAM
DA October 27, 1980
UF *CFRP Program*
BT1 Coordinated Research Programs
BT2 Research Programs
RT HEF
RT Reprocessing
DEF A comprehensive program to develop and demonstrate breeder reprocessing and recycle.

Consolidation (Sand)
DA May 18, 1981
USE Sand Consolidation

CONSORT-2 REACTOR [01]
(Imperial College of Science and Technology for Univ. of London, Scot. Berkshire, United Kingdom)
DA December 1, 1974
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors

CONSPIRACY RELATIONS [01]
DA December 1, 1974
RT Regge Poles
RT Scattering

CONSTANTAN
DA December 1, 1974
BT1 Alloy-Cu52Ni47
BT2 Copper Base Alloys
BT3 Copper Alloys
BT4 Alloys
BT2 Nickel Alloys
BT3 Alloys
BT1 Copper Base Alloys
BT2 Copper Alloys
BT3 Alloys
BT1 Nickel Alloys
BT2 Alloys

CONSTIPATION [01]
DA June 16, 1975
BT1 Symptoms
RT Diarrhea
RT Digestive System Diseases
RT Intestines

Constituent Interchange Model
DA April 27, 1978
USE CIM Model

CONSTRAINTS
(Use to denote all barriers to development.)
DA July 18, 1981
UF *Barriers (Institutional)*
RT Institutional Factors
RT Legal Aspects
RT Political Aspects

CONSTRUCTION [01]
DA December 1, 1974
UF *Building (Constructing)*
NT1 CWIP
RT AFUDC
RT Building Codes
RT Buildings
RT Construction Industry
RT Contracts
RT Excavation
RT Foundations
RT Installation
RT Mechanical Structures
RT Mine Drivage
RT Modifications
RT Modular Structures
RT Nuclear Industry
RT Planning
RT Retrofitting
RT Schedules
RT Structural Beams

CONSTRUCTION INDUSTRY [01]
DA September 19, 1977
BT1 Industry
RT Architects
RT Builders
RT Buildings
RT Construction
RT Engineers
RT Modular Structures

CONSTRUCTION PERMITS [01]
DA March 8, 1978
BT1 Licenses
BT1 Permits
BT2 Administrative Procedures

Construction Work in Progress
DA November 14, 1978
USE CWIP

CONSTRUCTIVE FIELD THEORY [01]
DA March 8, 1978
UF *Euclidean Quantum Field Theory*
BT1 Quantum Field Theory
BT2 Field Theories

CONSULTANTS
DA July 9, 1980
BT1 Professional Personnel
BT2 Personnel
BT3 Man
BT4 Primates
BT5 Mammals
BT6 Vertebrates
BT7 Animals
RT Contracts

CONSUMER GUIDES
DA June 21, 1977
RT Consumer Products
RT Consumer Protection
RT Energy Conservation

CONSUMER PRICE INDEX
DA September 27, 1979
RT Economics
RT Prices
RT Retail Prices
RT Wholesale Price Index

CONSUMER PRODUCTS [01]
(Articles of commerce available to the general public. When possible, use descriptors for the specific products.)
DA October 20, 1977
UF *Cosmetics*
RT Advertising
RT Clothing
RT Consumer Guides
RT Consumer Protection
RT Drugs
RT Food

CONSUMER PROTECTION [01]
DA June 21, 1977
RT Consumer Guides
RT Consumer Products
RT Financial Assistance
RT Interest Groups
RT Legal Aspects
RT Product Labeling
RT Public Relations
RT Regulations
RT US Natural Gas Policy Act
RT Warranties

Consumers Michigan Palisades Reactor
DA December 1, 1974
USE Palisades-1 Reactor

Consumers Power Company Midland-1
DA December 1, 1974
USE Midland-1 Reactor

Consumers Power Company Midland-2
DA December 1, 1974
USE Midland-2 Reactor

CONSUMPTION RATES [01]
(For actions, ratios, percentages; not for consumption as a function of time.)
DA April 30, 1975
RT Energy Consumption
RT Fuel Consumption

CONTACT HANDLING [01]
DA October 24, 1984
RT Materials Handling
RT Materials Handling Equipment
RT Remote Handling
DEF Capable of being handled by contact methods because of low surface radiation dose rate.

Contact Radiotherapy
DA December 1, 1974
USE Radiotherapy

Contactors
DA December 1, 1974
USE Switches

Contacts (Electric)
DA December 1, 1974
USE Electric Contacts

CONTAINED EXPLOSIONS [01]
DA December 1, 1974
BT1 Explosions
NT1 Monique Event
NT1 Pokhran Event
NT1 Wagon Wheel Event
RT Bedrock Project
RT Bowline Operation
RT Chemical Explosions
RT Crosstie Operation
RT Emery Operation
RT Flintlock Operation
RT Fusileer Operation
RT Grommet Operation
RT Latchkey Operation
RT Mandrel Operation
RT Mining
RT Nougat Operation
RT Nuclear Explosions
RT Praetorian Project
RT Sun Beam Operation
RT Surface Mining
RT Toggle Operation
RT Underground Explosions
RT Underground Mining
RT Whetstone Operation

CONTAINERS [01]
DA December 1, 1974
UF *Canisters*
UF *Vessels*
NT1 Calandrias
NT1 Capsules
NT1 Casks
NT2 Spent Fuel Casks

NT1 Dewars
NT1 Gas Cylinders
NT1 Hoppers
NT1 Pressure Vessels
NT1 Reactor Vessels
NT1 Tanks
NT2 Accumulators
NT3 Hydraulic Accumulators
NT2 Floating Roof Tanks
RT Containment
RT Coverings
RT Liners
RT Packaging
RT Radiation Sources
RT Reactor Components
RT Shielding
RT Transport

CONTAINMENT [01]
DA December 1, 1974
NT1 Containment Buildings
NT1 Containment Shells
NT1 Containment Systems
NT2 Containment Spray Systems
RT Containers
RT Containment Mockup Facility
RT Containment Research Installation
RT Fission Product Release
RT Fission Products
RT Gloveboxes
RT Leaks
RT Radiation Protection
RT Reactor Components
RT Reactor Safety
RT Sealed Sources
RT Source Terms

CONTAINMENT BUILDINGS [01]
DA December 1, 1974
UF *Buildings (Containment)*
BT1 Buildings
BT1 Containment

CONTAINMENT MOCKUP FACILITY [01]
DA December 1, 1974
BT1 Reactor Safety Experiments
RT Containment

CONTAINMENT RESEARCH INSTALLATION [01]
DA December 1, 1974
BT1 Reactor Safety Experiments
RT Containment

CONTAINMENT SHELLS [01]
DA December 1, 1974
UF *Shells (Containment)*
BT1 Containment

CONTAINMENT SPRAY SYSTEMS [01]
DA December 1, 1974
UF *Spray Systems (Containment)*
BT1 Containment Systems
BT2 Containment
BT2 Engineered Safety Systems
RT Pressure Suppression
RT Reactor Safety

CONTAINMENT SYSTEMS [01]
DA December 1, 1974
BT1 Containment
BT1 Engineered Safety Systems
NT1 Containment Spray Systems
RT Containment Systems Experiment
RT Fission Products
RT Ice Condensers

CONTAINMENT SYSTEMS EXPERIMENT [01]
DA December 1, 1974
BT1 Reactor Safety Experiments
RT Containment Systems

CONTAMINATION [01]
DA December 1, 1974
NT1 Surface Contamination
NT1 Transfrontier Contamination
RT Body Burden
RT Clean Rooms
RT Contamination Regulations
RT Environment
RT Fallout
RT Fission Product Release
RT Fouling
RT Global Aspects
RT Impurities
RT LCPMPDPW
RT Liquid Contamination Monitors
RT Maximum Acceptable Contamination
RT Medical Surveillance
RT Minimization
RT OECD MCMSDRW
RT Pollutants
RT Radioactive Wastes
RT Radioactivity
RT Radioactivity Transport
RT Radioecological Concentration
RT Remedial Action
RT Surface Contamination Monitors

Contamination (Internal)
DA December 1, 1974
USE Radionuclide Kinetics

Contamination (Surface)
DA December 1, 1974
USE Surface Contamination

CONTAMINATION REGULATIONS [01]
(Regulations for radioactive contamination only; see also POLLUTION REGULATIONS.)
DA December 1, 1974
BT1 Pollution Regulations
BT2 Regulations
NT1 Maximum Acceptable Contamination
RT Contamination
RT Transfrontier Contamination

Content Analysis
DA December 1, 1974
USE Chemical Analysis

CONTINENTAL CRUST [01]
DA September 19, 1977
BT1 Earth Crust
RT Earth Planet
RT Oceanic Crust

CONTINENTAL MARGIN [01]
DA December 11, 1978
NT1 Continental Shelf
NT1 Continental Slope
RT Coastal Waters
DEF The ocean floor that is between the shoreline and the abyssal ocean floor including the continental borderland, the continental shelf, the continental slope, and the continental rise.

CONTINENTAL SHELF [01]
DA May 5, 1975
UF *Outer Continental Shelf*
BT1 Continental Margin
RT Coastal Waters
RT Coastal Zone Management Act
RT Continental Slope
RT Mid-Atlantic Bight
RT New York Bight
RT Santa Barbara Channel
RT South Atlantic Bight
RT Submarine Canyons
RT Territorial Waters

CONTINENTAL SLOPE [01]
DA June 14, 1978
BT1 Continental Margin
RT Coastal Waters
RT Continental Shelf
RT Submarine Canyons
DEF That part of the continental margin that is between the continental shelf and the continental rise.

CONTINUED FRACTIONS [01]
(Finite or infinite.)
DA December 1, 1974
RT Analytic Functions
RT Series Expansion

CONTINUITY EQUATIONS [01]
DA December 1, 1974
BT1 Partial Differential Equations
BT2 Differential Equations
BT3 Equations
RT Conservation Laws
RT Electromagnetism
RT Fluid Flow
RT Heat Transfer

CONTINUOUS CULTURE [01]
DA June 14, 1978
RT Aerobic Digestion
RT Anaerobic Digestion
RT Batch Culture
RT Culture Media
RT Fermentation
RT Semibatch Culture
RT Single Cell Protein

CONTINUOUS CURRENT TOKAMAK [01]
DA September 13, 1991
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

Continuous Intake
DA December 1, 1974
USE Chronic Intake

Continuous Irradiation
DA December 1, 1974
USE Chronic Irradiation

CONTINUOUS MINERS
DA May 3, 1978
BT1 Cutter Loaders
BT2 Cutting Machines
BT3 Mining Equipment
BT4 Equipment
BT2 Loaders
BT3 Haulage Equipment
BT4 Materials Handling Equipment
BT5 Equipment

Continuous Vacuum Casting
DA December 1, 1974
USE Vacuum Casting

Contract Administration
DA March 24, 1983
USE Contract Management

CONTRACT MANAGEMENT [01]
(Prior to March 1983 this concept was indexed to PROGRAM MANAGEMENT.)
DA September 5, 1980
UF *Contract Administration*
BT1 Program Management
BT2 Management
RT Contractors
RT Contracts
RT Schedules

CONTRACTION [01]
DA December 1, 1974
RT Expansion
RT Expansion Joints
RT Thermal Expansion

CONTRACTOR PERSONNEL [01]
DA March 23, 1983
BT1 Personnel
BT2 Man
BT3 Primates
BT4 Mammals
BT5 Vertebrates
BT6 Animals
RT Contractors
RT Contracts
DEF Persons employed by a contractor.

CONTRACTORS [01]
DA March 23, 1983
UF *Subcontractors*
RT Contract Management
RT Contractor Personnel
RT Contracts

CONTRACTS [01]
DA December 1, 1974
NT1 Fixed-Price Contracts
NT1 Leases
RT Agreements
RT Bids
RT Conflicts of Interest
RT Construction
RT Consultants
RT Contract Management
RT Contractor Personnel
RT Contractors
RT Delivery
RT Grants
RT Leasing
RT Proposals
RT Time Delay

CONTRAST MEDIA [01]
DA December 1, 1974
SF *Chemicals*
NT1 Diodrast
NT1 Hippuran
NT1 Hypaque
NT1 Ioglycamic Acid
NT1 Iohexol
NT1 Iopamidol
NT1 Lipiodol
NT1 Metrizamide
NT1 Thorotrast
RT Biomedical Radiography

CONTROL [01]
DA December 1, 1974
NT1 Atomic Energy Control
NT2 International Control
NT2 National Control
NT1 Attitude Control
NT1 Closed-Loop Control
NT1 Combustion Control
NT1 Configuration Control
NT2 Spectral Shift Control
NT1 Erosion Control
NT1 Flood Control
NT1 Fluid Poison Control
NT1 Frequency Control
NT1 Humidity Control
NT1 Knock Control
NT1 Mode Control
NT1 Open-Loop Control
NT1 Optimal Control
NT1 Pest Control
NT2 Genetic Control
NT2 Pest Eradication
NT1 Pollution Control
NT2 Air Pollution Control
NT2 Land Pollution Control
NT2 Noise Pollution Control
NT2 Oil Pollution Containment
NT2 Water Pollution Control
NT1 Pressure Control
NT1 Process Control
NT1 Quality Control
NT1 Remote Control
NT1 Scale Control
NT1 Temperature Control
NT2 Thermoregulation
NT1 Traffic Control
RT Control Systems
RT Control Theory
RT Cybernetics
RT Decision Tree Analysis
RT Fault Tree Analysis
RT Monitoring
RT Optimization

Control (Inspection)
DA December 1, 1974
USE Inspection

Control (Radioactivity)
DA December 1, 1974
USE Radiation Monitoring

CONTROL ELEMENTS [01]
DA December 1, 1974
UF *Control Rods*
UF *Reactor Control Rods*
UF *Rods (Control)*
BT1 Reactor Components
NT1 Regulating Rods
NT1 Scram Rods
NT1 Shim Rods
RT Burnable Poisons
RT Control Rod Drives
RT Control Rod Worths
RT Guide Tubes
RT Neutron Absorbers
RT Reactor Control Systems
RT Reactor Cores
RT Reactor Kinetics
RT Rod Drop Accidents
RT Rod Drop Method
RT Rod Ejection Accidents

CONTROL EQUIPMENT [01]
DA December 1, 1974
BT1 Equipment
NT1 Electric Controllers
NT1 Flow Regulators
NT2 Baffles
NT2 Draft Control Systems
NT2 Valves
NT3 Relief Valves
NT3 Water Faucets
NT1 Fluidic Control Devices
NT1 Humidistats
NT1 Hydraulic Control Devices
NT1 Pneumatic Controllers
NT1 Pressure Regulators
NT1 Servomechanisms
NT1 Speed Regulators
NT1 Thermostats
NT2 Cryostats
RT Actuators
RT Computerized Control Systems
RT Condensation Chambers
RT Control Rooms
RT Control Systems
RT Excitation Systems
RT Knock Control
RT Reactor Components
RT Robots
RT Solar Tracking

CONTROL ROD DRIVES [01]
DA December 1, 1974
BT1 Reactor Components
RT Control Elements
RT Reactor Control Systems

Control Rod Effectiveness
DA December 1, 1974
USE Control Rod Worths

CONTROL ROD WORTHS [01]
DA December 1, 1974
UF *Control Rod Effectiveness*
RT Control Elements
RT Nordheim-Scalettar Method
RT Reactor Kinetics

Control Rods
DA December 1, 1974
USE Control Elements

CONTROL ROOMS [01]
DA August 9, 1977
RT Consoles
RT Control Equipment
RT Display Devices
RT Man-Machine Systems
RT Reactor Control Systems
RT Reactor Instrumentation
RT Reactor Simulators

CONTROL SYSTEMS [01]
(For automated processes including feedback.)
DA December 1, 1974
NT1 Electronic Guidance
NT1 Entry Control Systems
NT1 On-Line Control Systems
NT2 Computerized Control Systems
NT1 Reactor Control Systems
NT2 Interlocks
NT1 VAR Control Systems
RT Control
RT Control Equipment
RT Energy Management Systems
RT Heliostats
RT Identification Systems
RT Man-Machine Systems
RT Optimization
RT Real Time Systems
RT Robots
RT Systems Analysis

CONTROL THEORY [01]
DA November 1, 1976
RT Control
RT Differential Equations
RT Feedback
RT Optimization

Control Theory (Reactor)
DA December 1, 1974
USE Reactor Kinetics

CONTROLLED AREAS [01]
(Areas designated by radiation protection regulations for special monitoring.)
DA March 8, 1978
RT Nuclear Facilities
RT Radiation Monitoring
RT Radiation Protection

CONTROLLED ATMOSPHERES [01]
DA December 1, 1974
BT1 Atmospheres
RT Clean Rooms
RT Environment
RT Exposure Chambers
RT Heat Treatments

Controlled Terminology
DA December 1, 1974
USE Standardized Terminology

CONVECTION [01]
DA December 1, 1974
BT1 Heat Transfer
BT2 Energy Transfer
BT1 Mass Transfer
NT1 Forced Convection
NT1 Natural Convection
NT1 Thermosyphon Effect
RT Advection
RT Grashof Number

CONVECTIVE INSTABILITIES [01]
DA December 1, 1974
BT1 Plasma Instability
BT2 Instability
RT Absolute Instabilities
RT Briggs Criterion
DEF A class of plasma instabilities growing exponentially with time in velocity space.

Convective Loop Houses
DA June 13, 1981
USE Double Envelope Buildings

Convention on Early Notification of Nuclear Accident
DA March 20, 1989
USE CENNA

Convention on the Physical Protection of Nuclear Materials
DA November 26, 1990
USE CPPNM

CONVENTIONAL WARFARE
DA February 3, 1986
BT1 Warfare

Conventions
DA December 1, 1974
USE Agreements

CONVERGENCE [01]
(Prior to December 1982, this concept was indexed by SERIES EXPANSION.)
DA December 23, 1982
RT Mathematics
RT Series Expansion

RT Superconvergence Relations
DEF Approach to a limit, e.g. by an infinite sequence.

CONVERSION [01]
DA December 1, 1974
NT1 Energy Conversion
NT2 Direct Energy Conversion
NT3 Photovoltaic Conversion
NT3 Thermionic Conversion
NT3 Thermoelectric Conversion
NT3 Thermomagnetic Conversion
NT3 Thermophotovoltaic Conversion
NT2 Electrochemical Energy Conversion
NT2 Geothermal Energy Conversion
NT2 Solar Energy Conversion
NT3 Ocean Thermal Energy Conversion
NT3 Solar Thermal Conversion
NT1 External Conversion
NT1 Internal Conversion
NT2 K Conversion
NT2 L Conversion
NT2 M Conversion

Conversion (Nuclear Fuel)
DA December 1, 1974
USE Nuclear Fuel Conversion

CONVERSION RATIO [01]
DA December 1, 1974
NT1 Breeding Ratio
RT Nuclear Fuel Conversion

Converters (Analog-Digital)
DA December 1, 1974
USE Analog-to-Digital Converters

Converters (Digital-Analog)
DA December 1, 1974
USE Digital-to-Analog Converters

Converters (Electric)
DA May 7, 1977
USE DC to DC Converters

Converters (Image)
DA December 1, 1974
USE Image Converters

Converters (Pulse)
DA December 1, 1974
USE Pulse Converters

CONVERTOL PROCESS
DA June 24, 1977
RT Coal Preparation
DEF Process developed in West Germany for cleaning and dewatering coal-washery slurries.

CONVEX MANIFOLDS [01]
DA November 1, 1976
BT1 Mathematical Manifolds

CONVEYORS [01]
DA March 4, 1977
BT1 Haulage Equipment
BT2 Materials Handling Equipment
BT3 Equipment
NT1 Belt Conveyors
NT1 Chain Conveyors
RT Materials Handling
RT Mining Equipment
RT Transport

Cony
DA December 1, 1974
USE Pikas

COOK-1 REACTOR [01]
DA December 1, 1974
UF *Donald C. Cook-1 Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

COOK-2 REACTOR [01]
DA December 1, 1974
UF *Donald C. Cook-2 Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

Cook Inlet
DA January 28, 1977
USE Gulf of Alaska

Cooking
DA December 10, 1979
SEE Food Processing

COOLANT CLEANUP SYSTEMS [01]
DA January 30, 1975
BT1 Primary Coolant Circuits
BT2 Reactor Cooling Systems
BT3 Cooling Systems
BT4 Energy Systems
BT3 Reactor Components
RT Cleaning

Coolant-Fuel Interactions
DA December 1, 1974
USE Fuel-Coolant Interactions

COOLANT LOOPS [01]
(For reactors use REACTOR COOLING SYSTEMS or IN PILE LOOPS.)
DA December 1, 1974
UF *Loops (Coolant)*
BT1 Cooling Systems
BT2 Energy Systems
RT Auxiliary Water Systems
RT Bypasses
RT Circulating Systems
RT Closed-Cycle Cooling Systems
RT Cooling
RT Heat Transfer
RT Open-Cycle Cooling Systems

COOLANTS [01]
(See also specific coolant materials.)
DA December 1, 1974
NT1 Organic Coolants
RT Cooling
RT Cutting Fluids
RT Fuel-Coolant Interactions
RT Gases
RT Heavy Water
RT Liquid Metals
RT Loss of Coolant
RT Molten Salts
RT Oils
RT Reactor Cooling Systems
RT Reactor Materials
RT Steam
RT Water

Coolers
DA December 1, 1974
USE Heat Exchangers

COOLING [01]
DA December 1, 1974
NT1 District Cooling
NT1 Evaporative Cooling
NT1 Film Cooling
NT1 Fog Cooling
NT1 Gas Cooling
NT1 Radiative Cooling
NT1 Refrigeration
NT2 Geothermal Refrigeration
NT2 Helium Dilution Refrigeration
NT2 Solar Refrigeration
NT1 Splat Cooling
NT1 Spray Cooling
NT1 Subcooling
NT1 Sublimation Cooling
RT Air Conditioning
RT Coolant Loops
RT Coolants
RT Cooling Ponds
RT Cooling Systems
RT Cooling Towers
RT Fuel Cooling Time
RT Heat Exchangers
RT Heat Pumps
RT Heat Transfer
RT Heating
RT Ice Condensers
RT Mechanical Draft Cooling Towers
RT Natural Draft Cooling Towers
RT Once-Through Cooling Systems
RT Reactor Cooling Systems
RT Temperature Control
RT Temperature Noise
RT Vapor Condensation
RT Water

COOLING LOAD
DA October 1, 1975
RT Air Conditioning
RT Heat Gain
RT Heating Load
RT Solar Heating
RT Sun Shades

COOLING PONDS [01]
DA February 20, 1975
UF *Ponds (Cooling)*
UF+ *Spray Ponds*
BT1 Ponds
BT2 Surface Waters
BT1 Water Reservoirs
BT2 Surface Waters
RT Cooling
RT Cooling Systems
RT Lakes

Cooling System (Reactor)
DA December 1, 1974
USE Reactor Cooling Systems

COOLING SYSTEMS [01]
DA June 12, 1975
BT1 Energy Systems
NT1 Closed-Cycle Cooling Systems
NT1 Condenser Cooling Systems
NT1 Coolant Loops
NT1 Once-Through Cooling Systems
NT1 Open-Cycle Cooling Systems
NT1 Reactor Cooling Systems
NT2 Direct Cycle Cooling Systems
NT2 Dual Cycle Cooling Systems
NT2 Integrated Cooling Systems
NT2 Primary Coolant Circuits
NT3 Coolant Cleanup Systems
NT2 RCIC Systems
NT2 RHR Systems
NT2 Secondary Coolant Circuits
NT2 Shrouds
NT1 Thermonuclear Reactor Cooling Systems
RT Absorption Refrigeration Cycle
RT Ceiling Fans
RT Chemical Heat Pumps
RT Cooling
RT Cooling Ponds
RT Cooling Towers
RT Evaporative Cooling
RT Intake Structures
RT Legionella Pneumophila
RT Refrigerating Machinery
RT Refrigerators
RT Vapor Compression Refrigeration Cycle

COOLING TIME
(Indicates how long the fuel has been discharged from the reactor core.)
DA September 26, 1979
RT Burnup
RT Gamma Spectroscopy
RT Spent Fuels

Cooling Tower Packing Grids
DA February 20, 1975
USE Packings

COOLING TOWERS [01]
DA December 1, 1974
UF+ *Counterflow Cooling Towers*
UF+ *Crossflow Cooling Towers*
UF+ *Dry-Type Cooling Towers*
UF+ *Wet-Type Cooling Towers*
SF *Towers*
NT1 Mechanical Draft Cooling Towers
NT1 Natural Draft Cooling Towers
RT Closed-Cycle Cooling Systems
RT Cooling
RT Cooling Systems
RT Counterflow Systems
RT Crossflow Systems
RT Evaporative Cooling
RT Heat Exchangers
RT Open-Cycle Cooling Systems
RT Packings
RT Reactor Components
RT Vapor Condensers

Cooling Water Chemical Treatment
DA February 20, 1975
USE Water Chemistry

COOPER PAIRS [01]
DA December 1, 1974
RT Bose-Einstein Statistics
RT Coherence Length
RT Electrons
RT Fermi Level
RT Superconductivity

COOPER REACTOR [01]
(Brownsville, Nebraska, USA)
DA December 1, 1974
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

COOPERATION [01]
DA December 17, 1979
NT1 Interagency Cooperation
NT1 Intergovernmental Cooperation
NT1 International Cooperation
NT1 Joint Ventures
NT1 Regional Cooperation
RT Agreements
RT Cooperatives

COOPERATIVES [01]
(To be used in coordination with the descriptor for the pertinent industry or utility.)
DA January 15, 1980
UF+ *Agricultural Cooperatives*
UF+ *Electric Cooperatives*
UF+ *Petroleum Cooperatives*
RT Cooperation
RT Electric Utilities
RT Farms
RT Market
RT Monopolies
RT Small Businesses
RT Socio-Economic Factors

COORDINATED RESEARCH PROGRAMS [01]
(Research based on a common plan but carried out in various locations. To be used in coordination with institutions or countries involved.)
DA December 1, 1974
BT1 Research Programs
NT1 Consolidated Fuel Reprocessing Program
NT1 IFIP
RT DUMAND Project
RT Interlaboratory Comparisons
RT International Agreements
RT International Cooperation
RT International Organizations
RT Planning

COORDINATES [01]
DA December 1, 1974
UF *Grids (Coordinates)*
UF *Position (Optical)*
UF *Position (Radio)*
NT1 Cartesian Coordinates
NT1 Curvilinear coordinates
NT2 Magnetic Flux Coordinates
NT1 Geomagnetic Coordinates
NT1 Hylleraas Coordinates
RT Center-of-Mass System
RT Emplacement
RT Laboratory System
RT Mathematics
RT Mesh Generation
RT Network Analysis
RT Position Operators
RT Space Dependence
RT Sun Charts

COORDINATION NUMBER [01]
DA December 1, 1974
RT Complexes
RT Coordination Valences
RT Ligands

COORDINATION VALENCES [01]
DA December 1, 1974
BT1 Valence
RT Complexes
RT Coordination Number
RT Crystal Lattices
RT Structural Chemical Analysis

Copaiba
DA February 9, 1983
USE Copaifera

COPAIFERA [01]
DA June 17, 1981
UF *Copaiba*
BT1 Trees
BT2 Plants
DEF A tree that produces oil which can be used directly, without processing, in diesel engines.

COPEPODS [01]
DA May 13, 1976
BT1 Crustaceans
BT2 Aquatic Organisms
BT2 Arthropods
BT3 Invertebrates
BT4 Animals
RT Zooplankton

COPOLYMERIZATION [01]
DA December 1, 1974
BT1 Polymerization
BT2 Chemical Reactions
DEF Polymerization of molecules of different types.

COPOLYMERS [01]
DA December 16, 1975
BT1 Organic Polymers
BT2 Organic Compounds
BT2 Polymers

COPPER [01]
DA December 1, 1974
BT1 Transition Elements
BT2 Metals
BT3 Elements

COPPER 57 [01]
DA November 9, 1977
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Copper Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

COPPER 58 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Copper Isotopes
BT2 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

COPPER 59 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Copper Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

COPPER 60 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Copper Isotopes
BT2 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

COPPER 61 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Copper Isotopes
BT2 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei

COPPER 61 TARGET [01]
DA July 9, 1976
BT1 Targets

COPPER 62 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Copper Isotopes
BT2 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes

BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

COPPER 63 [01]
DA December 1, 1974
BT1 Copper Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
RT Copper 63 Reactions

COPPER 63 BEAMS [01]
DA May 3, 1979
BT1 Ion Beams
BT2 Beams

COPPER 63 REACTIONS [01]
DA June 16, 1975
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions
RT Copper 63

COPPER 63 TARGET [01]
DA July 9, 1976
BT1 Targets

COPPER 64 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Copper Isotopes
BT2 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei

COPPER 64 TARGET [01]
DA July 6, 1978
BT1 Targets

COPPER 65 [01]
DA December 1, 1974
BT1 Copper Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

COPPER 65 REACTIONS [01]
DA December 1, 1974
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

COPPER 65 TARGET [01]
DA July 9, 1976
BT1 Targets

COPPER 66 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Copper Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

COPPER 67 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Copper Isotopes
BT2 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei

COPPER 68 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Copper Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

COPPER 69 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Copper Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

COPPER 70 [01]
DA January 23, 1975
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Copper Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

COPPER 71 [01]
DA July 27, 1982
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Copper Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

COPPER 72 [01]
DA July 27, 1982
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Copper Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

COPPER 73 [01]
DA July 27, 1982
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Copper Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

COPPER 74 [01]
DA July 31, 1989
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Copper Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

→**COPPER 75 [01]**
DA June 1, 1990
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Copper Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

→**COPPER 76 [01]**
DA March 24, 1992
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Copper Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BT1 Odd-Odd Nuclei
BT2 Nuclei

→**COPPER 77 [01]**
DA March 24, 1992
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Copper Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

→**COPPER 78 [01]**
DA March 24, 1992
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Copper Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

→**COPPER 79 [01]**
DA March 24, 1992
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Copper Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

COPPER ADDITIONS [01]
DA December 1, 1974
BT1 Copper Alloys
BT2 Alloys
NT1 Alloy-Ni43Fe33Cr16Mo3
NT2 Nimonic PE16
NT1 Alloy-Ni48Cr22Fe18Mo9
NT2 Nimonic PE13
NT1 Alloy-Ni60Co15Cr10Al6Ti5Mo3
NT2 Alloy-IN-100
NT1 Duranickel
NT1 Steel-Cr2MoV
NT1 Steel-Cr2NiMoV
NT1 Steel-CrMoV
NT1 Steel-CrNi
NT1 Steel-MnCuMo
NT2 Steel-ASTM-A537
NT1 Steel-Ni3Cr
NT1 Steel-Ni4CrW
NT1 Steel-NiCr
NT1 Steel-NiCrMo

COPPER ALLOYS [01]
DA December 1, 1974
UF+ *Alloy-GE*
BT1 Alloys
NT1 Alloy-Al95Cu4
NT2 Duralumin
NT1 Alloy-Ni43Fe30Cr22Mo3
NT2 Incoloy 825
NT1 Alloy-Ni66Cu32
NT2 Monel 400
NT1 Alloy-YuNDK 25BA
NT1 Bondur
* **NT1** Copper Additions
* **NT1** Copper Base Alloys
NT1 Cunico
NT1 Duralumin
NT1 HEDDUR
NT1 Illium
NT1 Lynite
NT1 Magnalium
NT1 Ni-O-Nel
NT1 Steel-CD-4MCu
NT1 Steel-Cr17Cu4Ni4Nb-L
NT1 Steel-Cr17Ni4Cu4Nb-L
NT1 Steel-In-787
NT1 Tikonal
NT1 Zamak

COPPER ARSENIDES [01]
DA September 24, 1985
BT1 Arsenides
BT2 Arsenic Compounds
BT2 Pnictides
BT1 Copper Compounds
BT2 Transition Element Compounds

COPPER BASE ALLOYS [01]
DA December 1, 1974
UF *Resistal*
BT1 Copper Alloys
BT2 Alloys
NT1 Alloy-Cu52Ni47
NT2 Constantan
NT1 Brass
NT2 Brass-Alpha
NT2 Brass-Beta
NT1 Bronze
NT1 Constantan
NT1 German Silver
NT1 Heusler Alloys
NT1 Manganin
NT1 Muntz Metal
NT1 Nickeline Alloy
NT1 Ounce Metal
NT1 Tungsten Bronze

COPPER BORIDES [01]
DA December 1, 1974
BT1 Borides
BT2 Boron Compounds
BT1 Copper Compounds
BT2 Transition Element Compounds

COPPER BROMIDES [01]
DA December 1, 1974
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Copper Halides
BT2 Copper Compounds
BT3 Transition Element Compounds
BT2 Halides
BT3 Halogen Compounds

COPPER CARBIDES [01]
DA April 8, 1975
BT1 Carbides
BT2 Carbon Compounds
BT1 Copper Compounds
BT2 Transition Element Compounds

COPPER CARBONATES [01]
DA December 1, 1974
BT1 Carbonates
BT2 Carbon Compounds
BT2 Oxygen Compounds
BT1 Copper Compounds
BT2 Transition Element Compounds

COPPER CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Copper Halides
BT2 Copper Compounds
BT3 Transition Element Compounds
BT2 Halides
BT3 Halogen Compounds

COPPER COMPLEXES [01]
DA December 1, 1974
BT1 Transition Element Complexes
BT2 Complexes
NT1 Ceruloplasmin
RT Phthalocyanines

COPPER COMPOUNDS [01]
DA December 1, 1974
BT1 Transition Element Compounds
NT1 Copper Arsenides
NT1 Copper Borides
NT1 Copper Carbides
NT1 Copper Carbonates
NT1 Copper Halides
NT2 Copper Bromides
NT2 Copper Chlorides
NT2 Copper Fluorides
NT2 Copper Iodides
NT1 Copper Hydrides
NT1 Copper Hydroxides
NT1 Copper Nitrates
NT1 Copper Nitrides
NT1 Copper Oxides
NT2 Sengierite
NT1 Copper Perchlorates
NT1 Copper Phosphates
NT1 Copper Phosphides
NT1 Copper Selenides
NT1 Copper Silicates
NT1 Copper Silicides
NT1 Copper Sulfates
NT1 Copper Sulfides
NT1 Copper Tellurides
NT1 Copper Tungstates
NT1 Cuprates

COPPER FLUORIDES [01]
DA December 1, 1974
BT1 Copper Halides
BT2 Copper Compounds
BT3 Transition Element Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds

COPPER HALIDES [01]
DA February 20, 1975
BT1 Copper Compounds
BT2 Transition Element Compounds
BT1 Halides
BT2 Halogen Compounds
NT1 Copper Bromides
NT1 Copper Chlorides
NT1 Copper Fluorides
NT1 Copper Iodides

COPPER HYDRIDES [01]
DA December 1, 1974
BT1 Copper Compounds
BT2 Transition Element Compounds
BT1 Hydrides
BT2 Hydrogen Compounds

COPPER HYDROXIDES [01]
DA December 1, 1974
BT1 Copper Compounds
BT2 Transition Element Compounds
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds

COPPER IODIDES [01]
DA December 1, 1974
BT1 Copper Halides
BT2 Copper Compounds
BT3 Transition Element Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds

COPPER IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

COPPER ISOTOPES [01]
DA December 1, 1974
BT1 Isotopes
NT1 Copper 57
NT1 Copper 58
NT1 Copper 59
NT1 Copper 60
NT1 Copper 61
NT1 Copper 62
NT1 Copper 63
NT1 Copper 64
NT1 Copper 65
NT1 Copper 66
NT1 Copper 67
NT1 Copper 68
NT1 Copper 69
NT1 Copper 70
NT1 Copper 71
NT1 Copper 72
NT1 Copper 73
NT1 Copper 74
NT1 Copper 75
NT1 Copper 76
NT1 Copper 77
NT1 Copper 78
NT1 Copper 79

COPPER NITRATES [01]
DA December 1, 1974
BT1 Copper Compounds
BT2 Transition Element Compounds
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds

COPPER NITRIDES [01]
DA January 21, 1975
BT1 Copper Compounds
BT2 Transition Element Compounds
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides

COPPER ORES [01]
DA December 1, 1974
BT1 Ores

COPPER OXIDE SOLAR CELLS [01]
DA August 4, 1981
BT1 Solar Cells
BT2 Photovoltaic Cells
BT3 Photoelectric Cells
BT4 Direct Energy Converters
BT2 Solar Equipment
BT3 Equipment

COPPER OXIDES [01]
DA December 1, 1974
BT1 Copper Compounds
BT2 Transition Element Compounds
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds
NT1 Sengierite
RT Cuprates
RT Oxide Minerals

COPPER PERCHLORATES [01]
DA January 21, 1975
BT1 Copper Compounds
BT2 Transition Element Compounds
BT1 Perchlorates
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Oxygen Compounds

COPPER PHOSPHATES [01]
DA December 1, 1974
BT1 Copper Compounds
BT2 Transition Element Compounds
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds
RT Phosphate Minerals
RT Torbernite

COPPER PHOSPHIDES [01]
DA January 21, 1975
BT1 Copper Compounds
BT2 Transition Element Compounds
BT1 Phosphides
BT2 Phosphorus Compounds
BT2 Pnictides

COPPER SELENIDE SOLAR CELLS [01]
DA July 18, 1981
BT1 Solar Cells
BT2 Photovoltaic Cells
BT3 Photoelectric Cells
BT4 Direct Energy Converters
BT2 Solar Equipment
BT3 Equipment

COPPER SELENIDES [01]
DA October 1, 1975
BT1 Copper Compounds
BT2 Transition Element Compounds
BT1 Selenides
BT2 Chalcogenides
BT2 Selenium Compounds

COPPER SILICATES [01]
DA December 1, 1974
BT1 Copper Compounds
BT2 Transition Element Compounds
BT1 Silicates
BT2 Oxygen Compounds
BT2 Silicon Compounds
RT Cuprosklodowskite

COPPER SILICIDES [01]
DA February 20, 1975
BT1 Copper Compounds
BT2 Transition Element Compounds
BT1 Silicides
BT2 Silicon Compounds

COPPER SULFATES [01]
DA December 1, 1974
BT1 Copper Compounds
BT2 Transition Element Compounds
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds
RT Johannite
RT Sulfate Minerals

COPPER SULFIDE SOLAR CELLS [01]
DA July 18, 1981
BT1 Solar Cells
BT2 Photovoltaic Cells
BT3 Photoelectric Cells
BT4 Direct Energy Converters
BT2 Solar Equipment
BT3 Equipment

COPPER SULFIDES [01]
DA December 1, 1974
BT1 Copper Compounds
BT2 Transition Element Compounds
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds
RT Chalcopyrite
RT Sulfide Minerals

COPPER TELLURIDES [01]
DA January 21, 1975
BT1 Copper Compounds
BT2 Transition Element Compounds
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds

COPPER TUNGSTATES [01]
DA June 16, 1975
BT1 Copper Compounds
BT2 Transition Element Compounds
BT1 Tungstates

Copper Vapor Lasers
DA May 10, 1984
USE Metal Vapor Lasers

COPPICES [01]
DA October 24, 1981
BT1 Forests
RT Biomass Plantations
RT Forest Litter
DEF Forests or thickets originating mainly from shoots or root suckers of stumps rather than from seed.

COPRECIPITATION [01]
DA December 1, 1974
BT1 Precipitation
BT2 Separation Processes
RT Coalescence
RT Flocculation

COPROCESSING
DA February 26, 1988
BT1 Processing
DEF Processing coal and petroleum residues together.

CORAL-1 REACTOR [01]
(Uncooled; Junta de Energia Nuclear, Madrid, Spain.)
DA December 1, 1974
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Fast Reactors
BT2 Epithermal Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

CORALS [01]
DA December 1, 1974
BT1 Cnidaria
BT2 Coelenterata
BT3 Invertebrates
BT4 Animals

CORCHORUS [01]
DA December 1, 1974
BT1 Magnoliopsida
BT2 Magnoliophyta
BT3 Plants
NT1 Jute

Cordillera De Los Andes
DA December 1, 1974
USE Andes

CORDOBA REACTOR [01]
DA April 28, 1978
BT1 Candu Type Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT2 Pressure Tube Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 PHWR Type Reactors
BT2 Heavy Water Cooled Reactors
BT3 Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors

Cordova Quad Cities-1 Reactor
DA December 1, 1974
USE Quad Cities-1 Reactor

Cordova Quad Cities-2 Reactor
DA December 1, 1974
USE Quad Cities-2 Reactor

CORDYLITE [01]
DA December 1, 1974
BT1 Carbonate Minerals
BT2 Minerals
BT1 Radioactive Minerals
BT2 Minerals
BT2 Radioactive Materials
BT3 Materials
RT Cerium Carbonates
RT Lanthanum Carbonates

Core Barrel
DA July 5, 1978
USE Coring Equipment

CORE CATCHERS [01]
DA January 21, 1975

BT1 Reactor Components
RT Meltdown
RT Reactor Cores
DEF Structures under core for retaining molten debris following meltdown accident.

CORE FLOODING SYSTEMS [01]
DA December 1, 1974
BT1 ECCS
BT2 Reactor Protection Systems
BT3 Engineered Safety Systems
RT Loss of Coolant

CORE SPRAY SYSTEMS [01]
DA December 1, 1974
BT1 ECCS
BT2 Reactor Protection Systems
BT3 Engineered Safety Systems
RT Fog Cooled Reactors
RT Fog Cooling
RT Loss of Coolant

Cores (Drill)
DA December 1, 1974
USE Drill Cores

Cores (Magnet)
DA December 1, 1974
USE Magnet Cores

Cores (Magnetic)
DA December 1, 1974
USE Magnetic Cores

Cores (Nuclear)
DA December 1, 1974
USE Nuclear Cores

Cores (Reactor)
DA December 1, 1974
USE Reactor Cores

CORING EQUIPMENT
DA July 5, 1978
UF *Core Barrel*
BT1 Drilling Equipment
BT2 Equipment
RT Coring Fluids

CORING FLUIDS
DA December 14, 1981
RT Coring Equipment
RT Cuttings Removal
RT Drill Cores
RT Drilling Fluids

CORIOLIS FORCE [01]
DA December 1, 1974
RT Backbending
RT Rotation

CORIUM [01]
DA June 2, 1977
RT Meltdown
RT Reactor Accidents
DEF Molten Mixture of fuel, cladding, and other core structural material resulting from meltdown accident.

CORK [01]
DA December 1, 1974
RT Bark
RT Wood

Corn (Maize)
DA December 1, 1974
USE Maize

CORN OIL [01]
DA December 1, 1974
UF *Maize Oil*
BT1 Triglycerides
BT2 Esters
BT3 Organic Compounds
BT2 Lipids
BT3 Organic Compounds
BT1 Vegetable Oils
BT2 Oils
BT3 Other Organic Compounds
BT4 Organic Compounds

Corn Stover
DA April 11, 1979
USE Agricultural Wastes
AND Maize

CORNEA [01]
DA December 1, 1974
BT1 Eyes
BT2 Face
BT3 Head
BT4 Body Areas
BT5 Body
BT2 Sense Organs
BT3 Organs
BT4 Body

CORNELL 2-GEV SYNCHROTRON [01]
DA December 1, 1974
BT1 Synchrotrons
BT2 Cyclic Accelerators
BT3 Accelerators

CORNELL 10-GEV SYNCHROTRON [01]
DA December 1, 1974
BT1 Synchrotrons
BT2 Cyclic Accelerators
BT3 Accelerators

Cornell Electron-Positron Storage Ring
DA February 23, 1979
USE CESR Storage Ring

CORNELL TRIGA-MK-2 REACTOR [01]
DA December 1, 1974
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 TRIGA Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Hydride Moderated Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Solid Homogeneous Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

Cornell University Zero Power Reactor
DA December 1, 1974
USE ZPR Reactor

Corona (Solar)
DA December 1, 1974
USE Solar Corona

CORONA COUNTERS [01]
DA December 1, 1974
BT1 Radiation Detectors
BT2 Measuring Instruments
RT Proportional Counters
RT Spark Counters

CORONA DISCHARGES [01]
DA December 1, 1974
BT1 Electric Discharges
RT Lichtenberg Figures

CORONARIES [01]
DA December 1, 1974
BT1 Arteries
BT2 Blood Vessels
BT3 Cardiovascular System
BT3 Organs
BT4 Body
RT Heart
RT Heart Failure
RT Myocardial Infarction
RT Myocardium

Corps of Engineers
(Prior to December 1991 this was a valid descriptor.)
DA August 25, 1980
USE US Corps of Engineers

Corral Canyon Nuclear Power Reactor-1
DA December 1, 1974
USE Malibu-1 Reactor

CORRECTIONS [01]
DA December 1, 1974
NT1 Coulomb Correction
NT1 Radiative Corrections
NT1 Rydberg Correction
RT Errors

CORRELATED-PARTICLE MODELS [01]
DA December 1, 1974
BT1 Particle Models
BT2 Mathematical Models
RT Correlation Functions
RT Multiple Production

Correlation Energy
DA December 1, 1974
USE Electron Correlation

CORRELATION FUNCTIONS [01]
DA December 1, 1974
BT1 Functions
RT Correlated-Particle Models
RT Reactor Noise

CORRELATIONS [01]
DA December 1, 1974
NT1 Angular Correlation
NT2 Perturbed Angular Correlation
NT3 Differential PAC
NT3 Integral Pac
NT1 Electron Correlation
NT1 Kramers-Kronig Correlation
RT Comparative Evaluations
RT Multivariate Analysis
RT Regression Analysis

CORROSION [01]
DA December 1, 1974
BT1 Chemical Reactions
NT1 Crevice Corrosion
NT1 Electrochemical Corrosion
NT1 Fretting Corrosion
NT1 Intergranular Corrosion
NT1 Nodular Corrosion
NT1 Pitting Corrosion
NT1 Stress Corrosion
RT Antifoulants
RT Corrosion Denting
RT Corrosion Fatigue
RT Corrosion Pickling
RT Corrosion Products
RT Corrosion Protection
RT Corrosion Resistance
RT Corrosive Effects
RT Erosion
RT Failures
RT Fouling
RT Materials Testing
RT Oxidation
RT Passivity
RT Scaling
RT Surface Properties
RT Thermochemical Diagrams
RT Weathering

CORROSION DENTING [01]
DA September 6, 1979
UF *Denting (Corrosion)*
BT1 Deformation
RT Corrosion
RT Tubes
RT Water Chemistry

CORROSION FATIGUE [01]
DA December 16, 1975
BT1 Fatigue
BT2 Mechanical Properties
RT Corrosion

Corrosion Inhibition
DA December 1, 1974
USE Corrosion Protection

CORROSION INHIBITORS [01]
DA December 1, 1974

UF *Inhibitors (Corrosion)*
RT Corrosion Protection

CORROSION PICKLING [01]
DA December 1, 1974
BT1 Pickling
BT2 Surface Treatments
RT Corrosion

CORROSION PRODUCTS [01]
DA December 1, 1974
RT Corrosion
RT Electromagnetic Filters
RT Oxidation
RT Oxides
RT Scaling

CORROSION PROTECTION [01]
DA December 1, 1974
UF *Anticorrosion*
UF *Corrosion Inhibition*
UF *Protection (Corrosion)*
NT1 Anodization
NT1 Cathodic Protection
RT Coatings
RT Corrosion
RT Corrosion Inhibitors
RT Corrosion Resistance
RT Paints
RT Passivation
RT Surface Coating

CORROSION RESISTANCE [01]
DA December 1, 1974
RT Corrosion
RT Corrosion Protection
RT Passivity

CORROSION RESISTANT ALLOYS [01]
DA December 1, 1974
BT1 Alloys
NT1 Alloy-Co36Cr22Ni22W15Fe3
NT2 Haynes 188 Alloy
NT1 Alloy-Co52Cr17Fe15Mo3Si3
NT2 Tribaloy 800
NT1 Alloy-Co54Cr20W15Ni10
NT2 Alloy-HS-25
NT2 Haynes 25 Alloy
NT1 Alloy-Co60Cr30W4
NT2 Haynes Stellite 6B
NT2 Stellite 6
NT1 Alloy-Co62Cr28Mo6Ni3
NT2 Alloy-HS-21
NT2 Haynes Stellite No 21
NT1 Alloy-Co64Cr29W4
NT2 Stellite 156
NT1 Alloy-Co66Cr26W6
NT2 Deloro Stellite 6
NT1 Alloy-Fe31Cr21Co20Ni20Mo3W2
NT2 Alloy-HD-556
NT2 Alloy-N-155
NT1 Alloy-Fe44Ni33Cr21
NT2 Incoloy 800H
NT1 Alloy-Fe46Ni33Cr21
NT2 Incoloy 800
NT2 Incoloy 802
NT2 Sanicro 30
NT1 Alloy-Fe48Cr24Ni24
NT2 Alloy-IN-519
NT1 Alloy-Mo99
NT2 Alloy-TZM
NT2 Alloy-Zm-2A
NT1 Alloy-Ni41Fe40Cr16Nb3
NT2 Inconel 706
NT1 Alloy-Ni42Fe36Cr12Mo6Ti3
NT2 Incoloy 901
NT1 Alloy-Ni43Fe30Cr22Mo3
NT2 Incoloy 825
NT1 Alloy-Ni43Fe33Cr16Mo3
NT2 Nimonic PE16
NT1 Alloy-Ni45Cr23Fe19Co3Mo3W3
NT1 Alloy-Ni45Fe34Cr20
NT1 Alloy-Ni46Cr23Co19Ti5Al4
NT2 Alloy-IN-939
NT1 Alloy-Ni47Cr25Co12W9Fe3
NT2 Alloy-IN-643
NT2 Inconel 643
NT1 Alloy-Ni48Co28Cr15Al3Mo3Ti2
NT2 Inconel 700
NT1 Alloy-Ni48Cr22Fe18Mo9
NT2 Nimonic PE13
NT1 Alloy-Ni49Cr22Fe18Mo9
NT2 Hastelloy X
NT1 Alloy-Ni50Co20Cr15Al5Mo5
NT2 Nimonic 105
NT1 Alloy-Ni50Cr22Fe18Mo9
NT2 Hastelloy XR
NT1 Alloy-Ni50Mo32Cr15Si3
NT2 Tribaloy 700
NT1 Alloy-Ni51Cr48
NT2 Inconel 671
NT1 Alloy-Ni53Co19Cr15Mo5Al4Ti3
NT2 Udimet 700
NT1 Alloy-Ni53Cr19Fe19Nb5Mo3
NT2 Inconel 718
NT1 Alloy-Ni54Cr22Co13Mo9
NT2 Inconel 617
NT1 Alloy-Ni54Mo17Cr16Fe6W4
NT2 Hastelloy C
NT1 Alloy-Ni55Cr19Co11Mo10Ti3
NT2 Rene 41
NT1 Alloy-Ni56Cr21W10Mo5Fe4Al2
NT1 Alloy-Ni58Cr14Co8Al4Mo4Nb4W4
NT2 Rene 95
NT1 Alloy-Ni58Cr20Co14Mo4Ti3
NT2 Waspaloy
NT1 Alloy-Ni59Cr20Co17Ti2
NT2 Nimonic 90
NT1 Alloy-Ni59Cr30Fe9
NT2 Inconel 690
NT1 Alloy-Ni60Co15Cr10Al6Ti5Mo3
NT2 Alloy-IN-100
NT1 Alloy-Ni60Cr14Co10Ti5Mo4W4Al3
NT2 Rene 80
NT1 Alloy-Ni60Cr25W15
NT1 Alloy-Ni60Fe24Cr16
NT2 Nichrome
NT1 Alloy-Ni60Mo13Co9Cr8Nb4Al3
NT1 Alloy-Ni61Cr16Co9Al3Ti3W3
NT2 Alloy-IN-738
NT1 Alloy-Ni61Cr22Mo9Nb4Fe3
NT2 Inconel 625
NT1 Alloy-Ni62Cr16Mo15Fe3
NT2 Hastelloy S
NT1 Alloy-Ni65Cr25Mo10
NT2 Nimonic 86
NT1 Alloy-Ni65Mo16Cr15W4
NT1 Alloy-Ni65Mo28Fe5
NT2 Hastelloy B
NT1 Alloy-Ni67Cr19Mo5W5Ti3
NT1 Alloy-Ni68Cr15W6Al3Mo3Fe2
NT1 Alloy-Ni70Mo17Cr7Fe5
NT2 Hastelloy N
NT2 Inor-8
NT1 Alloy-Ni73Cr15Fe7Ti3
NT2 Inconel X750
NT1 Alloy-Ni73Cr20Mn3Nb3
NT2 Inconel 82
NT1 Alloy-Ni74Cr13Al6Mo4
NT2 Inconel 713C
NT1 Alloy-Ni75Cr12Al6Mo5
NT2 Inconel 713LC
NT1 Alloy-Ni76Cr15Fe8
NT2 Inconel 600
NT1 Alloy-Ni76Cr20Ti2
NT2 Nimonic 80A
NT1 Alloy-Ni77Cr20Ti2
NT1 Alloy-Ni78Cr16Al4
NT2 Inconel 702
NT1 Alloy-Zr98Sn-2
NT2 Zircaloy 2
NT1 Alloy-Zr98Sn-4
NT2 Zircaloy 4
NT1 Colmonoy
NT1 Heusler Alloys
NT1 Refractaloy
NT1 Steel-CD-4MCu
NT1 Steel-Cr11Ni10Mo2Ti-L
NT1 Steel-Cr12
NT2 Stainless Steel-403
NT1 Steel-Cr12MoNiV
NT1 Steel-Cr12MoV
NT2 Alloy-HT-9
NT1 Steel-Cr13
NT2 Stainless Steel-410
NT1 Steel-Cr13Al
NT2 Stainless Steel-405
NT1 Steel-Cr13Mn8Ni8
NT1 Steel-Cr13Ni6Mo-L
NT1 Steel-Cr15Ni15MoTiB
NT1 Steel-Cr16
NT2 Stainless Steel-430
NT1 Steel-Cr16Ni
NT2 Stainless Steel-431
NT1 Steel-Cr16Ni8Mo2
NT1 Steel-Cr16Ni13MoNbV
NT1 Steel-Cr16Ni15Mo3Nb
NT1 Steel-Cr16Ni16MoNb
NT1 Steel-Cr17Cu4Ni4Nb-L
NT1 Steel-Cr17Mn15NNi
NT2 Tenelon
NT1 Steel-Cr17Mo
NT2 Stainless Steel-440
NT1 Steel-Cr17Ni4Cu4Nb-L
NT1 Steel-Cr17Ni4Mo3
NT2 Stainless Steel-AM-350
NT1 Steel-Cr17Ni7
NT2 Stainless Steel-301
NT1 Steel-Cr17Ni12Mo3
NT2 Stainless Steel-316
NT1 Steel-Cr17Ni12Mo3-L
NT2 Stainless Steel-316L
NT1 Steel-Cr17Ni12MoNb
NT1 Steel-Cr17Ni13
NT1 Steel-Cr17Ni13Mo2Ti
NT1 Steel-Cr17Ni13Mo3Ti
NT1 Steel-Cr18
NT1 Steel-Cr18Ni8
NT2 Stainless Steel-18-8
NT1 Steel-Cr18Ni9
NT2 Stainless Steel-302
NT1 Steel-Cr18Ni9Ti
NT1 Steel-Cr18Ni10
NT2 Stainless Steel-18-10
NT1 Steel-Cr18Ni10-L
NT2 Stainless Steel-Z2CN18-10
NT1 Steel-Cr18Ni10Ti
NT2 Stainless Steel-321
NT1 Steel-Cr18Ni11
NT2 Steel-X6CrNi1811
NT1 Steel-Cr18Ni11Nb
NT2 Stainless Steel-347
NT1 Steel-Cr18Ni11NbCo
NT2 Stainless Steel-348
NT1 Steel-Cr18Ni12
NT2 Stainless Steel-305
NT1 Steel-Cr18Ni12Ti
NT1 Steel-Cr19Ni10
NT2 Stainless Steel-304
NT1 Steel-Cr19Ni10-L
NT2 Stainless Steel-304L
NT1 Steel-Cr20Ni11
NT2 Stainless Steel-308
NT1 Steel-Cr20Ni11-L
NT2 Stainless Steel-308L
NT1 Steel-Cr21Mn9Ni6
NT2 Stainless Steel-21-6-9
NT1 Steel-Cr21Ni5Ti
NT1 Steel-Cr22Ni5Ti
NT1 Steel-Cr23Ni14
NT2 Stainless Steel-309
NT2 Stainless Steel-309S
NT1 Steel-Cr23Ni18
NT1 Steel-Cr25
NT2 Stainless Steel-446
NT1 Steel-Cr25Ni20
NT2 Alloy-HK-40
NT2 Stainless Steel-310
NT1 Steel-Cr26Ni5Mo-L
NT2 Stainless Steel-44LN
NT1 Steel-Ni17Cr14MoTi-L
NT1 Steel-Ni25Cr20
NT2 Stainless Steel-20-25
NT1 Steel-Ni26Cr15Ti2MoVAlB
NT2 Alloy-A-286
NT1 Steel-Ni35Cr18Mo4Ti2Al
NT2 Alloy-M-813
NT1 Steel-Ni36Cr12Ti3Al-L
NT1 Steel-Ni36Cr18
NT2 Stainless Steel-330
RT Austenitic Steels
RT Ferritic Steels
RT Hastelloys
RT Stainless Steels

CORROSIVE EFFECTS [01]
DA February 6, 1975
RT Corrosion

Cortex (Adrenal)
DA December 1, 1974
USE Adrenal Glands

Cortex (Cerebral)
DA December 1, 1974
USE Cerebral Cortex

Corticoids
DA December 1, 1974
USE Corticosteroids

CORTICOSTEROIDS [01]
DA December 1, 1974
UF *Corticoids*
BT1 Adrenal Hormones
BT2 Hormones
BT1 Hydroxy Compounds
BT2 Organic Compounds
BT1 Ketones
BT2 Organic Compounds
BT1 Pregnanes
BT2 Steroids
BT3 Organic Compounds
BT1 Steroid Hormones
BT2 Hormones
NT1 Glucocorticoids
NT2 Corticosterone
NT2 Cortisone
NT2 Dexamethasone
NT2 Hydrocortisone
NT2 Prednisolone
NT2 Prednisone
NT1 Mineralocorticoids
NT2 Aldosterone
NT2 DOCA
RT ACTH
RT Androgens
RT Cushing Syndrome

CORTICOSTERONE [01]
DA December 1, 1974
BT1 Glucocorticoids
BT2 Corticosteroids
BT3 Adrenal Hormones
BT4 Hormones
BT3 Hydroxy Compounds
BT4 Organic Compounds
BT3 Ketones
BT4 Organic Compounds
BT3 Pregnanes
BT4 Steroids
BT5 Organic Compounds
BT3 Steroid Hormones
BT4 Hormones

Cortisol
DA December 1, 1974
USE Hydrocortisone

CORTISONE [01]
DA December 1, 1974
BT1 Glucocorticoids
BT2 Corticosteroids
BT3 Adrenal Hormones
BT4 Hormones
BT3 Hydroxy Compounds
BT4 Organic Compounds
BT3 Ketones
BT4 Organic Compounds
BT3 Pregnanes
BT4 Steroids
BT5 Organic Compounds
BT3 Steroid Hormones
BT4 Hormones

CORUNDUM [01]
DA December 1, 1974
BT1 Oxide Minerals
BT2 Minerals
NT1 Ruby
NT1 Sapphire
RT Aluminium Oxides

CORVUSITE [01]
DA December 1, 1974
BT1 Oxide Minerals
BT2 Minerals
BT1 Radioactive Minerals
BT2 Minerals
BT2 Radioactive Materials
BT3 Materials
BT1 Vanadium Oxides
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT2 Vanadium Compounds
BT3 Transition Element Compounds

CORYNEBACTERIUM FASCIANS [01]
DA May 21, 1983
BT1 Bacteria
BT2 Microorganisms
RT Microbial EOR

CORYNEBACTERIUM PARVUM [01]
DA June 14, 1978
BT1 Bacteria
BT2 Microorganisms
RT Immunotherapy

Cosmetics
DA May 10, 1984
USE Consumer Products

COSMIC ALPHA PARTICLES [01]
(Prior to March 1983 this concept was indexed to COSMIC NUCLEI.)
DA March 24, 1983
BT1 Alpha Particles
BT2 Charged Particles
BT1 Primary Cosmic Radiation
BT2 Cosmic Radiation
BT3 Ionizing Radiations
BT4 Radiations

COSMIC DUST [01]
DA December 1, 1974
BT1 Dusts
RT Interstellar Grains
RT Interstellar Space
RT Nebulae
RT Star Accretion

COSMIC ELECTRONS [01]
(Prior to July, 1975 information was indexed to ELECTRONS.)
DA July 29, 1975
BT1 Electrons
BT2 Leptons
BT3 Elementary Particles
BT3 Fermions
BT1 Secondary Cosmic Radiation
BT2 Cosmic Radiation
BT3 Ionizing Radiations
BT4 Radiations

COSMIC GAMMA BURSTS [01]
DA December 1, 1974
BT1 Primary Cosmic Radiation
BT2 Cosmic Radiation
BT3 Ionizing Radiations
BT4 Radiations
RT Cosmic Gamma Sources
RT Cosmic X-Ray Bursts

Cosmic Gamma Rays
DA February 23, 1979
USE Cosmic Photons

COSMIC GAMMA SOURCES [01]
DA December 1, 1974
BT1 Cosmic Ray Sources
RT Cosmic Gamma Bursts
RT Cosmic Photons
RT Gamma Astronomy
RT Gamma Radiation
RT Primary Cosmic Radiation

COSMIC GASES [01]
DA December 1, 1974
BT1 Gases
BT2 Fluids
RT Interstellar Grains
RT Interstellar Space
RT Nebulae
RT Optical Depth Curve
RT Spectroscopic Curve of Growth

COSMIC KAONS [01]
(Prior to July, 1975 information was indexed to KAONS.)
DA July 29, 1975
BT1 Kaons
BT2 Pseudoscalar Mesons
BT3 Mesons
BT4 Bosons
BT4 Hadrons
BT5 Elementary Particles
BT2 Strange Mesons
BT3 Mesons
BT4 Bosons
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles
BT1 Secondary Cosmic Radiation
BT2 Cosmic Radiation
BT3 Ionizing Radiations
BT4 Radiations

COSMIC MUONS [01]
(Prior to July, 1975 information was indexed to MUONS.)
DA July 29, 1975
BT1 Muons
BT2 Leptons
BT3 Elementary Particles
BT3 Fermions
BT1 Secondary Cosmic Radiation
BT2 Cosmic Radiation
BT3 Ionizing Radiations
BT4 Radiations

COSMIC NEUTRINOS [01]
(Prior to July, 1975 information was indexed to NEUTRINOS.)
DA July 29, 1975
BT1 Cosmic Radiation
BT2 Ionizing Radiations
BT3 Radiations
BT1 Neutrinos
BT2 Leptons
BT3 Elementary Particles
BT3 Fermions
BT2 Massless Particles
BT3 Elementary Particles

COSMIC NEUTRONS [01]
(Prior to July, 1975 information was indexed to NEUTRONS.)
DA July 29, 1975
BT1 Neutrons
BT2 Nucleons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT1 Secondary Cosmic Radiation
BT2 Cosmic Radiation
BT3 Ionizing Radiations
BT4 Radiations

Cosmic Noise
DA December 1, 1974
USE Radio Noise

COSMIC NUCLEI [01]
(Prior to July , 1975 information was indexed to NUCLEI.)
DA July 29, 1975
BT1 Nuclei
BT1 Primary Cosmic Radiation
BT2 Cosmic Radiation
BT3 Ionizing Radiations
BT4 Radiations

Cosmic Particles
DA December 1, 1974
USE Cosmic Radiation

COSMIC PHOTONS [01]
(Prior to July, 1975 information was indexed to PHOTONS.)
DA July 29, 1975
UF *Cosmic Gamma Rays*
UF *Cosmic X Rays*
BT1 Cosmic Radiation
BT2 Ionizing Radiations
BT3 Radiations
BT1 Photons
BT2 Bosons
BT2 Massless Particles
BT3 Elementary Particles
RT Cosmic Gamma Sources
RT Cosmic X-Ray Sources
RT X-Ray Galaxies

COSMIC PIONS [01]
(Prior to July, 1975 information was indexed to PIONS.)
DA July 29, 1975
BT1 Pions
BT2 Pseudoscalar Mesons

BT3 Mesons
BT4 Bosons
BT4 Hadrons
BT5 Elementary Particles
BT1 *Secondary Cosmic Radiation*
BT2 Cosmic Radiation
BT3 Ionizing Radiations
BT4 Radiations

COSMIC POSITRONS [01]
(Prior to July, 1975 information was indexed to POSITRONS.)
DA July 29, 1975
BT1 Positrons
BT2 Antileptons
BT3 Antiparticles
BT4 Antimatter
BT5 Matter
BT4 Elementary Particles
BT3 Leptons
BT4 Elementary Particles
BT4 Fermions
BT1 Secondary Cosmic Radiation
BT2 Cosmic Radiation
BT3 Ionizing Radiations
BT4 Radiations

COSMIC PROTONS [01]
(Prior to July, 1975 information was indexed to PROTONS.)
DA July 29, 1975
BT1 Cosmic Radiation
BT2 Ionizing Radiations
BT3 Radiations
BT1 Protons
BT2 Nucleons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles

COSMIC RADIATION [01]
(From sources other than the sun; not for SOLAR RADIATION.)
DA December 1, 1974
UF *Cosmic Particles*
BT1 Ionizing Radiations
BT2 Radiations
NT1 Cosmic Neutrinos
NT1 Cosmic Photons
NT1 Cosmic Protons
NT1 Hard Component
NT1 Primary Cosmic Radiation
NT2 Cosmic Alpha Particles
NT2 Cosmic Gamma Bursts
NT2 Cosmic Nuclei
NT2 Cosmic X-Ray Bursts
NT1 Secondary Cosmic Radiation
NT2 Cosmic Electrons
NT2 Cosmic Kaons
NT2 Cosmic Muons
NT2 Cosmic Neutrons
NT2 Cosmic Pions
NT2 Cosmic Positrons
NT2 Cosmic Showers
NT3 Extensive Air Showers
NT1 Soft Component
RT Background Radiation
RT Centauro-Type Events
RT Cosmic Radio Sources
RT Cosmic Ray Detection
RT Cosmic Ray Flux
RT Cosmic Ray Propagation
RT Cosmic X-Ray Sources
RT East-West Asymmetry
RT Forbush Decrease
RT Gamma Astronomy
RT North-South Asymmetry
RT Positive Excess
RT Relict Radiation
RT Solar Radiation
RT Space Flight
RT Stellar Activity
RT Stellar Radiation
RT Supersonic Transport
RT Threshold Rigidity
RT X-Ray Galaxies

COSMIC RADIO SOURCES [01]
DA December 1, 1974
NT1 BL Lacertae Objects
NT1 H1 Regions
NT1 H2 Regions
NT1 Pulsars
NT1 Quasars
NT2 Blue Stellar Objects
NT1 Radio Galaxies
NT1 Supernova Remnants
NT2 Crab Nebula
RT Cosmic Radiation
RT Cosmic Ray Sources
RT Markarian Galaxies
RT Radioastronomy
RT Radiowave Radiation

COSMIC RAY DETECTION [01]
DA December 1, 1974
BT1 Radiation Detection
BT2 Detection
RT Charged Particle Detection
RT Cosmic Radiation
RT Cosmic Ray Spectrometers
RT Muon Detection
RT Radiation Detectors
RT Shower Counters
RT Telescope Counters

COSMIC RAY FLUX [01]
DA December 1, 1974
UF *Flux (Cosmic Ray)*
BT1 Radiation Flux
RT Cosmic Radiation
RT Cosmic Ray Propagation

COSMIC RAY PROPAGATION [01]
DA December 1, 1974
RT Cosmic Radiation
RT Cosmic Ray Flux

COSMIC RAY SOURCES [01]
DA December 1, 1974
NT1 Cosmic Gamma Sources
NT1 Cosmic X-Ray Sources
NT2 Cosmic X-Ray Bursts
NT2 X-Ray Galaxies
RT Cosmic Radio Sources
RT Primary Cosmic Radiation

COSMIC RAY SPECTROMETERS [01]
DA December 1, 1974
BT1 Spectrometers
BT2 Measuring Instruments
RT Cosmic Ray Detection

COSMIC SHOWERS [01]
DA December 1, 1974
BT1 Secondary Cosmic Radiation
BT2 Cosmic Radiation
BT3 Ionizing Radiations
BT4 Radiations
BT1 Showers
NT1 Extensive Air Showers
RT Cascade Showers
RT Centauro-Type Events

COSMIC X-RAY BURSTS [01]
DA March 17, 1981
BT1 Cosmic X-Ray Sources
BT2 Cosmic Ray Sources
BT1 Primary Cosmic Radiation
BT2 Cosmic Radiation
BT3 Ionizing Radiations
BT4 Radiations
RT Cosmic Gamma Bursts
RT X Radiation

COSMIC X-RAY SOURCES [01]
DA December 1, 1974
BT1 Cosmic Ray Sources
NT1 Cosmic X-Ray Bursts
NT1 X-Ray Galaxies
RT Accretion Disks
RT Cosmic Photons
RT Cosmic Radiation
RT Gamma Astronomy
RT Primary Cosmic Radiation
RT X Radiation

Cosmic X Rays
DA February 23, 1979
USE Cosmic Photons

COSMIDS [01]
DA April 15, 1988
RT Bacteriophages
RT DNA-Cloning
DEF DNA-cloning vectors constructed of both plasmid sequences and phage factors.

COSMOCHEMISTRY [01]
DA December 1, 1974
BT1 Chemistry
RT Chemical Composition
RT Element Abundance
RT Nucleosynthesis

Cosmogony
DA December 1, 1974
USE Cosmology

COSMOLOGICAL CONSTANT [01]
DA May 8, 1984
RT Einstein Field Equations
RT General Relativity Theory
RT Space-Time
DEF The multiplicative constant for a term proportional to the metric in Einstein's equation relating the curvature of space to the energy-momentum tensor.

COSMOLOGICAL MODELS [01]
DA December 1, 1974
UF *Einstein-De Sitter Model*
UF *Models (Cosmological)*
BT1 Mathematical Models
NT1 Inflationary Universe
RT Expansion
RT Galactic Evolution
RT General Relativity Theory
RT Planet-System Accretion
RT Protoplanets
RT Protostars
RT Solar Nebula
RT Star Accretion
RT Universe

COSMOLOGY [01]
DA December 1, 1974
UF *Cosmogony*
NT1 Dirac Cosmology
RT Astrophysics
RT Fundamental Constants
RT Galactic Evolution
RT Hubble Effect
RT Mach Principle
RT Matter
RT Origin
RT Red Shift
RT Relativity Theory
RT Schwarzschild Metric
RT Space-Time
RT Star Evolution
RT Universe

Cosmos
DA December 1, 1974
USE Universe

COSMOTRON [01]
DA December 1, 1974
BT1 Synchrotrons
BT2 Cyclic Accelerators
BT3 Accelerators

COSO HOT SPRINGS [01]
DA July 18, 1979
BT1 California
BT2 USA
BT3 Developed Countries
BT3 North America

COSORB PROCESS
DA September 11, 1975
RT Solvent Extraction
DEF Process for the separation of CO from gaseous mixtures by selective adsorption in unique solvent.

COST [01]
DA December 1, 1974
SF *Values*
NT1 Capitalized Cost
NT1 Cost Overruns
NT1 Excess Costs

NT1 Life-Cycle Cost
NT1 Operating Cost
RT Bids
RT Budgets
RT Capital
RT Charges
RT Cost Benefit Analysis
RT Cost Estimation
RT Cost Recovery
RT Economics
RT Embezzlement
RT Energy Expenses
RT Expenditures
RT Financing
RT Fuel Cycle
RT Inflation
RT Investment
RT Nuclear Materials Management
RT Payback Period
RT Present Worth Method
RT Prices
RT Procurement

COST BENEFIT ANALYSIS [01]
DA December 1, 1974
BT1 Economic Analysis
BT2 Economics
RT Comparative Evaluations
RT Cost
RT Cost Estimation
RT Economics
RT Life-Cycle Cost
RT Technology Impacts

COST ESTIMATION [01]
DA August 11, 1982
UF *Appraisal*
RT Cost
RT Cost Benefit Analysis
RT Forecasting
RT Life-Cycle Cost

COST OVERRUNS [01]
DA March 24, 1983
BT1 Cost
RT Charges
RT Excess Costs
RT Procurement

COST RECOVERY [01]
DA March 23, 1983
UF *Reimbursement*
RT Charges
RT Cost
RT Financing

COSTA RICA [01]
DA December 1, 1974
BT1 Central America
BT2 Latin America
BT1 Developing Countries

COSTEAM PROCESS
DA April 8, 1975
BT1 Coal Liquefaction
BT2 Liquefaction
BT3 Thermochemical Processes
DEF A process involving the pumping of a slurry consisting of pulverized coal in lignite-derived oil and a stream of carbon monoxide and/or synthesis gas into a stirred reactor at 400^0 - 450^0 C and 4,000 psig.

COSTER-KRONIG TRANSITIONS [01]
DA December 1, 1974
BT1 Auger Effect
BT1 Energy-Level Transitions

COSY STORAGE RING [01]
DA August 12, 1992
BT1 Synchrotrons
BT2 Cyclic Accelerators
BT3 Accelerators
RT Beam Cooling
RT Storage Rings
DEF Cooled beam synchrotron storage ring at KFZ Juelich, Germany.

COTTON [01]
DA December 1, 1974
RT Cotton Plants
RT Fibers
RT Textiles

Cotton-Mouton Effect
DA December 1, 1974
USE Voigt Effect

COTTON PLANTS [01]
DA December 1, 1974
BT1 Magnoliopsida
BT2 Magnoliophyta
BT3 Plants
RT Boll Weevil
RT Bollworm
RT Cotton
RT Cottonseed Oil

COTTONSEED OIL [01]
DA September 22, 1980
BT1 Vegetable Oils
BT2 Oils
BT3 Other Organic Compounds
BT4 Organic Compounds
RT Cotton Plants

COTTONWOODS [01]
DA March 27, 1979
BT1 Poplars
BT2 Magnoliopsida
BT3 Magnoliophyta
BT4 Plants
BT2 Trees
BT3 Plants
RT Aspens

COUETTE FLOW [01]
DA December 1, 1974
BT1 Viscous Flow
BT2 Fluid Flow

Coulomb Attraction
DA December 1, 1974
USE Coulomb Field

Coulomb Barrier
DA December 1, 1974
USE Coulomb Field

COULOMB CORRECTION [01]
DA December 1, 1974
BT1 Corrections
RT Electromagnetic Interactions

COULOMB ENERGY [01]
DA December 1, 1974
BT1 Energy
RT Binding Energy
RT Nolen-Schiffer Anomaly

COULOMB EXCITATION [01]
DA December 1, 1974
BT1 Excitation
BT2 Energy-Level Transitions
RT Coulomb Scattering

COULOMB FIELD [01]
DA December 1, 1974
UF *Coulomb Attraction*
UF *Coulomb Barrier*
UF *Coulomb Potential*
UF *Coulomb Repulsion*
BT1 Electric Fields
RT Central Potential
RT Coulomb Ionization
RT Nuclear Screening
RT Ponderomotive Force

COULOMB IONIZATION [01]
(Ionization produced by Coulomb forces between a projectile and the target.)
DA November 10, 1977
BT1 Ionization
RT Coulomb Field
RT Inner-Shell Ionization

Coulomb Potential
DA December 1, 1974
USE Coulomb Field

Coulomb Repulsion
DA December 1, 1974
USE Coulomb Field

COULOMB SCATTERING [01]
DA December 1, 1974
BT1 Elastic Scattering
BT2 Scattering
BT1 Electromagnetic Interactions
BT2 Basic Interactions
BT3 Interactions
RT Coulomb Excitation
RT Electron Cooling
RT Potential Scattering

Coulometry
DA December 1, 1974
USE Voltametry

COUMARIN [01]
DA December 1, 1974
BT1 Lactones
BT2 Esters
BT3 Organic Compounds
BT2 Heterocyclic Compounds
BT3 Organic Compounds
BT1 Pyrans
BT2 Heterocyclic Compounds
BT3 Organic Compounds
BT2 Organic Oxygen Compounds
BT3 Organic Compounds

COUMARINS
DA April 20, 1981
BT1 Anticoagulants
BT2 Hematologic Agents
BT3 Drugs
NT1 Dicumarol
NT1 Psoralen
NT1 Tromexan

Council for Mutual Economic Assistance
DA December 1, 1974
USE COMECON

Council on Environmental Quality
DA March 17, 1981
USE US CEQ

COUNTER CURRENT [01]
DA December 1, 1974
RT Chromatography
RT Solvent Extraction

Counterflow Cooling Towers
DA April 29, 1975
USE Cooling Towers
AND Counterflow Systems

COUNTERFLOW SYSTEMS [01]
DA February 20, 1975
UF+ *Counterflow Cooling Towers*
RT Cooling Towers
RT Evaporators
RT Vapor Condensers

Counters (Radiation)
DA December 1, 1974
USE Radiation Detectors

COUNTING CIRCUITS [01]
DA December 1, 1974
BT1 Electronic Circuits
RT Counting Ratemeters
RT Counting Tubes
RT Pulse Circuits
RT Pulse Techniques
RT Radiation Detection
RT Radiation Detectors
RT Scalers
RT Switching Circuits

COUNTING RATEMETERS [01]
DA December 1, 1974
UF *Ratemeters (Counting)*
BT1 Electronic Equipment
BT2 Equipment
NT1 Linear Ratemeters
NT1 Logarithmic Ratemeters
RT Counting Circuits
RT Counting Rates

RT Exposure Ratemeters
RT Pulse Integrators
RT Pulse Techniques

COUNTING RATES [01]
DA December 1, 1974
RT Counting Ratemeters

COUNTING TECHNIQUES [01]
DA December 1, 1974
NT1 Absolute Counting
NT1 Charge Plunger Method
NT1 Cherenkov Counting
NT1 Coincidence Methods
NT2 Coincidence Spectrometry
NT2 Tagged Photon Method
NT1 DSA Method
NT1 Four-Pi Counting
NT1 Low Level Counting
NT1 Photoelectron Counting
NT1 Radioisotope Scanning
NT2 Scintiscanning
NT3 Radioimmunoscintigraphy
NT1 Scintillation Counting
NT1 Sequential Scanning
NT1 Whole-Body Counting
RT Activity Meters
RT Anticoincidence
RT Coincidence Spectrometry
RT Electronic Circuits
RT Electronic Equipment
RT Hodoscopes
RT Position Sensitive Detectors
RT Pulse Techniques
RT Radiation Detectors
RT Recording Systems
RT Telescope Counters

COUNTING TUBES [01]
DA December 1, 1974
UF *Dekatrons*
UF *Trochotrons*
BT1 Electron Tubes
RT Counting Circuits
RT Pulse Techniques
RT Scalers

County Buildings
DA January 9, 1981
USE Public Buildings

Couple Corrosion
DA December 1, 1974
USE Electrochemical Corrosion

COUPLED CHANNEL BORN APPROXIMATION [01]
DA December 1, 1974
UF *CCBA*
BT1 Born Approximation
RT Coupled Channel Theory
RT Nuclear Reaction Kinetics
RT Nuclear Reactions
RT Scattering

COUPLED CHANNEL THEORY [01]
DA December 1, 1974
RT Collisions
RT Coupled Channel Born Approximation
RT Nuclear Reactions

Coupled Fast Reactor Measurement Facility
DA December 1, 1974
USE CFRMF Reactor

COUPLED REACTOR CORES [01]
DA December 1, 1974
BT1 Reactor Cores
BT2 Reactor Components

COUPLING [01]
(Not for joining.)
DA December 1, 1974
NT1 Electron-Electron Coupling
NT1 Electron-Hole Coupling
NT1 Electron-Ion Coupling
NT1 Electron-Phonon Coupling
NT1 Intermediate Coupling
NT2 J-J Coupling
NT2 L-S Coupling
NT1 Pseudovector Coupling
NT1 Ruderman-Kittel Coupling
RT Aligned Coupling Scheme
RT Bootstrap Model
RT Bound State
RT Coupling Constants
RT Decoupling
RT Goldberger-Treiman Relation
RT Impulse Approximation
RT Interactions
RT Particle-Core Coupling Model
RT Quasibound State
RT Strong-Coupling Model
RT Weak-Coupling Model

COUPLING CONSTANTS [01]
DA December 1, 1974
RT Coupling

COUPLINGS
DA September 28, 1976
RT Fasteners
RT Joining

Couplings (Machine Parts)
DA May 10, 1984
USE Machine Parts

Court Buildings
DA January 9, 1981
USE Public Buildings

COURTS [01]
DA June 24, 1977
RT Dispute Settlements
RT Hearings
RT Lawsuits

COVALENCE [01]
DA December 1, 1974
UF *Covalency*
RT Binding Energy

Covalency
DA December 1, 1974
USE Covalence

COVER GAS [01]
DA May 5, 1975
BT1 Gases
BT2 Fluids
BT1 Inert Atmosphere
DEF The inert gas blanket over the liquid metal in a liquid metal cooled reactor.

COVERINGS
DA April 8, 1975
UF *Casings*
NT1 Glazing
NT2 Double Glazing
RT Coatings
RT Containers
RT Glazing Materials
RT Masking
RT Shells
RT Shutters
RT Tubes

Cow-Milkers
DA December 1, 1974
USE Radioisotope Generators

COWBOY EVENT [01]
DA December 1, 1974
BT1 Chemical Explosions
BT2 Explosions
BT1 Vela Project

COWS [01]
DA December 1, 1974
BT1 Cattle
BT2 Domestic Animals
BT3 Animals
BT2 Ruminants
BT3 Mammals
BT4 Vertebrates
BT5 Animals
RT Milk

COYOTES [01]
DA April 17, 1981
UF *Canis Latrans*
BT1 Mammals
BT2 Vertebrates
BT3 Animals
RT Foxes
RT Wild Animals
RT Wolves

CP-2 REACTOR [01]
(ANL, Argonne, Illinois)
DA December 1, 1974
UF *Chicago Pile-2 Reactor*
BT1 Graphite Moderated Reactors
BT2 Reactors
BT1 Materials Testing Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

CP-3' Reactor
DA December 1, 1974
USE CP-3M Reactor

CP-3 REACTOR [01]
(ANL, Argonne, Illinois)
DA December 1, 1974
UF *Argonne Heavy Water Reactor*
BT1 Heavy Water Cooled Reactors
BT2 Reactors
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

CP-3M REACTOR [01]
DA December 1, 1974
UF *Argonne Heavy Water Modified Reactor*
UF *CP-3' Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Heavy Water Cooled Reactors
BT2 Reactors
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

CP-5 REACTOR [01]
(ANL, Argonne, Illinois)
DA December 1, 1974
UF *Argonne Research Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Heavy Water Cooled Reactors
BT2 Reactors
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

CP-6 REACTOR [01]
DA December 1, 1974
UF *AHFR Reactor*
UF *Argonne Advanced Research Reactor*
UF *Argonne High Flux Reactor*
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors

CP-11 Reactor
DA December 1, 1974
USE Argonaut Reactor

CP INVARIANCE [01]
DA December 1, 1974
BT1 Invariance Principles
RT Kobayashi-Maskawa Matrix

CPB [01]
DA December 1, 1974
UF *Competitive Protein Binding*
NT1 PBI
RT Antigen-Antibody Reactions
RT Enzyme Immunoassay
RT Proteins
RT Radioassay
RT Radioimmunoassay

CPDTA [01]
DA December 1, 1974
UF *Cyclopentanediaminetetraacetic Acid*
BT1 Amino Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT1 Chelating Agents

CPPNM [01]
DA November 26, 1990
UF *Convention on the Physical Protection of Nuclear Materials*
BT1 International Agreements
BT2 Agreements
RT Nuclear Materials Diversion
RT Nuclear Materials Management
RT Physical Protection
DEF Convention on the Physical Protection of Nuclear Materials.

CPR
DA April 7, 1983
USE Cardiopulmonary Resuscitation

CPT THEOREM [01]
DA December 1, 1974
BT1 Invariance Principles

CPU-400 COMBUSTION PLANT
DA January 23, 1976
BT1 Waste Processing Plants
BT2 Industrial Plants
RT Combustion
RT Solid Wastes
RT Thermal Power Plants
RT Waste Processing

CRAB NEBULA [01]
DA December 1, 1974
BT1 Nebulae
BT1 Supernova Remnants
BT2 Cosmic Radio Sources
RT Pulsars

CRABS [01]
DA June 15, 1981
BT1 Decapods
BT2 Crustaceans
BT3 Aquatic Organisms
BT3 Arthropods
BT4 Invertebrates
BT5 Animals

Crack Growth
DA October 7, 1980
USE Crack Propagation

CRACK PROPAGATION [01]
DA October 7, 1980
UF *Crack Growth*
RT Brittleness
RT Cracks
RT Fatigue
RT Fracture Mechanics
RT Fractures
RT Stress Intensity Factors

CRACKING [01]
DA December 1, 1974
BT1 Pyrolysis
BT2 Decomposition
BT3 Chemical Reactions
BT2 Thermochemical Processes
NT1 Catalytic Cracking
NT1 Hydrocracking
NT1 Thermal Cracking

CRACKS [01]
DA December 1, 1974
RT Ceramography
RT Crack Propagation
RT Defects
RT Fracture Mechanics
RT Fracture Properties
RT Fractures
RT Geologic Fissures
RT Geologic Fractures
RT Hydraulic Fractures
RT Notches
RT Stress Intensity Factors
RT Thermal Fractures

CRACOW AIC-144 CYCLOTRON [01]
DA August 11, 1982
UF *AIC-144 Cyclotron*
BT1 Isochronous Cyclotrons
BT2 Cyclotrons
BT3 Cyclic Accelerators
BT4 Accelerators

CRACOW C-48 CYCLOTRON [01]
DA February 23, 1979
BT1 Isochronous Cyclotrons
BT2 Cyclotrons
BT3 Cyclic Accelerators
BT4 Accelerators

CRACOW U-120 CYCLOTRON [01]
DA May 25, 1979
BT1 Cyclotrons
BT2 Cyclic Accelerators
BT3 Accelerators
BT1 Heavy Ion Accelerators
BT2 Accelerators

CRAFTSMEN [01]
DA August 7, 1978
BT1 Personnel
BT2 Man
BT3 Primates
BT4 Mammals
BT5 Vertebrates
BT6 Animals
RT Builders
RT Manpower
RT Occupations

CRANES [01]
DA December 1, 1974
BT1 Materials Handling Equipment
BT2 Equipment
RT Hoists
RT Materials Handling

CRANKING MODEL [01]
DA December 1, 1974
BT1 Nuclear Models
BT2 Mathematical Models
RT Deformed Nuclei
RT Governor Model

CRATERING EXPLOSIONS [01]
DA December 1, 1974
BT1 Explosions
NT1 Cabriolet Event
NT1 Danny Boy Event
NT1 Palanquin Event
NT1 Pre-Gondola I Event
NT1 Pre-Gondola II Event
NT1 Schooner Event
NT1 Sedan Event
RT Chemical Explosions
RT Craters
RT Mining
RT Nuclear Excavation
RT Nuclear Explosions
RT Plowshare Project
RT Surface Explosions
RT Surface Mining
RT Underground Explosions
RT Underground Mining

CRATERS [01]
DA December 1, 1974
BT1 Cavities
RT Cratering Explosions
RT Excavation
RT Openings
RT Surface Explosions
RT Underground Explosions

CRAY COMPUTERS [01]
DA July 23, 1977
BT1 Computers
RT Supercomputers

CRE
DA December 1, 1974
USE Cumulative Radiation Effects

CREATINE [01]
DA December 1, 1974
BT1 Amino Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
RT Creatinine
RT Phosphocreatine

CREATININE [01]
DA December 1, 1974
BT1 Imidazoles
BT2 Azoles
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
BT1 Imines
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
RT Creatine

CREATION OPERATORS [01]
DA December 1, 1974
BT1 Quantum Operators
BT2 Mathematical Operators
RT Second Quantization
RT Vacuum States

CREDIT ACCOUNTS
DA May 21, 1983
UF *Bank Accounts*
UF *Letters-of-Credit*
RT Budgets
RT Capital
RT Credit Cards
RT Financing
RT Investment

CREDIT CARDS
DA November 23, 1979
RT Credit Accounts
RT Financing

Credits
DA December 10, 1979
SEE Financial Data

Creeks
DA December 1, 1974
USE Streams

CREEP [01]
DA December 1, 1974
BT1 Mechanical Properties
RT Plasticity
RT Stress Relaxation

CREOSOTE [01]
DA January 24, 1980
RT Coal Tar

RT Cresols
RT Preservatives
RT Wood
RT Wood Burning Appliances
DEF A yellowish oily liquid containing a mixture of phenolic compounds obtained by distillation of coal or wood tars.

CREPIS [01]
DA December 1, 1974
BT1 Magnoliopsida
BT2 Magnoliophyta
BT3 Plants

Cresap Process
DA November 7, 1979
SEE CSF Process

CRESOLS [01]
DA December 1, 1974
UF *Cresylic Acid*
UF *Hydroxytoluenes*
UF *Methyl Phenols*
BT1 Phenols
BT2 Aromatics
BT3 Organic Compounds
BT2 Hydroxy Compounds
BT3 Organic Compounds
RT Creosote

Cresylic Acid
DA December 1, 1974
USE Cresols

CRETACEOUS PERIOD [01]
DA October 19, 1977
BT1 Mesozoic Era
BT2 Geologic Ages

CREVICE CORROSION [01]
DA November 25, 1980
BT1 Corrosion
BT2 Chemical Reactions

CRG PROCESSES
DA March 22, 1976
UF *British Gas Corporation Process*
UF *Catalytic Rich Gas Process*
RT High BTU Gas
RT Synthetic Fuels

Cricetulus
DA December 1, 1974
USE Hamsters

CRIME [01]
DA May 21, 1983
NT1 Embezzlement
NT1 Fraud
NT1 Theft
RT Crime Detection
RT Criminology

CRIME DETECTION [01]
DA December 1, 1974
UF *Forensic Science*
RT Activation Analysis
RT Chemical Analysis
RT Crime
RT Criminology
RT Tracer Techniques

CRIMEA
DA July 5, 1978
BT1 USSR
BT2 Asia
BT2 Developed Countries
BT2 Europe

CRIMINOLOGY
DA November 17, 1976
RT Crime
RT Crime Detection

CRISTOBALITE [01]
DA December 1, 1974
BT1 Oxide Minerals
BT2 Minerals
BT1 Silicate Minerals
BT2 Minerals
RT Quartz
RT Silicon Oxides
DEF A mineral like quartz, SiO_2, present in many siliceous volcanic rocks

Critical Assemblies
DA December 1, 1974
USE Zero Power Reactors

CRITICAL CURRENT [01]
DA December 1, 1974
BT1 Electric Currents
BT2 Currents
RT Superconductivity

Critical Experiments Facility Oak Ridge
DA December 1, 1974
USE OR-CEF Reactor

CRITICAL FIELD [01]
DA December 1, 1974
BT1 Magnetic Fields
RT Superconductivity

CRITICAL FLOW [01]
DA December 1, 1974
BT1 Fluid Flow
RT Critical Velocity
RT Laminar Flow
RT Turbulent Flow
DEF Fluid flow at a critical velocity, e.g. flow at the point at which it changes from laminar to turbulent.

CRITICAL FREQUENCY [01]
DA April 8, 1975
RT Ionosphere
RT Radiowave Radiation
DEF The frequency below which radiation emitted at any angle from an antenna on the earth is reflected back

Critical Group (ICRP)
DA May 10, 1984
USE ICRP Critical Group

Critical Heat Flow
DA December 1, 1974
USE Departure Nucleate Boiling

CRITICAL HEAT FLUX [01]
DA December 1, 1974
BT1 Heat Flux
RT Heat Transfer

CRITICAL MASS [01]
DA December 1, 1974
BT1 Mass
RT Criticality
RT Reflector Savings

Critical Mass Laboratory PNL
DA December 1, 1974
USE CML Reactor

CRITICAL ORGANS [01]
DA December 1, 1974
BT1 Organs
BT2 Body
RT Annual Limit Of Intake

Critical Path Method
DA December 1, 1974
USE Pert Method

CRITICAL PRESSURE [01]
DA December 1, 1974
UF *Pressure (Critical)*
BT1 Thermodynamic Properties
BT2 Physical Properties
RT Supercritical State

CRITICAL SIZE [01]
DA December 1, 1974
BT1 Size
RT Criticality
RT Reflector Savings

CRITICAL TEMPERATURE [01]
(For superconducting transition use TRANSITION TEMPERATURE.)
DA December 1, 1974
BT1 Transition Temperature
BT2 Thermodynamic Properties
BT3 Physical Properties
RT Heat Treatments
RT Phase Diagrams
RT Phase Transformations
RT Supercritical State

CRITICAL VELOCITY [01]
DA December 1, 1974
BT1 Velocity
RT Critical Flow

CRITICALITY [01]
DA December 1, 1974
UF+ *Criticality Accidents*
RT Buckling
RT Chain Reactions
RT Critical Mass
RT Critical Size
RT Fission
RT Multiplication Factors
RT Natural Nuclear Reactors
RT Reactor Kinetics
RT Reactor Safety
RT Reactors
RT Reflector Savings
RT Response Matrix Method
RT Subcriticality

Criticality Accidents
DA December 1, 1974
USE Criticality
AND Radiation Accidents

CRNL MP TANDEM ACCELERATOR [01]
DA August 24, 1976
BT1 Tandem Electrostatic Accelerators
BT2 Electrostatic Accelerators
BT3 Accelerators
BT1 Van de Graaff Accelerators
BT2 Electrostatic Accelerators
BT3 Accelerators

CRNL SUPERCONDUCTING CYCLOTRON [01]
DA October 20, 1982
UF *Chalk River Cyclotron*
BT1 Isochronous Cyclotrons
BT2 Cyclotrons
BT3 Cyclic Accelerators
BT4 Accelerators

•CROATIA [01]
DA January 28, 1993
BT1 Eastern Europe
BT2 Europe

CROCAR [01]
DA December 1, 1974
BT1 Chromium Steels
BT2 Chromium Alloys
BT3 Alloys
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys
BT1 Cobalt Additions
BT2 Cobalt Alloys
BT3 Alloys
BT1 Silicon Additions
BT2 Silicon Alloys
BT3 Alloys
BT1 Vanadium Additions
BT2 Vanadium Alloys
BT3 Alloys

CROCUS REACTOR [01]
(Atomic Engineering Laboratory of the Lausanne Federal Polytechnic School, Lausanne, Switzerland)
DA December 1, 1974
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors

BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

CROLOY [01]
DA December 1, 1974
BT1 Steels
BT2 Iron Base Alloys
BT3 Iron Alloys
BT4 Alloys
NT1 Steel-Cr2Mo
NT2 Steel-10Cd9-10
NT2 Steel-ASTM-A542
NT1 Steel-Cr5Mo
NT1 Steel-Cr13
NT2 Stainless Steel-410
NT1 Steel-Cr16
NT2 Stainless Steel-430
NT1 Steel-Cr17Mn15NNi
NT2 Tenelon
NT1 Steel-Cr18Ni10
NT2 Stainless Steel-18-10

Cropping Systems
DA September 22, 1981
USE Cultivation Techniques

CROPS [01]
DA December 1, 1974
RT Agriculture
RT Biomass Plantations
RT Cereals
RT Cultivation
RT Cultivation Techniques
RT Food
RT Fruits
RT Ground Cover
RT Harvesting
RT Hydroponic Culture
RT Soil Conservation
RT Sugar Cane
RT Tobacco
RT Vegetables
RT Vernalization

CROSS-LINKING [01]
DA December 1, 1974
BT1 Polymerization
BT2 Chemical Reactions
RT Radiation Curing

CROSS-RIDGE MINING
DA July 5, 1978
BT1 Surface Mining
BT2 Mining
RT Coal Mining
DEF Mining beginning and progressing perpendicularly to the long axis of a mountain ridge

CROSS SECTIONS [01]
DA December 1, 1974
NT1 Differential Cross Sections
NT1 Excitation Functions
NT1 Group Constants
NT1 Integral Cross Sections
NT1 Total Cross Sections
RT Breit-Wigner Formula
RT CINDA
RT Detailed Balance Principle
RT Four Momentum Transfer
RT Giant Resonance
RT Giant Resonance Model
RT Intermediate Resonance
RT Intermediate Structure
RT Mean Free Path
RT Multilevel Analysis
RT Nuclear Reactions
RT Peierls Method
RT Reciprocal V Law
RT Rosenbluth Formula
RT Shadow Effect
RT Transfer Matrix Method

Crossed Beams
DA November 14, 1978
USE Colliding Beams

CROSSED FIELDS [01]
DA December 1, 1974
UF *Fields (Crossed)*
RT Electric Fields
RT Magnetic Fields

Crossflow Cooling Towers
DA April 29, 1975
USE Cooling Towers
AND Crossflow Systems

CROSSFLOW SYSTEMS [01]
DA February 20, 1975
UF+ *Crossflow Cooling Towers*
RT Cooling Towers
RT Evaporators
RT Vapor Condensers

CROSSING-OVER [01]
DA December 1, 1974
RT Chromosomes
RT Gene Recombination
RT Gene Recombination Proteins
RT Meiosis
RT Mitosis

CROSSING SYMMETRY [01]
DA December 1, 1974
BT1 Symmetry
RT Scattering Amplitudes

CROSSROADS PROJECT [01]
DA December 1, 1974
UF *Project (Crossroads)*
BT1 Nuclear Explosions
BT2 Explosions
RT Atmospheric Explosions
RT Underwater Explosions

CROSSTIE OPERATION
DA November 23, 1979
BT1 Nuclear Explosions
BT2 Explosions
BT1 Underground Explosions
BT2 Explosions
NT1 Boxcar Event
NT1 Cabriolet Event
NT1 Faultless Event
NT1 Gasbuggy Event
RT Contained Explosions

CROTON OIL [01]
DA December 1, 1974
UF *Tiglium Oil*
BT1 Triglycerides
BT2 Esters
BT3 Organic Compounds
BT2 Lipids
BT3 Organic Compounds
BT1 Vegetable Oils
BT2 Oils
BT3 Other Organic Compounds
BT4 Organic Compounds

CROTONIC ACID [01]
DA December 1, 1974
BT1 Monocarboxylic Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds

CROWDIONS [01]
DA December 1, 1974
BT1 Line Defects
BT2 Crystal Defects
BT3 Crystal Structure
RT Interstitials

Crowfoot
DA December 1, 1974
USE Ranunculaceae

→**CROWN ETHERS [01]**
DA February 14, 1992
BT1 Ethers
BT2 Organic Oxygen Compounds
BT3 Organic Compounds
RT Chelating Agents
RT Complexes
RT Ligands
RT Solvent Extraction

CRUAS-2 REACTOR [01]
(Cruas, France.)
DA December 8, 1989
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

CRUAS-3 REACTOR [01]
(Cruas, France.)
DA December 8, 1989
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

→**CRUAS-4 REACTOR [01]**
(Cruas, France.)
DA September 16, 1992
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

CRUCIBLES [01]
DA December 1, 1974
RT Casting
RT Furnaces
RT Melting

Crude Carriers
DA August 4, 1976
USE Tanker Ships

Crude Oil
DA December 1, 1974
USE Petroleum

CRUISE MISSILES
DA May 2, 1979
BT1 Missiles

CRUSHING [01]
DA December 1, 1974
BT1 Comminution
RT Coal Preparation
RT Fragmentation
RT Ore Processing
RT Pulverizers

CRUSTACEANS [01]
DA December 1, 1974
BT1 Aquatic Organisms
BT1 Arthropods
BT2 Invertebrates
BT3 Animals
NT1 Branchiopods
NT2 Artemia
NT2 Daphnia
NT1 Copepods
NT1 Decapods
NT2 Crabs
NT2 Lobsters
NT2 Prawns
NT2 Shrimp
RT Zooplankton

CRYOBIOLOGY
DA April 17, 1981
BT1 Biology
RT Cryogenics
RT Freezing
RT Thawing

Cryocables
DA January 28, 1975
USE Cryogenic Cables

CRYOGENIC BUBBLE CHAMBERS [01]
DA December 1, 1974
BT1 Bubble Chambers
BT2 Gas Track Detectors
BT3 Radiation Detectors
BT4 Measuring Instruments

CRYOGENIC CABLES [01]
DA January 21, 1975
UF *Cryocables*
BT1 Electric Cables
BT2 Cables
BT2 Conductor Devices
BT3 Electrical Equipment
BT4 Equipment
RT Superconducting Cables

CRYOGENIC FLUIDS [01]
DA October 28, 1975
UF *Cryogens*
BT1 Fluids
RT Cryogenics
RT Helium
RT Hydrogen
RT Liquefied Gases
RT Methane
RT Nitrogen
RT Oxygen
RT Refrigerants

CRYOGENIC STORAGE DEVICES [01]
DA December 1, 1974
BT1 Memory Devices

CRYOGENICS [01]
DA December 1, 1974
RT Adiabatic Demagnetization
RT Cryobiology
RT Cryogenic Fluids
RT Cryopumps
RT Cryostats
RT Cryotrons
RT Dewars
RT Freons
RT Helium Dilution Refrigeration
RT Helium Dilution Refrigerators
RT Hydrogen Storage
RT Magnetic Refrigerators
RT Superconductivity
RT Superfluidity

Cryogens
DA October 28, 1975
USE Cryogenic Fluids

CRYOPUMPS [01]
DA December 1, 1974
BT1 Vacuum Pumps
BT2 Laboratory Equipment
BT3 Equipment
BT2 Pumps
RT Cryogenics
RT High Vacuum
RT Medium Vacuum
RT Ultrahigh Vacuum

CRYOSCOPY [01]
DA December 1, 1974
UF *Freezing Point Depression*
RT Molecular Weight
DEF A phase-equilibrium technique to determine molecular weight and other properties of a solute by dissolving it in a liquid solvent and then ascertaining the solvent's freezing point.

→**CRYOSPHERE**
DA May 28, 1993
NT1 Polar Regions
NT2 Antarctic Regions
NT3 Antarctica
NT2 Arctic Regions
RT Boreal Regions
RT Glaciers
RT Hydrosphere
RT Ice
RT Ice Caps
RT Icebergs
RT Snow
DEF The portion of the climate system consisting of the world's ice masses and snow deposits, which include the continental ice sheets, mountain glaciers, sea ice, surface snow cover, and lake and river ice.

CRYOSTATS [01]
DA December 1, 1974
BT1 Thermostats
BT2 Control Equipment
BT3 Equipment
RT Cryogenics
RT Equipment Protection Devices
RT Helium Dilution Refrigerators
RT Magnetic Refrigerators
RT Refrigerators

CRYOTRONS [01]
DA December 1, 1974
BT1 Superconducting Devices
RT Cryogenics

CRYPT CELLS [01]
DA December 1, 1974
BT1 Somatic Cells
BT2 Animal Cells
RT Epithelium
RT Intestines

CRYPTOGRAPHY
DA July 20, 1984
RT Communications
RT Information Theory
RT Security
DEF The enciphering and deciphering of messages in secret code.

CRYSTAL COUNTERS [01]
DA December 1, 1974
UF *Diamond Counters*
BT1 Radiation Detectors
BT2 Measuring Instruments
NT1 Filament Crystal Counters
RT Bulk Semiconductor Detectors

CRYSTAL DEFECTS [01]
DA December 1, 1974
UF *Lattice Defects*
BT1 Crystal Structure
NT1 Line Defects
NT2 Crowdions
NT2 Dislocations
NT3 Edge Dislocations
NT3 Frank-Read Source
NT3 Screw Dislocations
NT1 Point Defects
NT2 Interstitials
NT3 I Centers
NT2 Vacancies
NT3 Color Centers
NT4 A Centers
NT4 B Centers
NT4 E Centers
NT4 F Centers
NT4 H Centers
NT4 I Centers
NT4 M Centers
NT4 Q Centers
NT4 R Centers
NT4 S Centers
NT4 U Centers
NT4 V Centers
NT4 X Centers
NT4 Z Centers
NT3 Frenkel Defects
NT3 Schottky Defects
NT1 Stacking Faults
RT Cavities
RT Crystal Lattices
RT Inclusions
RT Internal Friction
RT Microstructure
RT Radiation Effects
RT Thermal Spikes
RT Varley Mechanism

CRYSTAL DOPING [01]
DA December 1, 1974
UF *Doping (Crystal)*
RT Doped Materials
RT Fluorine Additions
RT Ion Implantation
RT Trace Amounts

CRYSTAL FACES
DA June 6, 1979
RT Catalysis
RT Configuration
RT Crystal Structure
DEF One of the outward planar surfaces which define a crystal and reflect its internal structure.

CRYSTAL FIELD [01]
DA December 1, 1974
RT Crystal Structure
RT Electronic Structure

CRYSTAL GROWTH [01]
DA December 1, 1974
UF *Growth (Crystal)*
RT Bridgman Method
RT CAST Method
RT Cleavage
RT Crystal Growth Methods
RT Crystallization
RT Crystals
RT Czochralski Method
RT Dendritic Web Growth Method
RT EFG Method
RT Epitaxy
RT Grain Growth
RT Heat Exchanger Method
RT Inverted Stepanov Method
RT Liquid Phase Epitaxy
RT Molecular Beam Epitaxy
RT Nucleation
RT Ribbon-to-Ribbon Method
RT Stockbarger Method
RT Vapor Phase Epitaxy
RT Verneuil Method
RT Zone Melting

CRYSTAL GROWTH METHODS [01]
DA February 11, 1980
NT1 Bridgman Method
NT1 CAST Method
NT1 Czochralski Method
NT1 Dendritic Web Growth Method
NT1 EFG Method
NT1 Heat Exchanger Method
NT1 Inverted Stepanov Method
NT1 LASS Growth Method
NT1 Ribbon-to-Ribbon Method
NT1 Ribbon-to-Sheet Method
NT1 Stockbarger Method
NT1 Verneuil Method
RT Crystal Growth

CRYSTAL LATTICES [01]
DA December 1, 1974
UF *Lattices (Crystal)*
UF *Space Lattices*
BT1 Crystal Structure
NT1 Beta-W Lattices
NT1 Cubic Lattices
NT2 Bcc Lattices
NT2 Fcc Lattices
NT1 Hexagonal Lattices
NT2 Hcp Lattices
NT1 Monoclinic Lattices
NT1 Orthorhombic Lattices
NT1 Tetragonal Lattices
NT1 Triclinic Lattices
NT1 Trigonal Lattices
RT Coordination Valences
RT Crystal Defects
RT Crystallography
RT Crystals
RT Diffraction Methods
RT Electron Channeling
RT Habit Planes
RT Ion Channeling

RT Lattice Parameters
RT Laue Method
RT Laves Phases
RT Microstructure
RT Miller Indices
RT Muon Spin Relaxation
RT Space Groups
RT Trapping
RT Vegard Law

CRYSTAL MODELS [01]
(For theories only.)
DA December 1, 1974
UF *Models (Crystal)*
BT1 Mathematical Models
NT1 Heisenberg Model
NT1 Hubbard Model
NT1 Ising Model
RT Crystal Structure

CRYSTAL-PHASE TRANSFORMATIONS [01]
DA December 1, 1974
UF *Crystal Phase Transitions*
BT1 Phase Transformations
RT Crystal Structure
RT Order-Disorder Transformations

Crystal Phase Transitions
DA May 10, 1984
USE Crystal-Phase Transformations

CRYSTAL RIVER
DA November 28, 1975
BT1 Rivers
BT2 Streams
BT3 Surface Waters
RT Colorado

CRYSTAL RIVER-3 REACTOR [01]
(Citrus, Florida, USA)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

CRYSTAL RIVER-4 REACTOR [01]
(Citrus, Florida, USA)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

CRYSTAL STRUCTURE [01]
DA December 1, 1974
UF *Structure (Crystal)*
NT1 Crystal Defects
NT2 Line Defects
NT3 Crowdions
NT3 Dislocations
NT4 Edge Dislocations
NT4 Frank-Read Source
NT4 Screw Dislocations
NT2 Point Defects
NT3 Interstitials
NT4 I Centers
NT3 Vacancies
NT4 Color Centers
NT5 A Centers
NT5 B Centers
NT5 E Centers
NT5 F Centers
NT5 H Centers
NT5 I Centers
NT5 M Centers
NT5 Q Centers
NT5 R Centers
NT5 S Centers
NT5 U Centers
NT5 V Centers
NT5 X Centers
NT5 Z Centers
NT4 Frenkel Defects
NT4 Schottky Defects
NT2 Stacking Faults
NT1 Crystal Lattices
NT2 Beta-W Lattices
NT2 Cubic Lattices
NT3 Bcc Lattices
NT3 Fcc Lattices
NT2 Hexagonal Lattices
NT3 Hcp Lattices
NT2 Monoclinic Lattices
NT2 Orthorhombic Lattices
NT2 Tetragonal Lattices
NT2 Triclinic Lattices
NT2 Trigonal Lattices
RT Allotropy
RT Axial Ratio
RT Configuration
RT Crystal Faces
RT Crystal Field
RT Crystal Models
RT Crystal-Phase Transformations
RT Crystallography
RT Guinier-Preston Zones
RT Kikuchi Lines
RT Lattice Vibrations
RT Metamict State
RT Morphology
RT Order Parameters
RT Peierls-Nabarro Force
RT Physical Metallurgy
RT Solid State Physics
RT Structure Factors
RT Texture
RT Twinning

Crystal Violet
DA July 18, 1979
USE Methyl Violet

CRYSTALLINE LENS [01]
DA December 1, 1974
UF *Lens (Crystalline)*
BT1 Eyes
BT2 Face
BT3 Head
BT4 Body Areas
BT5 Body
BT2 Sense Organs
BT3 Organs
BT4 Body
RT Cataracts

Crystalline Rocks
DA February 9, 1983
USE Igneous Rocks
AND Metamorphic Rocks
DEF General term for igneous and metamorphic rocks as opposed to sedimentary rocks.

CRYSTALLIZATION [01]
DA December 1, 1974
BT1 Phase Transformations
RT Agglomeration
RT Amorphous State
RT Cleavage
RT Crystal Growth
RT Crystals
RT Epitaxy
RT Frost
RT Mineralization
RT Nucleation
RT Precipitation
RT Purification
RT Recrystallization
RT Separation Processes
RT Solidification
RT Solubility
RT Zone Refining

CRYSTALLOGRAPHY [01]
DA December 1, 1974
UF *Radiocrystallography*
RT Atomic Beam Diffraction
RT Crystal Lattices
RT Crystal Structure
RT Crystals
RT Diffraction Methods
RT Electron Diffraction
RT Gamma Diffractometers
RT Neutron Diffraction
RT Neutron Diffractometers
RT Patterson Method
RT X-Ray Diffraction
RT X-Ray Diffractometers

CRYSTALS [01]
DA December 1, 1974
NT1 Anharmonic Crystals
NT1 Dendrites
NT1 Ionic Crystals
NT1 Liquid Crystals
NT1 Molecular Crystals
NT1 Monocrystals
NT2 Whiskers
NT1 Polycrystals
NT2 Bicrystals
NT1 Quantum Crystals
RT Clathrates
RT Crystal Growth
RT Crystal Lattices
RT Crystallization
RT Crystallography
RT Ion Implantation
RT Portevin-Le Chatelier Effect
RT Riehl-Schon Model
RT Solids
RT Umklapp Processes
RT Varley Mechanism

CS-R PROCESS
DA August 4, 1981
UF *Rockwell Flash Hydrolieuefaction Process*
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes
RT High BTU Gas
RT Hydrogenation
DEF Hydrogasification process, developed by Cities Service and Rockwell International, in which entrained coal particles are hydrogenated using hot hydrogen.

CS-SR Process
(Prior to July 1993, this was a valid descriptor.)
DA October 23, 1978
SEE Coal Gasification
OR Coal Liquefaction
DEF Cities Service process for non-catalytic vapor-phase hydrogenation of carbonaceous feedstocks.

CSF PROCESS
DA January 23, 1975
UF *Consol Synthetic Fuel Process*
SF *Cresap Process*
BT1 Coal Liquefaction
BT2 Liquefaction
BT3 Thermochemical Processes
DEF Consolidation Coal Company process for the direct conversion of coal to synthetic crude oil by hydrogenation after solvent extraction (extension and improvement over Pott-Broche Process).

CSIRO PROCESS
DA November 28, 1975
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes
RT Carbonization
RT Chars
DEF Commonwealth Scientific and Industrial Research Organization process for fluidized-bed hydrocarbonization of non-caking brown coal to produce methane, liquor, tar, and residual char.

CSREX PROCESS [01]
DA December 1, 1974

BT1 Reprocessing
BT2 Separation Processes
RT Solvent Extraction

CT-6B TOKAMAK [01]
(Academia Sinica, Beijing, China.)
DA January 3, 1990
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

CT Scanning
DA March 3, 1978
USE CAT Scanning

CTX SPHEROMAK [01]
DA May 8, 1984
BT1 Spheromak Devices
BT2 Tokamak Devices
BT3 Closed Plasma Devices
BT4 Thermonuclear Devices
DEF A LASL facility to investigate the production, equilibrium, stability, and confinement properties of compact toroids of the spheromak type in the absence of externally supported toroidal fields.

CUBA [01]
DA December 1, 1974
BT1 Developing Countries
BT1 Greater Antilles
BT2 West Indies
BT3 Islands
BT1 Latin America

CUBIC LATTICES [01]
DA December 1, 1974
UF *Perovskite Crystal Structure*
BT1 Crystal Lattices
BT2 Crystal Structure
NT1 Bcc Lattices
NT1 Fcc Lattices

CUCUMBERS [01]
DA December 1, 1974
BT1 Magnoliopsida
BT2 Magnoliophyta
BT3 Plants
BT1 Vegetables
BT2 Food
BT2 Plants

Cucurbita foetidissima
DA November 25, 1980
USE Buffalo Gourd

CUEX [01]
DA December 16, 1975
UF *Cumulative Exposure Index*
RT Human Populations
RT ICRP
RT Integral Doses

CULHAM LABORATORY [01]
DA March 7, 1983
BT1 UKAEA
BT2 United Kingdom Organizations
BT3 National Organizations

CULM
DA September 27, 1979
BT1 Mineral Wastes
BT2 Solid Wastes
BT3 Wastes
RT Anthracite
RT Coal
RT Surface Mining
DEF Coal dust or slack;formations of shale or sandstone containing beds of impure anthracite.

CULTIVATION
DA December 22, 1977
RT Agriculture
RT Crops
RT Cultivation Techniques

CULTIVATION TECHNIQUES [01]
DA December 1, 1974
UF *Cropping Systems*
UF *Plant Cultivation*
NT1 Hydroponic Culture
NT1 Short Rotation Cultivation
RT Agriculture
RT Crops
RT Cultivation
RT Irrigation

CULTURAL OBJECTS [01]
(Objects of historical and/or artistic value.)
DA February 9, 1982
UF *Art Objects*
RT Age Estimation
RT Archaeological Sites
RT Archaeological Specimens
RT Historical Aspects
RT Preservation

CULTURAL RESOURCES
DA December 11, 1978
BT1 Resources
RT Archaeological Specimens
RT Architecture
DEF Archaelogical and historical sites.

CULTURE MEDIA [01]
DA December 1, 1974
RT Batch Culture
RT Cell Cultures
RT Continuous Culture
RT In Vitro
RT Nutrients
RT Semibatch Culture
RT Single Cell Protein
RT Tissue Cultures

Cultures (Cells)
DA December 1, 1974
USE Cell Cultures

Cultures (Tissue)
DA December 1, 1974
USE Tissue Cultures

CUMBERLAND RIVER [01]
DA December 1, 1974
BT1 Rivers
BT2 Streams
BT3 Surface Waters
RT Kentucky
RT Tennessee

CUMENE [01]
DA December 1, 1974
UF *Isopropylbenzene*
BT1 Aromatics
BT2 Organic Compounds
BT1 Hydrocarbons
BT2 Organic Compounds

Cumulative Effect
DA May 10, 1984
USE Limiting Fragmentation
AND Particle Production

Cumulative Exposure Index
DA December 22, 1975
USE CUEX

CUMULATIVE RADIATION EFFECTS [01]
DA December 1, 1974
UF *CRE*
BT1 Radiation Effects
RT Fractionated Irradiation
RT Radiation Doses
RT Radiotherapy
RT Temporal Dose Distributions

CUNICO [01]
DA December 1, 1974
BT1 Cobalt Alloys
BT2 Alloys
BT1 Copper Alloys
BT2 Alloys
BT1 Nickel Alloys
BT2 Alloys

CUPFERRON [01]
DA December 1, 1974
UF *Phenylhydroxylamine*
BT1 Amines
BT2 Organic Compounds
BT1 Hydroxy Compounds
BT2 Organic Compounds
BT1 Reagents

CUPRATES [01]
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
DA December 1, 1974
BT1 Copper Compounds
BT2 Transition Element Compounds
BT1 Oxygen Compounds
RT Copper Oxides

CUPROSKLODOWSKITE [01]
DA December 1, 1974
BT1 Silicate Minerals
BT2 Minerals
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
RT Copper Silicates
RT Uranium Silicates

CURCUMIN [01]
DA December 1, 1974
BT1 Dyes
BT1 Ethers
BT2 Organic Oxygen Compounds
BT3 Organic Compounds
BT1 Ketones
BT2 Organic Compounds
BT1 Polyphenols
BT2 Phenols
BT3 Aromatics
BT4 Organic Compounds
BT3 Hydroxy Compounds
BT4 Organic Compounds

Curie Law
DA December 1, 1974
USE Curie-Weiss Law

CURIE POINT [01]
DA December 1, 1974
UF *Curie Temperature*
BT1 Transition Temperature
BT2 Thermodynamic Properties
BT3 Physical Properties
RT Ferromagnetism
RT Magnetic Susceptibility

Curie Temperature
DA December 1, 1974
USE Curie Point

CURIE-WEISS LAW [01]
DA December 1, 1974
UF *Curie Law*
RT Magnetic Susceptibility

CURING [01]
DA March 3, 1978
NT1 Radiation Curing
RT Drying
RT Heat Treatments
RT Polymerization
RT Vulcanization

CURITE [01]
DA December 1, 1974
BT1 Oxide Minerals
BT2 Minerals
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
RT Lead Oxides
RT Uranium Oxides

CURIUM [01]
DA December 1, 1974
BT1 Actinides
BT2 Metals

BT3 Elements
BT1 Transplutonium Elements
BT2 Transuranium Elements
BT3 Elements

CURIUM 232 [01]
DA November 23, 1979
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Curium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei

CURIUM 236 [01]
DA April 11, 1986
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Curium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CURIUM 238 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Curium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CURIUM 239 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Curium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CURIUM 240 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Curium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CURIUM 241 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Curium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CURIUM 242 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Curium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CURIUM 242 TARGET [01]
DA July 9, 1976
BT1 Targets

CURIUM 243 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Curium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CURIUM 243 TARGET [01]
DA November 29, 1976
BT1 Targets

CURIUM 244 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Curium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CURIUM 244 TARGET [01]
DA July 9, 1976
BT1 Targets

CURIUM 245 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Curium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CURIUM 245 TARGET [01]
DA July 9, 1976
BT1 Targets

CURIUM 246 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Curium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CURIUM 246 TARGET [01]
DA September 29, 1976
BT1 Targets

CURIUM 247 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Curium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CURIUM 247 TARGET [01]
DA March 8, 1978
BT1 Targets

CURIUM 248 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Curium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Spontaneous Fission Radioisotopes

BT2 Radioisotopes
BT3 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CURIUM 248 TARGET [01]
DA July 9, 1976
BT1 Targets

CURIUM 249 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Curium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CURIUM 249 TARGET [01]
DA September 5, 1984
BT1 Targets

CURIUM 250 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Curium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CURIUM 250 TARGET [01]
DA July 9, 1976
BT1 Targets

CURIUM 251 [01]
DA May 7, 1977
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Curium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

CURIUM 252 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Curium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei

CURIUM ADDITIONS [01]
DA December 1, 1974
BT1 Curium Alloys
BT2 Actinide Alloys
BT3 Alloys

CURIUM ALLOYS [01]
DA December 1, 1974
BT1 Actinide Alloys
BT2 Alloys
NT1 Curium Additions
NT1 Curium Base Alloys

CURIUM ARSENIDES [01]
DA June 12, 1975
BT1 Arsenides
BT2 Arsenic Compounds
BT2 Pnictides
BT1 Curium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds

CURIUM BASE ALLOYS [01]
DA December 1, 1974
BT1 Curium Alloys
BT2 Actinide Alloys
BT3 Alloys

CURIUM BROMIDES [01]
DA December 1, 1974
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Curium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds

CURIUM CARBIDES [01]
DA December 1, 1974
BT1 Carbides
BT2 Carbon Compounds
BT1 Curium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds

CURIUM CARBONATES [01]
DA December 1, 1974
BT1 Carbonates
BT2 Carbon Compounds
BT2 Oxygen Compounds
BT1 Curium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds

CURIUM CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Curium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds

CURIUM COMPLEXES [01]
DA December 1, 1974
BT1 Actinide Complexes
BT2 Complexes
BT1 Transuranium Complexes

CURIUM COMPOUNDS [01]
DA December 1, 1974
BT1 Actinide Compounds
BT1 Transplutonium Compounds
BT2 Transuranium Compounds
NT1 Curium Arsenides
NT1 Curium Bromides
NT1 Curium Carbides
NT1 Curium Carbonates
NT1 Curium Chlorides
NT1 Curium Fluorides
NT1 Curium Hydrides
NT1 Curium Hydroxides
NT1 Curium Iodides
NT1 Curium Nitrates
NT1 Curium Nitrides
NT1 Curium Oxides
NT1 Curium Phosphides
NT1 Curium Selenides
NT1 Curium Silicates
NT1 Curium Silicides
NT1 Curium Sulfates
NT1 Curium Sulfides
NT1 Curium Tellurides

CURIUM FLUORIDES [01]
DA December 1, 1974
BT1 Curium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds

CURIUM HYDRIDES [01]
DA December 27, 1984
BT1 Curium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Hydrides
BT2 Hydrogen Compounds

CURIUM HYDROXIDES [01]
DA December 1, 1974
BT1 Curium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds

CURIUM IODIDES [01]
DA March 24, 1987
BT1 Curium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds

CURIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

CURIUM ISOTOPES [01]
DA December 1, 1974
BT1 Actinide Isotopes
BT2 Isotopes
NT1 Curium 232
NT1 Curium 236
NT1 Curium 238
NT1 Curium 239
NT1 Curium 240
NT1 Curium 241
NT1 Curium 242
NT1 Curium 243
NT1 Curium 244
NT1 Curium 245
NT1 Curium 246
NT1 Curium 247
NT1 Curium 248
NT1 Curium 249
NT1 Curium 250
NT1 Curium 251
NT1 Curium 252

CURIUM NITRATES [01]
DA December 1, 1974
BT1 Curium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds

CURIUM NITRIDES [01]
DA December 1, 1974

BT1 Curium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides

CURIUM OXIDES [01]
DA December 1, 1974
BT1 Curium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds

CURIUM PHOSPHIDES [01]
DA June 12, 1975
BT1 Curium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Phosphides
BT2 Phosphorus Compounds
BT2 Pnictides

CURIUM SELENIDES [01]
DA October 28, 1975
BT1 Curium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Selenides
BT2 Chalcogenides
BT2 Selenium Compounds

CURIUM SILICATES [01]
DA September 5, 1984
BT1 Curium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Silicates
BT2 Oxygen Compounds
BT2 Silicon Compounds

CURIUM SILICIDES [01]
DA November 9, 1983
BT1 Curium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Silicides
BT2 Silicon Compounds

CURIUM SULFATES [01]
DA December 1, 1974
BT1 Curium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds

CURIUM SULFIDES [01]
DA December 1, 1974
BT1 Curium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds

CURIUM TELLURIDES [01]
DA November 1, 1976
BT1 Curium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds

Current (Alternating)
DA December 1, 1974
USE Alternating Current

Current (Direct)
DA December 1, 1974
USE Direct Current

Current (Leakage)
DA December 1, 1974
USE Leakage Current

CURRENT ALGEBRA [01]
DA December 1, 1974
RT Algebraic Currents
RT Cabibbo Angle
RT Commutation Relations
RT Commutators
RT Current Commutators
RT Current Divergences
RT CVC Theory
RT Field Algebra
RT Low-Energy Theorem
RT PCAC Theory
RT PCVC Theory
RT Quantum Field Theory
RT Symmetry Groups
RT V-A Theory

CURRENT COMMUTATORS [01]
(For operators in current algebra; in electric circuitry use SWITCHES.)
DA December 1, 1974
BT1 Commutators
BT2 Quantum Operators
BT3 Mathematical Operators
NT1 Sigma Terms
RT Algebraic Currents
RT Current Algebra
RT Schwinger Terms

CURRENT DENSITY [01]
DA June 12, 1975
RT Beam Currents
RT Carrier Density
RT Electric Currents
RT Electron Density

CURRENT DIVERGENCES [01]
DA December 1, 1974
RT Algebraic Currents
RT Current Algebra

CURRENT-DRIVE HEATING [01]
DA October 5, 1982
BT1 Joule Heating
BT2 Plasma Heating
BT3 Heating
BT2 Resistance Heating
BT3 Electric Heating
BT4 Heating
RT Non-Inductive Current Drive
DEF Techniques for inducing steady-state currents in tokamaks, hence, overcoming the problems associated with pulsed operation. Heating mechanisms which can lend themselves efficiently to continuous current generation include neutral beams, Alfven waves, ion-cyclotron waves, lower-hybrid waves, and electron cyclotron waves.

CURRENT LIMITERS [01]
DA March 8, 1977
UF *Demand Limiters*
BT1 Electrical Equipment
BT2 Equipment
RT Circuit Breakers
RT Electric Currents
RT Power Transmission Lines
RT Threshold Current
DEF A device that restricts the flow of current to a certain amount, regardless of the applied voltage.

Current Limiting Fuses
DA October 24, 1981
USE Threshold Current

CURRENT-TO-FREQUENCY CONVERTERS
DA April 15, 1975
BT1 Pulse Converters
BT2 Electronic Equipment
BT3 Equipment

CURRENTS [01]
DA December 1, 1974
NT1 Algebraic Currents
NT2 Axial-Vector Currents
NT2 Charged Currents
NT3 Weak Charged Currents
NT2 Neutral Currents
NT3 Weak Neutral Currents
NT2 Second-Class Currents
NT2 Vector Currents
NT1 Beam Currents
NT2 Amp Beam Currents
NT2 Kilo Amp Beam Currents
NT2 Mega Amp Beam Currents
NT2 Micro Amp Beam Currents
NT2 Milli Amp Beam Currents
NT2 Nano Amp Beam Currents
NT2 Pico Amp Beam Currents
NT1 Electric Currents
NT2 Alternating Current
NT2 Bootstrap Current
NT2 Critical Current
NT2 Direct Current
NT2 Eddy Currents
NT2 Electric Arcs
NT2 Electrojets
NT2 Faraday Current
NT2 Flashover
NT2 Foucault Current
NT2 Leakage Current
NT2 Photocurrents
NT2 Ring Currents
NT2 Threshold Current
NT1 Water Currents
NT2 Gulf Stream
RT Atmospheric Circulation
RT Voltametry

Currents (Algebraic)
DA December 1, 1974
USE Algebraic Currents

Currents (Beam)
DA December 1, 1974
USE Beam Currents

Currents (Electric)
DA December 1, 1974
USE Electric Currents

Currents (Neutral)
DA December 1, 1974
USE Neutral Currents

Currents (Water)
DA July 18, 1979
USE Water Currents

CURRICULUM GUIDES
DA June 21, 1977
RT Education
RT Educational Tools

Curtailments
DA March 3, 1978
USE Allocations

CURTAINS
DA February 27, 1979
UF *Draperies*
RT Air Curtains
RT Buildings
RT Passive Solar Cooling Systems
RT Passive Solar Heating Systems
RT Screens
RT Shading
RT Shutters
RT Sun Shades
RT Thermal Insulation
RT Windows

Curves
DA December 1, 1974
USE Diagrams

CURVILINEAR COORDINATES [01]
DA August 9, 1985
BT1 Coordinates

NT1 Magnetic Flux Coordinates
RT Metrics
RT Riemann Space

CUSHING SYNDROME [01]
DA December 1, 1974
BT1 Endocrine Diseases
BT2 Diseases
RT Corticosteroids
RT Pituitary Gland

Cusp
DA December 1, 1974
USE Cusped Geometries

CUSPED GEOMETRIES [01]
DA December 1, 1974
UF *Cusp*
UF *Picket Fence*
BT1 Open Configurations
BT2 Magnetic Field Configurations
RT Geometry

CUTTER LOADERS
DA June 2, 1977
BT1 Cutting Machines
BT2 Mining Equipment
BT3 Equipment
BT1 Loaders
BT2 Haulage Equipment
BT3 Materials Handling Equipment
BT4 Equipment
NT1 Coal Plows
NT1 Continuous Miners
NT1 Heading Machines
NT1 Shearer Loaders
RT Coal Mining

CUTTING [01]
DA December 1, 1974
BT1 Machining
RT Cutting Tools
RT Mechanical Decladding

CUTTING FLUIDS
DA May 12, 1982
BT1 Fluids
RT Coolants
RT Lubricants
RT Machining

CUTTING MACHINES
DA April 9, 1985
BT1 Mining Equipment
BT2 Equipment
NT1 Cutter Loaders
NT2 Coal Plows
NT2 Continuous Miners
NT2 Heading Machines
NT2 Shearer Loaders
RT Coal Mining

CUTTING TOOLS [01]
DA December 1, 1974
BT1 Tools
RT Cutting
RT Shredders

CUTTINGS REMOVAL [01]
DA March 23, 1983
UF *Drill Cuttings Removal*
BT1 Removal
RT Coring Fluids
RT Drilling
RT Drilling Fluids
RT Well Drilling

CVC THEORY [01]
DA December 1, 1974
RT Current Algebra
RT Vector Currents

CVTR REACTOR [01]
DA December 1, 1974
UF *Carolinas Virginia Tube Reactor*
UF *Parr Carolinas CVTR Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 PHWR Type Reactors
BT2 Heavy Water Cooled Reactors
BT3 Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

CWIP
(Construction Work in Progress.)
DA November 14, 1978
UF *Construction Work in Progress*
BT1 Construction
RT Accounting
RT AFUDC
RT Public Utilities

CYAM PROCESS
DA March 23, 1983
BT1 Waste Processing
BT2 Processing
BT2 Waste Management
BT3 Management
RT Ammonia
DEF Proprietary US Steel Corp. process for recovering both free and fixed ammonia from waste water.

CYANAMIDES [01]
DA December 1, 1974
BT1 Carbonic Acid Derivatives
BT2 Organic Compounds
BT1 Organic Nitrogen Compounds
BT2 Organic Compounds

CYANATES [01]
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
DA December 1, 1974
BT1 Carbonic Acid Derivatives
BT2 Organic Compounds
BT1 Nitrogen Compounds
RT Cyanides
RT Isocyanates
RT Oxygen Compounds

CYANIDES [01]
(Specific compounds, except those of significance to energy research and development, should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
DA December 1, 1974
NT1 Hydrocyanic Acid
RT Cyanates
RT Cyanogen

CYANINE DYES [01]
DA May 2, 1979
BT1 Dyes
RT Aromatics
RT Heterocyclic Compounds

Cyanoacetylene
DA January 28, 1975
USE Propiolonitrile

CYANOBACTERIA [01]
DA March 7, 1983
UF *Blue-Green Algae*
BT1 Microorganisms

Cyanocobalamin
DA December 1, 1974
USE Vitamin B-12

CYANOGEN [01]
DA December 1, 1974
RT Cyanides

CYANURATES [01]
DA December 1, 1974
BT1 Organic Oxygen Compounds
BT2 Organic Compounds
BT1 Triazines
BT2 Azines
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds

CYBERNETICS [01]
DA December 1, 1974
RT Control
RT Information Theory
RT Man-Machine Systems

CYCASIN
DA January 28, 1975
BT1 Azo Compounds
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
BT1 Carcinogens
BT1 Hexoses
BT2 Monosaccharides
BT3 Saccharides
BT4 Carbohydrates
BT5 Organic Compounds

CYCLASES [01]
DA March 7, 1983
BT1 Lyases
BT2 Enzymes
BT3 Proteins
BT4 Organic Compounds
RT Phosphoproteins

Cycles (Thermodynamic)
DA December 1, 1974
USE Thermodynamic Cycles

CYCLIC ACCELERATORS [01]
DA December 1, 1974
UF *Linotrons*
BT1 Accelerators
NT1 Betatrons
NT1 Bevalac
NT1 Cyclotrons
NT2 Cracow U-120 Cyclotron
NT2 Isochronous Cyclotrons
NT3 AABO Cyclotron
NT3 ALICE Cyclotron
NT3 APACHE
NT3 Brookhaven Cyclotron
NT3 Chicago Cyclotron
NT3 Cracow AIC-144 Cyclotron
NT3 Cracow C-48 Cyclotron
NT3 CRNL Superconducting Cyclotron
NT3 CYCLONE Cyclotron
NT3 CYRIC Cyclotron
NT3 Debrecen Cyclotron
NT3 Eindhoven Cyclotron
NT3 Grenoble Cyclotron
NT3 HAIZY Cyclotron
NT3 HIRFL Cyclotron
NT3 INR Cyclotron
NT3 IPCR Cyclotron
NT3 IU Cyclotron
NT3 JINR Cyclotrons
NT4 JINR U-400 Cyclotron
NT3 JULIC Cyclotron
NT3 Karlsruhe Cyclotron
NT3 Kazakhstan Cyclotron
NT3 Kiev Cyclotron
NT3 KVI Cyclotron
NT3 Milan Superconducting Cyclotron
NT3 MSU Cyclotrons
NT3 Munich Compact Cyclotron
NT3 Munich SUSE Cyclotron
NT3 NAC Cyclotron
NT3 NIRS Cyclotron
NT3 NRL Cyclotron
NT3 ORNL Isochronous Cyclotron
NT3 Orsay Cyclotron
NT3 Oslo Cyclotron
NT3 Princeton Cyclotron
NT3 RCNP Cyclotron
NT3 Sara Cyclotron
NT3 SIN Cyclotron
NT3 Texas A and M Cyclotron
NT3 Texas Superconducting Cyclotron
NT3 Tokyo INS Cyclotron
NT3 TRIUMF Cyclotron
NT3 UCLRL Cyclotrons
NT4 LBL 88-Inch Cyclotron
NT3 Warsaw Cyclotron
NT2 Microtrons

NT3 Racetrack Microtrons
NT2 NBI Cyclotron
NT2 Separated Orbit Cyclotrons
NT3 ORNL Separated Orbit Cyclotron
NT2 Superconducting Cyclotrons
NT3 Milan Superconducting Cyclotron
NT3 Texas Superconducting Cyclotron
NT2 Variable Energy Cyclotrons
NT3 Calcutta Cyclotron
NT3 Chandigarh Cyclotron
NT3 CYRIC Cyclotron
NT1 Synchrocyclotrons
NT2 Berkeley Synchrocyclotron
NT2 CERN Synchrocyclotron
NT2 Chicago Synchrocyclotron
NT2 Dubna Synchrocyclotron
NT2 Goettingen Synchrocyclotron
NT2 Harvard Synchrocyclotron
NT2 Harwell Synchrocyclotron
NT2 IKO Synchrocyclotron
NT2 Leningrad Synchrocyclotron
NT2 McGill Synchrocyclotron
NT2 Orsay Synchrocyclotron
NT2 Uppsala Synchrocyclotron
NT1 Synchrotrons
NT2 Bevatron
NT2 Birmingham Synchrotron
NT2 Bonn Synchrotron
NT2 Brookhaven AGS
NT2 Caltech Synchrotron
NT2 Cambridge Electron Accelerator
NT2 CERN PS Synchrotron
NT2 CERN SPS Synchrotron
NT2 Cornell 2-GeV Synchrotron
NT2 Cornell 10-GeV Synchrotron
NT2 Cosmotron
NT2 Cosy Storage Ring
NT2 DESY
NT2 Erevan Synchrotron
NT2 Escar Storage Ring
NT2 Fermilab Accelerator
NT2 Fermilab Tevatron
NT2 FIAN Synchrotron
NT2 Frascati Synchrotron
NT2 Glasgow Synchrotron
NT2 HIMAC Accelerator
NT2 IPNS-I Synchrotron
NT2 ITEP Synchrotron
NT2 JINR Synchrotron
NT2 KEK Synchrotron
NT2 LAMPF II Synchrotron
NT2 LUSY
NT2 MURA Synchrotron
NT2 Nimrod
NT2 Nina
NT2 NSLS
NT2 Omnitron
NT2 Orsay Synchrotron
NT2 Pakhra Synchrotron
NT2 Princeton Synchrotron
NT2 Saturne
NT2 Saturne II
NT2 Serpukhov Synchrotron
NT2 Serpukhov Tevatron
NT2 SIS Synchrotron
NT2 Tokyo Synchrotron
NT2 Tomsk Synchrotron
NT2 ZGS
RT Cavity Resonators
RT Drift Tubes
RT RF Systems
RT Superconducting Cavity Resonators
RT Waveguides

Cyclic Adenosine Monophosphate
DA December 1, 1974
USE AMP

Cyclic Amides
DA December 1, 1974
USE Lactams

Cyclic Esters
DA December 1, 1974
USE Lactones

Cyclic Steam Injection Process
DA June 7, 1976
USE Fluid Injection Processes

CYCLIZATION [01]
DA April 28, 1983
BT1 Chemical Reactions

CYCLOALKANES [01]
DA December 1, 1974
BT1 Alkanes
BT2 Hydrocarbons
BT3 Organic Compounds
NT1 Adamantane
NT1 Condensed Cycloalkanes
NT1 Cyclohexane
NT1 Decalin

CYCLOALKENES [01]
DA December 1, 1974
BT1 Alkenes
BT2 Hydrocarbons
BT3 Organic Compounds
NT1 Camphene
NT1 Cyclopentadiene
NT1 Norbornadiene
NT1 Quadricyclene

CYCLOALKYNES
DA October 24, 1984
BT1 Alkynes
BT2 Hydrocarbons
BT3 Organic Compounds

Cycloheptatrienones
DA December 1, 1974
USE Tropones

CYCLOHEXANE [01]
DA December 1, 1974
BT1 Cycloalkanes
BT2 Alkanes
BT3 Hydrocarbons
BT4 Organic Compounds
RT Hexane

CYCLOHEXANOL
DA January 28, 1975
BT1 Alcohols
BT2 Hydroxy Compounds
BT3 Organic Compounds

CYCLOHEXANONE
DA January 28, 1975
BT1 Ketones
BT2 Organic Compounds

CYCLOHEXIMIDE [01]
DA December 1, 1974
BT1 Antibiotics
BT2 Anti-Infective Agents
BT3 Drugs
BT1 Fungicides
BT2 Pesticides

Cyclohexylenedinitrilotetraacetic Acid
DA December 1, 1974
USE CDTA

CYCLONE COMBUSTORS
DA September 26, 1979
BT1 Combustors

CYCLONE CYCLOTRON [01]
(Universite Catholique de Louvain Cyclotron.)
DA March 24, 1983
BT1 Isochronous Cyclotrons
BT2 Cyclotrons
BT3 Cyclic Accelerators
BT4 Accelerators

CYCLONE SEPARATORS [01]
DA December 1, 1974
UF *Hydrocyclones*
BT1 Concentrators
BT1 Inertial Separators
BT2 Pollution Control Equipment
BT3 Equipment
BT2 Separation Equipment
RT Scrubbers
RT Separation Processes

CYCLOPENTADIENE [01]
DA December 1, 1974
BT1 Cycloalkenes
BT2 Alkenes
BT3 Hydrocarbons
BT4 Organic Compounds
BT1 Dienes
BT2 Polyenes
BT3 Hydrocarbons
BT4 Organic Compounds

Cyclopentanediaminetetraacetic Acid
DA December 1, 1974
USE CPDTA

Cyclophosphamide
DA December 1, 1974
USE Endoxan

→**CYCLOSPORINE [01]**
DA August 24, 1992
UF *Cyclosporine-A*
BT1 Immunosuppressive Drugs
BT2 Drugs
BT1 Peptides
BT2 Proteins
BT3 Organic Compounds
RT Immunosuppression

Cyclosporine-A
DA August 24, 1992
USE Cyclosporine

CYCLOTRON FREQUENCY [01]
DA December 1, 1974
UF *Frequency (Cyclotron)*
RT Cyclotron Harmonics
RT Cyclotron Instability
RT Cyclotron Radiation
RT Gyrofrequency

CYCLOTRON HARMONICS [01]
DA June 16, 1975
BT1 Harmonics
BT2 Oscillations
RT Bernstein Mode
RT Cyclotron Frequency

CYCLOTRON INSTABILITY [01]
DA December 1, 1974
BT1 Plasma Microinstabilities
BT2 Plasma Instability
BT3 Instability
RT Cyclotron Frequency

CYCLOTRON RADIATION [01]
DA December 1, 1974
BT1 Bremsstrahlung
BT2 Electromagnetic Radiation
BT3 Radiations
RT Cyclotron Frequency
RT Cyclotron Resonance
RT ICR Heating
RT Synchrotron Radiation

CYCLOTRON RESONANCE [01]
DA December 1, 1974
BT1 Resonance
NT1 Azbel-Kaner Resonance
NT1 Electron Cyclotron-Resonance
NT1 Ion Cyclotron-Resonance
RT Cyclotron Radiation
RT Ion Cyclotron Resonance Spectroscopy

CYCLOTRONS [01]
DA December 1, 1974
BT1 Cyclic Accelerators
BT2 Accelerators
NT1 Cracow U-120 Cyclotron
NT1 Isochronous Cyclotrons
NT2 AABO Cyclotron
NT2 ALICE Cyclotron
NT2 APACHE
NT2 Brookhaven Cyclotron
NT2 Chicago Cyclotron
NT2 Cracow AIC-144 Cyclotron
NT2 Cracow C-48 Cyclotron
NT2 CRNL Superconducting Cyclotron
NT2 CYCLONE Cyclotron
NT2 CYRIC Cyclotron
NT2 Debrecen Cyclotron
NT2 Eindhoven Cyclotron
NT2 Grenoble Cyclotron

NT2 HAIZY Cyclotron
NT2 HIRFL Cyclotron
NT2 INR Cyclotron
NT2 IPCR Cyclotron
NT2 IU Cyclotron
NT2 JINR Cyclotrons
NT3 JINR U-400 Cyclotron
NT2 JULIC Cyclotron
NT2 Karlsruhe Cyclotron
NT2 Kazakhstan Cyclotron
NT2 Kiev Cyclotron
NT2 KVI Cyclotron
NT2 Milan Superconducting Cyclotron
NT2 MSU Cyclotrons
NT2 Munich Compact Cyclotron
NT2 Munich SUSE Cyclotron
NT2 NAC Cyclotron
NT2 NIRS Cyclotron
NT2 NRL Cyclotron
NT2 ORNL Isochronous Cyclotron
NT2 Orsay Cyclotron
NT2 Oslo Cyclotron
NT2 Princeton Cyclotron
NT2 RCNP Cyclotron
NT2 Sara Cyclotron
NT2 SIN Cyclotron
NT2 Texas A and M Cyclotron
NT2 Texas Superconducting Cyclotron
NT2 Tokyo INS Cyclotron
NT2 TRIUMF Cyclotron
NT2 UCLRL Cyclotrons
NT3 LBL 88-Inch Cyclotron
NT2 Warsaw Cyclotron
NT1 Microtrons
NT2 Racetrack Microtrons
NT1 NBI Cyclotron
NT1 Separated Orbit Cyclotrons
NT2 ORNL Separated Orbit Cyclotron
NT1 Superconducting Cyclotrons
NT2 Milan Superconducting Cyclotron
NT2 Texas Superconducting Cyclotron
NT1 Variable Energy Cyclotrons
NT2 Calcutta Cyclotron
NT2 Chandigarh Cyclotron
NT2 CYRIC Cyclotron
RT Dees
RT Synchrocyclotrons

CYLINDERS [01]
(Objects of cylindrical shape. For containers see headings such as GAS CYLINDERS.)
DA December 1, 1974
RT Cylindrical Configuration
RT Pipes
RT Rods
RT Shape
RT Tubes

Cylindrical Aberrations
DA July 24, 1979
USE Geometrical Aberrations

CYLINDRICAL CONFIGURATION [01]
DA December 1, 1974
BT1 Configuration
RT Cylinders

Cylindrical Parabolic Collectors
DA October 25, 1978
USE Parabolic Trough Collectors

CYMENE [01]
DA December 1, 1974
UF *Isopropyltoluene-para*
BT1 Aromatics
BT2 Organic Compounds
BT1 Hydrocarbons
BT2 Organic Compounds
RT Thymol

CYPRUS [01]
DA December 1, 1974
BT1 Islands
BT1 Middle East
RT Mediterranean Sea

CYRIC CYCLOTRON
(Cyclotron and Radioisotope Center, Tohoku University, Sendai, Japan.)
DA March 24, 1983
UF *Tohoku Cyclotron*
BT1 Isochronous Cyclotrons
BT2 Cyclotrons
BT3 Cyclic Accelerators
BT4 Accelerators
BT1 Variable Energy Cyclotrons
BT2 Cyclotrons
BT3 Cyclic Accelerators
BT4 Accelerators

CYRTOLITE [01]
DA December 1, 1974
BT1 Silicate Minerals
BT2 Minerals
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
RT Zirconium Silicates

CYSTAMINE [01]
DA December 1, 1974
BT1 Amines
BT2 Organic Compounds
BT1 Organic Sulfur Compounds
BT2 Organic Compounds
BT1 Radioprotective Substances
BT2 Drugs
RT MEA

CYSTAPHOS [01]
DA January 27, 1975
BT1 Amines
BT2 Organic Compounds
BT1 Esters
BT2 Organic Compounds
BT1 Organic Phosphorus Compounds
BT2 Organic Compounds
BT1 Radioprotective Substances
BT2 Drugs
RT Thioic Acids

Cysteamine
DA December 1, 1974
USE MEA

CYSTEINE [01]
DA December 1, 1974
UF *Mercaptoalanine-Beta*
BT1 Amino Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT1 Thiols
BT2 Organic Sulfur Compounds
BT3 Organic Compounds
RT Cystine
RT Homocysteine

CYSTINE [01]
DA December 1, 1974
BT1 Amino Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT1 Disulfides
BT2 Organic Sulfur Compounds
BT3 Organic Compounds
RT Cysteine
RT Homocystine

CYSTS [01]
DA December 2, 1988
BT1 Pathological Changes

CYTIDINE [01]
DA December 1, 1974
BT1 Nucleosides
BT2 Nucleotides
BT3 Organic Compounds
BT2 Ribosides
BT1 Pyrimidines
BT2 Azines
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
RT Cytidylic Acid
RT Cytosine
RT Deoxycytidine

CYTIDYLIC ACID [01]
DA December 1, 1974
BT1 Nucleotides
BT2 Organic Compounds
RT Cytidine
RT Cytosine
RT Deoxycytidylic Acid

CYTOCHEMISTRY [01]
DA December 1, 1974
BT1 Biochemistry
BT2 Chemistry
RT Cytology
RT Feulgen Method

CYTOCHROME OXIDASE [01]
DA December 1, 1974
BT1 Haem Dehydrogenases
BT2 Oxidoreductases
BT3 Enzymes
BT4 Proteins
BT5 Organic Compounds
RT Cytochromes
RT Mixed-Function Oxidases

CYTOCHROMES [01]
(Electron transporting proteins that contain a heme prosthetic group.)
DA December 1, 1974
BT1 Pigments
BT1 Proteins
BT2 Organic Compounds
RT Chlorins
RT Coenzymes
RT Cytochrome Oxidase
RT Mixed-Function Oxidases
RT Photosynthetic Reaction Centers
RT Redox Process

CYTOLOGICAL TECHNIQUES [01]
DA December 16, 1975
NT1 Banding Techniques
RT Cell Constituents
RT Cell Flow Systems
RT Cytology
RT Electron Microscopy

CYTOLOGY [01]
DA December 1, 1974
BT1 Biology
RT Animal Cells
RT Cell Constituents
RT Cell Flow Systems
RT Cytochemistry
RT Cytological Techniques
RT Genetics
RT Plant Cells
RT Ultrastructural Changes

CYTOPLASM [01]
DA December 1, 1974
BT1 Cell Constituents
RT Liposomes
RT Mitochondria

CYTOSINE [01]
DA December 1, 1974
BT1 Amines
BT2 Organic Compounds
BT1 Organic Oxygen Compounds
BT2 Organic Compounds
BT1 Pyrimidines
BT2 Azines
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
RT Cytidine
RT Cytidylic Acid

Cytostatics
DA December 1, 1974
USE Antimitotic Drugs

Cytotoxins
DA April 20, 1981
USE Antimitotic Drugs

CYTRIPHOS
DA January 27, 1975
BT1 Amines
BT2 Organic Compounds
BT1 Nucleotides
BT2 Organic Compounds
BT1 Radioprotective Substances
BT2 Drugs
RT ATP
RT MEA

CZD PROCESS
DA May 31, 1989
BT1 Desulfurization
BT2 Chemical Reactions

→**CZECH REPUBLIC [01]**
DA April 8, 1993
BT1 Eastern Europe
BT2 Europe
RT Czechoslovakia

Czech WWR-C Reactor
DA December 1, 1974
USE WWR-S-Prague Reactor

CZECHOSLOVAK ORGANIZATIONS [01]
DA June 30, 1975
BT1 National Organizations
NT1 UJV
NT1 UVVVR

Czechoslovak TR-0 Reactor
DA December 1, 1974
USE TR-0 Reactor

CZECHOSLOVAKIA [01]
DA December 1, 1974
BT1 Developing Countries
BT1 Eastern Europe
BT2 Europe
RT Centrally Planned Economies
RT Czech Republic
RT Danube River
RT Slovak Republic

CZOCHRALSKI METHOD [01]
DA December 1, 1974
BT1 Crystal Growth Methods
RT Crystal Growth

D-1285 Resonances
(Prior to January 1988 this was a valid descriptor.)
DA December 1, 1974
USE F1-1285 Mesons

D-1865 Resonances
(Prior to Jan. 1985 this was a valid descriptor.)
DA June 3, 1977
USE D Mesons

D-2007 Resonances
(Prior to August 1988 this was a valid descriptor.)
DA April 6, 1978
USE D*-2010 Mesons

D*-2010 MESONS [01]
(Prior to February 1988 this concept was indexed by D-2007 RESONANCES.)
DA February 2, 1988
UF *D-2007 Resonances*
BT1 Charmed Mesons
BT2 Charm Particles
BT3 Elementary Particles
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles
BT1 Vector Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

D*-2420 MESONS [01]
DA February 2, 1988
BT1 Charmed Mesons
BT2 Charm Particles
BT3 Elementary Particles
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

D CODES [01]
DA December 1, 1974
BT1 Computer Codes

D-D REACTORS [01]
DA November 9, 1983
BT1 Thermonuclear Reactors

*D*Effect*
DA December 1, 1974
SEE Baryons

D MESONS [01]
(Prior to Jan. 1985 this information was indexed with the descriptor D-1865 RESONANCES.)
DA February 7, 1985
UF *D Plus Resonances*
UF *D-1865 Resonances*
BT1 Charmed Mesons
BT2 Charm Particles
BT3 Elementary Particles
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles
BT1 Pseudoscalar Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles
NT1 D Minus Mesons
NT1 D Neutral Mesons
NT2 Anti-D Neutral Mesons
NT1 D Plus Mesons

D MINUS MESONS [01]
DA February 19, 1988
BT1 D Mesons
BT2 Charmed Mesons
BT3 Charm Particles
BT4 Elementary Particles
BT3 Mesons
BT4 Bosons
BT4 Hadrons
BT5 Elementary Particles
BT2 Pseudoscalar Mesons
BT3 Mesons
BT4 Bosons
BT4 Hadrons
BT5 Elementary Particles

D NEUTRAL MESONS [01]
DA August 1, 1988
UF *D Zero Resonances*
BT1 D Mesons
BT2 Charmed Mesons
BT3 Charm Particles
BT4 Elementary Particles
BT3 Mesons
BT4 Bosons
BT4 Hadrons
BT5 Elementary Particles
BT2 Pseudoscalar Mesons
BT3 Mesons
BT4 Bosons
BT4 Hadrons
BT5 Elementary Particles
NT1 Anti-D Neutral Mesons

*D*Phenomenon*
DA December 1, 1974
SEE Baryons

D PLUS MESONS [01]
DA February 19, 1988
BT1 D Mesons
BT2 Charmed Mesons
BT3 Charm Particles
BT4 Elementary Particles
BT3 Mesons
BT4 Bosons
BT4 Hadrons
BT5 Elementary Particles
BT2 Pseudoscalar Mesons
BT3 Mesons
BT4 Bosons
BT4 Hadrons
BT5 Elementary Particles

D Plus Resonances*
DA December 20, 1978
USE Baryons

D Plus Resonances
DA December 20, 1978
USE D Mesons

D REGION [01]
DA December 1, 1974
BT1 Ionosphere
BT2 Earth Atmosphere
BT2 Planetary Ionospheres

*D*Resonances*
(Prior to April 1989 this was a valid descriptor.)
DA December 1, 1974
USE Baryons

D Resonances
(Prior to August 1988 this was a valid descriptor.)
DA July 23, 1977
USE Charmed Mesons

D*S-2110 MESONS [01]
(Prior to Februrary 1988 this concept was indexed by F*RESONANCES.)
DA February 2, 1988
UF *F*Resonances*
BT1 Charmed Mesons
BT2 Charm Particles
BT3 Elementary Particles
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles
BT1 Strange Particles
BT2 Elementary Particles

D S MESONS [01]
(Prior to February 1988 this concept was indexed by F MESONS.)
DA February 2, 1988
UF *F Mesons*
UF *F-2030 Resonances*
BT1 Charmed Mesons
BT2 Charm Particles
BT3 Elementary Particles
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

D STATES [01]
DA December 1, 1974
BT1 Energy Levels

D-T REACTORS [01]
DA December 1, 1974
BT1 Thermonuclear Reactors
NT1 Pulsed D-T Reactors
NT1 Steady-State D-T Reactors

D WAVES [01]
DA December 1, 1974
BT1 Partial Waves
RT Angular Momentum
RT Quantum Mechanics

D Zero Resonances*
DA December 20, 1978
USE Baryons

D Zero Resonances
DA December 20, 1978
USE D Neutral Mesons

DACRON [01]
DA December 1, 1974
UF *Terylene*
BT1 Polyesters
BT2 Esters
BT3 Organic Compounds
BT2 Organic Polymers
BT3 Organic Compounds
BT3 Polymers

RT Fibers
RT Glycols
RT Terephthalic Acid
RT Textiles

DACUS [01]
DA June 16, 1975
BT1 Fruit Flies
BT2 Flies
BT3 Diptera
BT4 Insects
BT5 Arthropods
BT6 Invertebrates
BT7 Animals
NT1 Dacus Oleae

DACUS OLEAE [01]
DA December 1, 1974
BT1 Dacus
BT2 Fruit Flies
BT3 Flies
BT4 Diptera
BT5 Insects
BT6 Arthropods
BT7 Invertebrates
BT8 Animals
RT Olives

DAHOMEY
DA December 10, 1979
BT1 Benin
BT2 Africa

DAILY VARIATIONS [01]
(Includes day-to-day, diurnal, and semidiurnal variations.)
DA December 1, 1974
UF *Circadian Variations*
UF *DIEL Variations*
UF *Diurnal Variation*
UF *Semidiurnal Variation*
BT1 Variations
RT Nocturnal Variations
RT Photoperiod

DAIRY INDUSTRY [01]
DA January 15, 1980
BT1 Agriculture
BT1 Food Industry
BT2 Industry

DALHART BASIN [01]
DA February 10, 1984
BT1 Permian Basin
RT Radioactive Waste Disposal
RT Texas

Dalhousie University Slowpoke Reactor
DA January 24, 1980
USE Slowpoke-Dalhousie Reactor

DALITZ PLOT [01]
DA December 1, 1974
BT1 Scatterplots
BT2 Diagrams
RT Linear Momentum
RT Mass
RT Phase Space
RT Resonance Particles
DEF Phase-space plot of momentum or mass distribution of final-state.

DAM
(Diantipyrylmethane.)
DA May 10, 1984
USE Pyrazolines

DAMAGE
(Not to be used in reference to living organisms. Use more specific descriptor, if possible.)
DA January 20, 1975
RT Failures
RT Fatigue
RT Hazards
RT Impact Shock
RT Nuclear Damage
RT Radiation Effects
RT Safety

Damage Factor
DA February 9, 1983
USE Formation Damage

Damage Ratio
DA January 21, 1983
USE Formation Damage

Damage Zone
DA January 21, 1983
USE Formation Damage

DAMAGING NEUTRON FLUENCE [01]
DA March 8, 1978
BT1 Neutron Fluence
NT1 Equivalent Fission Fluence
RT Gas Production Rates
RT Interstitial Helium Generation
RT Interstitial Hydrogen Generation
RT Irradiation
RT Neutron Flux
RT Neutronic Damage Functions
RT Physical Radiation Effects

DAMPA [01]
DA December 1, 1974
UF *Diisoamyl Methylphosphonate*
UF *Diisopentyl Methylphosphonate*
BT1 Phosphonic Acid Esters
BT2 Esters
BT3 Organic Compounds
BT2 Organic Phosphorus Compounds
BT3 Organic Compounds

Dampers (Gas Flow)
DA January 30, 1979
USE Draft Control Systems

→**DAMPIERRE-1 REACTOR [01]**
(Ouzouer-sur-Loire, France.)
DA April 9, 1991
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

DAMPING [01]
DA December 1, 1974
NT1 Landau Damping
RT Attenuation
RT Energy Losses
RT Hydrodynamic Mass Effect
RT Hysteresis
RT Internal Friction
RT Mechanical Vibrations
RT Restraints
RT Shock Absorbers

DAMS [01]
DA December 1, 1974
UF *Breakwaters*
RT Embankments
RT Fish Passage Facilities
RT Flood Control
RT Hydroelectric Power Plants
RT Spillway
RT Water Reservoirs

DANCOFF CORRECTION [01]
DA December 1, 1974
RT Resonance Escape Probability

DANGER COEFFICIENT [01]
DA December 1, 1974
BT1 Reactivity Coefficients

DANISH ATOMIC ENERGY COMMISSION [01]
DA September 11, 1975
BT1 Danish Organizations
BT2 National Organizations

DANISH ORGANIZATIONS [01]
DA August 19, 1975
BT1 National Organizations
NT1 Danish Atomic Energy Commission
NT1 Risoe National Laboratory
NT1 Risoe Research Establishment

Danish Reactor-1
DA December 1, 1974
USE DR-1 Reactor

Danish Reactor-2
DA December 1, 1974
USE DR-2 Reactor

Danish Reactor-3
DA December 1, 1974
USE DR-3 Reactor

DANNY BOY EVENT [01]
DA December 1, 1974
BT1 Cratering Explosions
BT2 Explosions
BT1 Nougat Operation
BT2 Nuclear Explosions
BT3 Explosions
BT2 Underground Explosions
BT3 Explosions
BT1 Plowshare Project

DANTE TOKAMAK [01]
DA October 24, 1984
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

DANUBE RIVER [01]
DA December 1, 1974
BT1 Rivers
BT2 Streams
BT3 Surface Waters
RT Austria
RT Bulgaria
RT Czechoslovakia
RT Hungary
RT Romania
RT USSR
RT Yugoslavia

DAPEX PROCESS [01]
DA December 1, 1974
BT1 Reprocessing
BT2 Separation Processes
RT Solvent Extraction

DAPHNIA [01]
DA December 1, 1974
BT1 Branchiopods
BT2 Crustaceans
BT3 Aquatic Organisms
BT3 Arthropods
BT4 Invertebrates
BT5 Animals
RT Plankton
RT Zooplankton

DARCY LAW [01]
DA December 1, 1974
RT Fluid Flow

Daresbury Synchrotron
DA December 1, 1974
USE Nina

DAREX PROCESS [01]
DA December 1, 1974
BT1 Reprocessing
BT2 Separation Processes
RT Solvent Extraction

Dark Matter
DA March 12, 1985
USE Nonluminous Matter

Dark Repair
DA December 1, 1974
USE Biological Repair

DARLINGTON-1 REACTOR [01]
(Darlington, Ontario, Canada)
DA December 16, 1976
BT1 Candu Type Reactors

BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT2 Pressure Tube Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
RT Darlington Site

DARLINGTON-2 REACTOR [01]
(Darlington, Ontario, Canada)
DA December 16, 1976
BT1 Candu Type Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT2 Pressure Tube Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
RT Darlington Site

DARLINGTON-3 REACTOR [01]
(Darlington, Ontario, Canada)
DA December 16, 1976
BT1 Candu Type Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT2 Pressure Tube Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
RT Darlington Site

DARLINGTON-4 REACTOR [01]
(Darlington, Ontario, Canada)
DA May 7, 1977
BT1 Candu Type Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT2 Pressure Tube Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 Power Reactors
BT2 Reactors
RT Darlington Site

DARLINGTON SITE [01]
(Darlington, Ontario, Canada.)
DA May 6, 1993
BT1 Reactor Sites
RT Darlington-1 Reactor
RT Darlington-2 Reactor
RT Darlington-3 Reactor
RT Darlington-4 Reactor

Darmstadt Storage Ring
DA March 9, 1992
USE ESR Storage Ring

Darmstadt Synchrotron
DA February 25, 1991
USE SIS Synchrotron

DARRIEUS ROTORS
DA February 19, 1976
BT1 Rotors
RT Vertical Axis Turbines

DATA [01]
DA December 1, 1974
UF *Measured Values*
SF *Recorded Information*
SF *Tables*
SF *Values*
BT1 Information
NT1 Data Compilation
NT1 Financial Data
NT1 Numerical Data
NT2 Compiled Data
NT2 Evaluated Data
NT2 Experimental Data
NT2 Statistical Data
NT2 Theoretical Data
RT Benchmarks
RT CINDA
RT Comparative Evaluations
RT Data Base Management
RT Data Covariances
RT Data Processing
RT Information Needs

DATA ACQUISITION [01]
DA December 1, 1974
UF *Acquisition (Data)*
RT Compiled Data
RT Data Compilation
RT Data Processing
RT GIDEP
RT Recording Systems
RT Reporting Requirements

DATA ACQUISITION SYSTEMS [01]
DA December 1, 1974
RT CAMAC System
RT Electronic Equipment
RT Fastbus System
RT Identification Systems
RT Nuclear Instrument Modules
RT Readout Systems
RT Recording Systems
DEF Systems for converting data to machine readable form and gathering it into a computer store.

DATA ANALYSIS [01]
DA December 16, 1975
RT Computer Calculations
RT Data Processing
RT Ground Truth
RT Information Validation
RT Prony Method

DATA BASE MANAGEMENT [01]
DA July 5, 1978
BT1 Management
RT Data
RT Data Compilation
RT Data Processing
RT Data Tagging
RT Information
RT Information Retrieval
RT Information Systems
RT Nuclear Data Collections

DATA COMPILATION [01]
(Collection of large volume of data. For data flagging use COMPILED DATA.)
DA December 1, 1974
BT1 Data
BT2 Information
RT Compiled Data
RT Data Acquisition
RT Data Base Management
RT Documentation
RT Information Centers
RT Nuclear Data Collections

DATA COVARIANCES [01]
(Data uncertainties)
DA February 27, 1979
UF *Uncertainty*
RT Accuracy
RT Data
RT Errors
RT Statistics

Data Display Devices
DA December 1, 1974
USE Display Devices

Data Display Systems
DA December 1, 1974
USE Display Devices

DATA-FLOW PROCESSING [01]
DA February 10, 1984
BT1 Programming
RT Algorithms
RT Computers

DATA FORMS
DA June 7, 1982
BT1 Document Types

DATA PROCESSING [01]
(Manipulation of unit facts.)
DA December 1, 1974
UF *Electronic Data Processing*
UF *Handling (Data)*
UF *Processing (Data)*
BT1 Processing
NT1 Distributed Data Processing
NT1 Spectra Unfolding
NT1 Task Scheduling
RT Array Processors
RT Calculators
RT Chernoff Faces
RT Computers
RT Data
RT Data Acquisition
RT Data Analysis
RT Data Base Management
RT Data Transmission
RT Data Transmission Systems
RT Digital Filters
RT Digital Frequency Analysis
RT Digitizers
RT Expert Systems
RT Frequency Analysis
RT Image Processing
RT Image Scanners
RT Information Theory
RT Multi-Parameter Analysis
RT Optical Scanners
RT Pattern Recognition
RT Personal Computers
RT Prony Method
RT Recording Systems

Data Processors
DA May 10, 1984
USE Digital Computers

Data Storage Devices
DA December 1, 1974
USE Memory Devices

DATA TAGGING
DA May 23, 1980
UF *Numerical Data Tagging*
RT Data Base Management
RT Information Retrieval
RT Information Systems

DATA TRANSMISSION [01]
DA December 1, 1974
UF *Transmission (Data)*
BT1 Communications
NT1 Telemetry
RT CAMAC System
RT Computer Networks
RT Data Processing
RT Data Transmission Systems
RT Equipment Interfaces
RT Multiplexers
RT Nuclear Instrument Modules
RT Signals

DATA TRANSMISSION SYSTEMS [01]
DA February 23, 1982
RT Communications
RT Data Processing
RT Data Transmission

Data Validation
DA December 17, 1979
USE Information Validation

DATES [01]
DA December 1, 1974
BT1 Fruits
BT2 Food

Dating
DA September 11, 1975
USE Age Estimation

Datum Pressure
DA September 11, 1978
USE Reservoir Pressure

DAUGHTER PRODUCTS [01]
DA December 1, 1974
UF *Decay Products*
BT1 Isotopes
RT Natural Radioactivity
RT Radioisotope Generators

DAVIDITE [01]
DA December 1, 1974
BT1 Oxide Minerals
BT2 Minerals
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials

DAVIS BESSE-1 REACTOR [01]
(Ottawa, Ohio, USA)
DA January 20, 1975
UF *Davis Besse Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

DAVIS BESSE-2 REACTOR [01]
(Ottawa, Ohio, USA)
DA January 20, 1975
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

DAVIS BESSE-3 REACTOR [01]
(Ottawa, Ohio, USA)
DA January 20, 1975
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

Davis Besse Reactor
DA February 19, 1976
USE Davis Besse-1 Reactor

DAVY S-H PROCESS
DA December 26, 1984
BT1 Desulfurization
BT2 Chemical Reactions
RT Waste Processing
DEF A lime-based, formic-acid-buffered process using in-loop forced oxidation for flue gas desulfurization

DAVYDOV-FILIPOV MODEL [01]
DA December 1, 1974
UF *Davydov Model*
BT1 Nuclear Models
BT2 Mathematical Models
RT Collective Model

Davydov Model
DA December 1, 1974
USE Davydov-Filipov Model

DAWSONITE
DA January 28, 1975
BT1 Aluminium Compounds
BT1 Carbonate Minerals
BT2 Minerals
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds
BT1 Sodium Carbonates
BT2 Carbonates
BT3 Carbon Compounds
BT3 Oxygen Compounds
BT2 Sodium Compounds
BT3 Alkali Metal Compounds
DEF A mineral, $NaAl(CO_3)(OH)_2$, consisting of a basic NaAl carbonate occurring in white beaded crystals

→**DAYA BAY REACTOR [01]**
(Shenzhen, Guangdong, China)
DA November 22, 1991
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

Dayglow
DA December 1, 1974
USE Airglow

DAYLIGHTING
DA January 9, 1981
UF *Natural Lighting*
RT Illuminance
RT Lighting Systems
RT Skylights
RT Solar Radiation
RT Windows

DAYS LIVING RADIOISOTOPES [01]
DA December 1, 1974
BT1 Radioisotopes
BT2 Isotopes
NT1 Actinium 225
NT1 Actinium 226
NT1 Americium 240
NT1 Antimony 119
NT1 Antimony 120
NT1 Antimony 122
NT1 Antimony 124
NT1 Antimony 126
NT1 Antimony 127
NT1 Argon 37
NT1 Arsenic 71
NT1 Arsenic 72
NT1 Arsenic 73
NT1 Arsenic 74
NT1 Arsenic 76
NT1 Arsenic 77
NT1 Barium 128
NT1 Barium 131
NT1 Barium 133
NT1 Barium 135
NT1 Barium 140
NT1 Berkelium 245
NT1 Berkelium 246
NT1 Berkelium 249
NT1 Beryllium 7
NT1 Bismuth 205
NT1 Bismuth 206
NT1 Bismuth 210
NT1 Bromine 77
NT1 Bromine 82
NT1 Cadmium 115
NT1 Calcium 45
NT1 Calcium 47
NT1 Californium 246
NT1 Californium 248
NT1 Californium 253
NT1 Californium 254
NT1 Cerium 134
NT1 Cerium 137
NT1 Cerium 139
NT1 Cerium 141
NT1 Cerium 143
NT1 Cerium 144
NT1 Cesium 129
NT1 Cesium 131
NT1 Cesium 132
NT1 Cesium 136
NT1 Chromium 49
NT1 Chromium 51
NT1 Cobalt 56
NT1 Cobalt 57
NT1 Cobalt 58
NT1 Copper 67
NT1 Curium 240
NT1 Curium 241
NT1 Curium 242
NT1 Dysprosium 159
NT1 Dysprosium 166
NT1 Einsteinium 251
NT1 Einsteinium 252
NT1 Einsteinium 253
NT1 Einsteinium 254
NT1 Einsteinium 255
NT1 Erbium 160
NT1 Erbium 169
NT1 Erbium 172
NT1 Europium 145
NT1 Europium 146
NT1 Europium 147
NT1 Europium 148
NT1 Europium 149
NT1 Europium 156
NT1 Fermium 252
NT1 Fermium 253
NT1 Fermium 257
NT1 Gadolinium 146
NT1 Gadolinium 147
NT1 Gadolinium 149
NT1 Gadolinium 151
NT1 Gadolinium 153
NT1 Gallium 67
NT1 Germanium 68
NT1 Germanium 69
NT1 Germanium 71
NT1 Gold 194
NT1 Gold 195
NT1 Gold 196
NT1 Gold 198
NT1 Gold 199
NT1 Hafnium 175
NT1 Hafnium 179
NT1 Hafnium 181
NT1 Half-Life
NT1 Holmium 166
NT1 Indium 111
NT1 Indium 114
NT1 Iodine 124
NT1 Iodine 125
NT1 Iodine 126
NT1 Iodine 131
NT1 Iridium 188
NT1 Iridium 189
NT1 Iridium 190
NT1 Iridium 192
NT1 Iridium 193
NT1 Iridium 194
NT1 Iron 59
NT1 Krypton 79
NT1 Lanthanum 140
NT1 Lead 203
NT1 Lutetium 169
NT1 Lutetium 170
NT1 Lutetium 171
NT1 Lutetium 172
NT1 Lutetium 174
NT1 Lutetium 177
NT1 Manganese 52
NT1 Manganese 54
NT1 Mendelevium 258
NT1 Mercury 194
NT1 Mercury 195
NT1 Mercury 197
NT1 Mercury 203
NT1 Molybdenum 99
NT1 Neodymium 140
NT1 Neodymium 147
NT1 Neptunium 234
NT1 Neptunium 238
NT1 Neptunium 239
NT1 Nickel 56
NT1 Nickel 57
NT1 Nickel 66
NT1 Niobium 91
NT1 Niobium 92
NT1 Niobium 95
NT1 Osmium 185
NT1 Osmium 188
NT1 Osmium 191
NT1 Osmium 193
NT1 Palladium 100
NT1 Palladium 103
NT1 Phosphorus 32
NT1 Phosphorus 33
NT1 Platinum 188
NT1 Platinum 191
NT1 Platinum 193
NT1 Platinum 195
NT1 Plutonium 237

NT1 Plutonium 246
NT1 Plutonium 247
NT1 Polonium 206
NT1 Polonium 210
NT1 Praseodymium 143
NT1 Promethium 143
NT1 Promethium 148
NT1 Promethium 149
NT1 Promethium 151
NT1 Protactinium 229
NT1 Protactinium 230
NT1 Protactinium 232
NT1 Protactinium 233
NT1 Radium 223
NT1 Radium 224
NT1 Radium 225
NT1 Radon 222
NT1 Rhenium 182
NT1 Rhenium 183
NT1 Rhenium 184
NT1 Rhenium 186
NT1 Rhenium 189
NT1 Rhodium 99
NT1 Rhodium 101
NT1 Rhodium 102
NT1 Rhodium 105
NT1 Rubidium 83
NT1 Rubidium 84
NT1 Rubidium 86
NT1 Ruthenium 97
NT1 Ruthenium 103
NT1 Samarium 141
NT1 Samarium 145
NT1 Samarium 153
NT1 Scandium 44
NT1 Scandium 46
NT1 Scandium 47
NT1 Scandium 48
NT1 Selenium 72
NT1 Selenium 75
NT1 Silver 105
NT1 Silver 106
NT1 Silver 110
NT1 Silver 111
NT1 Strontium 82
NT1 Strontium 83
NT1 Strontium 85
NT1 Strontium 89
NT1 Sulfur 35
NT1 Tantalum 177
NT1 Tantalum 182
NT1 Tantalum 183
NT1 Technetium 95
NT1 Technetium 96
NT1 Technetium 97
NT1 Tellurium 118
NT1 Tellurium 119
NT1 Tellurium 121
NT1 Tellurium 123
NT1 Tellurium 125
NT1 Tellurium 127
NT1 Tellurium 129
NT1 Tellurium 131
NT1 Tellurium 132
NT1 Terbium 153
NT1 Terbium 155
NT1 Terbium 156
NT1 Terbium 160
NT1 Terbium 161
NT1 Thallium 200
NT1 Thallium 201
NT1 Thallium 202
NT1 Thorium 227
NT1 Thorium 231
NT1 Thorium 234
NT1 Thulium 165
NT1 Thulium 167
NT1 Thulium 168
NT1 Thulium 170
NT1 Thulium 172
NT1 Tin 113
NT1 Tin 117
NT1 Tin 119
NT1 Tin 121
NT1 Tin 123
NT1 Tin 125
NT1 Tungsten 178
NT1 Tungsten 181
NT1 Tungsten 185
NT1 Tungsten 187
NT1 Tungsten 188
NT1 Uranium 230
NT1 Uranium 231
NT1 Uranium 237
NT1 Vanadium 48
NT1 Vanadium 49
NT1 Xenon 127
NT1 Xenon 129
NT1 Xenon 131
NT1 Xenon 133
NT1 Ytterbium 166
NT1 Ytterbium 169
NT1 Ytterbium 175
NT1 Yttrium 87
NT1 Yttrium 88
NT1 Yttrium 90
NT1 Yttrium 91
NT1 Zinc 65
NT1 Zinc 72
NT1 Zirconium 88
NT1 Zirconium 89
NT1 Zirconium 95
RT Lifetime

DBP [01]
DA December 1, 1974
UF *Dibutyl Phosphate*
BT1 Butyl Phosphates
BT2 Phosphoric Acid Esters
BT3 Esters
BT4 Organic Compounds
BT3 Organic Phosphorus Compounds
BT4 Organic Compounds

DC AMPLIFIERS [01]
DA December 1, 1974
BT1 Amplifiers
BT2 Electronic Equipment
BT3 Equipment

DC RESINS [01]
DA December 1, 1974
BT1 Silicones
BT2 Polymers
BT2 Siloxanes
BT3 Organic Silicon Compounds
BT4 Organic Compounds

DC SYSTEMS [01]
DA May 17, 1976
BT1 Power Systems
BT2 Energy Systems
NT1 EHV DC Systems
NT1 HVDC Systems
NT1 UHV DC Systems
DEF Direct-current electric power systems

DC to AC Inverters
DA August 19, 1975
USE Inverters

DC TO DC CONVERTERS [01]
DA August 19, 1975
UF *Converters (Electric)*
BT1 Electrical Equipment
BT2 Equipment
RT Inverters
RT Power Conditioning Circuits
RT Power Supplies
RT Transformers

DCA REACTOR [01]
DA December 1, 1974
BT1 Heavy Water Cooled Reactors
BT2 Reactors
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

DCI ORSAY STORAGE RING [01]
DA December 1, 1974
BT1 Storage Rings

DCTA [01]
DA December 1, 1974
UF *Diaminocyclohexanotetraacetic Acid*
BT1 Amino Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT1 Chelating Agents

DCX DEVICES [01]
DA December 1, 1974
BT1 Magnetic Mirrors
BT2 Open Plasma Devices
BT3 Thermonuclear Devices

DDG
DA August 4, 1981
USE Distillers Dried Grains

DDT [01]
DA December 1, 1974
UF *Dichlorodiphenyltrichloroethane*
BT1 Aromatics
BT2 Organic Compounds
BT1 Insecticides
BT2 Pesticides
BT1 Organic Chlorine Compounds
BT2 Organic Halogen Compounds
BT3 Organic Compounds
RT Ethane

DE BROGLIE WAVELENGTH [01]
DA December 1, 1974
RT Quantum Mechanics

DE-EXCITATION [01]
DA December 1, 1974
BT1 Energy-Level Transitions
NT1 Radiationless Decay
RT Excitation
RT Relaxation

DE HAAS-VAN ALPHEN EFFECT [01]
DA December 1, 1974
RT Diamagnetism

DE SITTER GROUP [01]
DA December 1, 1974
BT1 Lie Groups
BT2 Symmetry Groups

DEACTIVATION
DA April 15, 1975
RT Chemical Activation

DEAD SEA [01]
DA January 28, 1977
BT1 Lakes
BT2 Surface Waters

DEAD TIME [01]
DA December 1, 1974
BT1 Timing Properties
RT Sensitivity
RT Time Measurement
RT Timing Circuits

DEAERATORS [01]
DA October 20, 1982
RT Aeration
RT Boilers
RT Feedwater
RT Water Treatment
DEF A device that removes oxygen and carbon dioxide from boiler feedwater.

Dealers
DA October 3, 1979
USE Marketers

DEALKYLATION [01]
DA December 1, 1974
BT1 Chemical Reactions

DEAMINATION [01]
DA December 1, 1974
BT1 Chemical Reactions
RT Amination

DEASHING [01]
DA June 12, 1975
RT Ashes
RT Cleaning
RT Purification
RT Removal

DEASPHALTING
DA May 25, 1979
BT1 Extraction
BT2 Separation Processes
DEF The process of removing asphalt from petroleum fractions.

DEATH [01]
DA December 1, 1974
RT Cell Killing
RT Lethal Irradiation
RT Life Span
RT Mortality
RT Supralethal Irradiation

Debits
DA December 10, 1979
SEE Financial Data

DEBRECEN CYCLOTRON [01]
(At Atomki, Debrecen, Hungary.)
DA July 18, 1985
UF *Atomki Cyclotron*
BT1 Isochronous Cyclotrons
BT2 Cyclotrons
BT3 Cyclic Accelerators
BT4 Accelerators

Debris (Nuclear)
DA December 1, 1974
USE Fission Products

DEBT COLLECTION
DA May 21, 1983
RT Accounting
RT Administrative Procedures
RT Audits
RT Interest Rate
RT Procurement

Debye Cutoff
DA December 1, 1974
USE Debye Length

DEBYE LENGTH [01]
DA December 1, 1974
UF *Debye Cutoff*
UF *Debye Shield*
UF *Debye Shielding Length*
BT1 Length
BT2 Dimensions
RT Plasma Density

DEBYE-SCHERRER METHOD [01]
DA December 1, 1974
BT1 Diffraction Methods
RT Powders
RT Structural Chemical Analysis
RT X-Ray Diffraction

Debye Shield
DA December 1, 1974
USE Debye Length

Debye Shielding Length
DA December 1, 1974
USE Debye Length

DEBYE TEMPERATURE [01]
DA December 1, 1974
UF *Temperature (Debye)*
RT Specific Heat

DEBYE-WALLER FACTOR [01]
DA December 1, 1974
RT Diffraction
RT Lattice Vibrations

DEC COMPUTERS [01]
(Computers manufactured by Digital Equipment Corporation.)
DA March 29, 1980
UF *VAX Computers*
BT1 Computers
NT1 PDP Computers

DECA DEVICES [01]
DA December 1, 1974
BT1 Magnetic Mirrors
BT2 Open Plasma Devices
BT3 Thermonuclear Devices

Decahydronaphthalene
DA December 1, 1974
USE Decalin

DECALIN [01]
DA December 1, 1974
UF *Decahydronaphthalene*
BT1 Cycloalkanes
BT2 Alkanes
BT3 Hydrocarbons
BT4 Organic Compounds
RT Naphthalene

Decalso
DA December 1, 1974
USE Ion Exchange Materials

DECANE [01]
DA January 20, 1975
BT1 Alkanes
BT2 Hydrocarbons
BT3 Organic Compounds

DECANOIC ACID [01]
DA December 1, 1974
UF *Capric Acid*
BT1 Monocarboxylic Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds

DECANOLS [01]
DA December 1, 1974
UF *Decyl Alcohols*
BT1 Alcohols
BT2 Hydroxy Compounds
BT3 Organic Compounds

DECANTATION [01]
DA December 1, 1974
BT1 Separation Processes
RT Sedimentation

DECAPODS [01]
DA June 15, 1981
BT1 Crustaceans
BT2 Aquatic Organisms
BT2 Arthropods
BT3 Invertebrates
BT4 Animals
NT1 Crabs
NT1 Lobsters
NT1 Prawns
NT1 Shrimp

DECARBONIZATION [01]
DA December 1, 1974
RT Carbonization
RT Cleaning
RT Decontamination

Decarboxylase
(Prior to October 1980, this was a valid term and older material is so indexed.)
DA December 1, 1974
USE Decarboxylases

DECARBOXYLASES [01]
DA November 12, 1980
UF *Decarboxylase*
BT1 Carboxy-Lyases
BT2 Carbon-Carbon Lyases
BT3 Lyases
BT4 Enzymes
BT5 Proteins
BT6 Organic Compounds

DECARBOXYLATION [01]
DA December 1, 1974
BT1 Chemical Reactions
RT Carboxylation
RT Lyases

DECARBURIZATION [01]
DA June 12, 1975
BT1 Chemical Reactions
RT Austenite
RT Carbides
RT Carbon
RT Carburization
RT Heat Treatments
RT Steels

DECAY [01]
(For nuclear or particle decay only.)
DA December 1, 1974
UF *Degradation (Nuclear)*
UF *Disintegration (Nuclear)*
UF *Fragments (Decay)*
NT1 Nuclear Decay
NT2 Alpha Decay
NT2 Beta Decay
NT3 Beta-Minus Decay
NT4 Double Beta Decay
NT3 Beta-Plus Decay
NT4 Sulfur 28
NT3 Electron Capture Decay
NT4 K Capture
NT4 L Capture
NT4 M Capture
NT2 Gamma Decay
NT2 Heavy Ion Emission Decay
NT3 Carbon 12 Emission Decay
NT3 Carbon 14 Emission Decay
NT3 Carbon 16 Emission Decay
NT3 Magnesium 28 Emission Decay
NT3 Magnesium 30 Emission Decay
NT3 Neon 24 Emission Decay
NT3 Oxygen 16 Emission Decay
NT3 Silicon 32 Emission Decay
NT3 Silicon 34 Emission Decay
NT2 Internal Conversion
NT3 K Conversion
NT3 L Conversion
NT3 M Conversion
NT2 Proton-Emission Decay
NT2 Spontaneous Fission
NT1 Particle Decay
NT2 Electromagnetic Particle Decay
NT2 Hadronic Particle Decay
NT2 Radiative Decay
NT2 Weak Particle Decay
NT3 Leptonic Decay
NT3 Semileptonic Decay
NT3 Weak Hadronic Decay
RT Angular Correlation
RT Branching Ratio
RT Delayed Alpha Particles
RT Delayed Gamma Radiation
RT Delayed Neutrons
RT Delayed Protons
RT Energy-Level Transitions
RT Forbidden Transitions
RT Ft Value
RT Half-Life
RT Interactions
RT Internal Pair Production
RT Isomeric Transitions
RT Lifetime
RT Mixing Ratio
RT Particle Kinematics
RT Radioisotope Generators
RT Selection Rules

Decay (Biological)
DA December 1, 1974
USE Decomposition

DECAY AMPLITUDES [01]
DA December 1, 1974
BT1 Transition Amplitudes
BT2 Amplitudes

Decay Heat Removal
DA March 11, 1976
USE After-Heat Removal

DECAY INSTABILITY [01]
DA December 1, 1974
BT1 Plasma Instability
BT2 Instability
RT Plasma Macroinstabilities
RT Plasma Microinstabilities
RT Plasma Waves

Decay Products
DA December 1, 1974
USE Daughter Products

Deceleration
DA December 1, 1974
USE Acceleration

Dechanneling
DA December 1, 1974
USE Channeling

DECHLORINATION [01]
DA December 1, 1974
BT1 Dehalogenation
BT2 Chemical Reactions
RT Chlorination

DECIDUOUS TREES [01]
DA December 1, 1974
BT1 Trees
BT2 Plants
DEF Trees that show seasonal shedding of their leaves.

Decimeter Wave Radiation (1-3 Dm)
DA December 1, 1974
USE GHz Range 01-100
AND Radiowave Radiation

Decimeter Wave Radiation (3-10Dm)
DA December 1, 1974
USE MHz Range 100-1000
AND Radiowave Radiation

DECISION MAKING
DA August 4, 1976
RT Advisory Committees
RT Decision Tree Analysis
RT Game Theory
RT Intervenors
RT Mission Analysis
RT Operations Research
RT Planning
RT Regional Cooperation
RT Time-Series Analysis

DECISION TREE ANALYSIS [01]
DA December 1, 1974
RT Control
RT Decision Making
RT Operations Research
RT Planning

DECISIONS AND ORDERS
DA December 10, 1979
BT1 Administrative Procedures
NT1 Consent Orders
NT1 Prohibition Orders
NT1 Proposed Remedial Orders

DECK EFFECT [01]
DA December 1, 1974
RT Kinetics
RT Resonance Particles
DEF Kinematic peak in the mass spectrum of resonance particles.

DECLADDING [01]
DA December 1, 1974
BT1 Head End Processes
NT1 Chemical Decladding
NT1 Mechanical Decladding
RT Cladding
RT Fuel Cans
RT Fuel Elements
RT Reprocessing

DECLASSIFICATION
DA March 24, 1983
UF *Information Declassification*
RT Classified Information
RT Public Information

DECOMMISSIONING [01]
DA February 6, 1975
NT1 Reactor Decommissioning
RT Cancellation
RT Remedial Action
RT Shutdown

DECOMPOSITION [01]
DA December 1, 1974
UF *Decay (Biological)*
UF *Degradation (Chemical)*
UF *Disintegration (Biological)*
UF *Disintegration (Chemical)*
BT1 Chemical Reactions
NT1 Autolysis
NT2 Autoradiolysis
NT1 Biodegradation
NT1 Carbonization
NT2 Coking
NT2 Electrocarbonization
NT1 Depolymerization
NT1 Destructive Distillation
NT1 Photolysis
NT2 Biophotolysis
NT1 Proteolysis
NT2 Fibrinolysis
NT1 Pyrolysis
NT2 Calcination
NT2 Cracking
NT3 Catalytic Cracking
NT3 Hydrocracking
NT3 Thermal Cracking
NT2 Flash Hydropyrolysis Process
NT1 Radiolysis
NT2 Autoradiolysis
NT1 Retorting
NT2 In-Situ Retorting
NT1 Solvolysis
NT2 Acetolysis
NT2 Ammonolysis
NT2 Hydrolysis
NT3 Acid Hydrolysis
NT3 Alkaline Hydrolysis
NT3 Autohydrolysis
NT3 Enzymatic Hydrolysis
NT3 Saccharification
NT3 Saponification
RT Aerobic Conditions
RT Anaerobic Conditions
RT Catabolism
RT Composting
RT Dissociation
RT Nucleic Acid Denaturation
RT Strand Breaks
RT Thermal Gravimetric Analysis
RT Weathering

DECONTAMINATION [01]
DA December 1, 1974
UF *Radiation Decontamination*
UF+ *Decontamination Factor*
BT1 Cleaning
RT Bioadsorbents
RT Chelating Agents
RT Clays
RT Decarbonization
RT Detergents
RT Detoxification
RT Lavage
RT Life Support Systems
RT Protective Coatings
RT Purification
RT Radiation Protection
RT Remedial Action
RT Safety Showers
RT Surface Cleaning
RT Surface Contamination
RT Washout

Decontamination Factor
DA December 1, 1974
USE Decontamination
AND Efficiency

DECOUPLING [01]
DA December 1, 1974
RT Coupling
RT Ft Value

Decyl Alcohols
DA December 1, 1974
USE Decanols

Decylamine-tris
DA December 1, 1974
USE TDA

DEDTC [01]
DA December 1, 1974
UF *Diethyldithiocarbamates*
BT1 Carbamates
BT2 Carbonic Acid Derivatives
BT3 Organic Compounds
BT2 Carboxylic Acid Salts
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
BT1 Chelating Agents
BT1 Organic Sulfur Compounds
BT2 Organic Compounds

DEEP INELASTIC HEAVY ION REACTIONS [01]
DA October 19, 1978
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions
RT Compound-Nucleus Reactions
RT Heavy Ion Fusion Reactions
RT Incomplete Fusion Reactions
RT Nuclear Fragmentation
RT Precompound-Nucleus Emission
RT Quasi-Fission

DEEP INELASTIC SCATTERING [01]
DA October 28, 1975
BT1 Inelastic Scattering
BT2 Scattering
BT1 Lepton-Nucleon Interactions
BT2 Lepton-Baryon Interactions
BT3 Lepton-Hadron Interactions
BT4 Particle Interactions
BT5 Interactions
RT Boson-Exchange Models
RT EMC Effect
RT Parton Model
RT Resonance Scattering
RT Virtual Particles
DEF Lepton-nucleon inelastic scattering involving an exchange of a virtual photon.

DEEP LEVEL TRANSIENT SPECTROSCOPY
DA April 28, 1983
UF *DLTS*
BT1 Spectroscopy
RT Capacitance
RT Transients
RT Traps
DEF Means of obtaining Fourier components of transient response of deep energy levels in semiconductors.

DEEP RIVER [01]
DA December 1, 1974
BT1 Ontario
BT2 Canada
BT3 Developed Countries
BT3 North America

DEEP WATER OIL TERMINALS [01]
DA January 20, 1975
BT1 Terminal Facilities
RT Moorings
RT Transport
DEF Deepwater sites for supertankers.

DEER [01]
DA December 1, 1974
UF *Caribou*
UF *Mule Deer*
UF *Odocoileus*
UF *Reindeer*
BT1 Ruminants
BT2 Mammals
BT3 Vertebrates
BT4 Animals
RT Antlers

DEES [01]
DA December 1, 1974
BT1 Electrodes
RT Cyclotrons
RT Mass Spectrometers

DEFECTS [01]
(Not for CRYSTAL DEFECTS.)
DA December 1, 1974
UF *Flaws*
UF *Imperfections*
RT Cracks
RT Fracture Mechanics
RT Fractures
RT Porosity

RT Stress Intensity Factors
RT Voids

Defense
DA November 23, 1979
USE National Defense

Defense Atomic Support Agency TRIGA-Mk-F
DA December 1, 1974
USE AFRRI Reactor

DEFENSE PRODUCTION ACT
DA March 23, 1983
BT1 Laws
RT Energy Supplies
RT National Defense

DEFEROXAMINE [01]
DA December 1, 1974
UF *DFA*
BT1 Amines
BT2 Organic Compounds
BT1 Chelating Agents

Deficiency (Nutritional)
DA December 1, 1974
USE Nutritional Deficiency

DEFORESTATION [01]
DA September 15, 1983
RT Biomass
RT Carbon Cycle
RT Forestry
RT Forests
RT Revegetation

DEFORMATION [01]
DA December 1, 1974
UF *Buckling (Structural)*
UF *Structural Buckling*
NT1 Bending
NT1 Corrosion Denting
NT1 Nuclear Deformation
NT1 Portevin-Le Chatelier Effect
NT1 Ratcheting
RT Dilatancy
RT Dynamic Loads
RT Elasticity
RT Elongation
RT Fractures
RT Magnetostriction
RT Materials Working
RT Plasticity
RT Slip
RT Static Loads
RT Strains
RT Torsion

DEFORMED NUCLEI [01]
DA December 1, 1974
UF *Nonaxial Nuclei*
BT1 Nuclei
RT Aligned Coupling Scheme
RT Backbending
RT Cranking Model
RT Governor Model
RT Nuclear Deformation
RT Nuclear Models
RT Rotation-Vibration Model

DEFROSTING
DA February 23, 1982
RT Freezing
RT Frost
RT Ice
RT Melting

DEGASSING [01]
DA December 1, 1974
UF *Outgassing*
RT Desorption
RT Fission Product Release

Degradation (Chemical)
DA December 1, 1974
USE Decomposition

Degradation (Energy)
DA December 1, 1974
USE Energy Losses

Degradation (Nuclear)
DA December 1, 1974
USE Decay

Degradation (Radioinduced)
DA September 11, 1975
USE Radiolysis

Degradation (Thermal)
DA June 7, 1976
USE Thermal Degradation

DEGREE DAYS [01]
DA September 30, 1975
BT1 Units
RT Air Conditioning
RT Climates
RT Space Heating
RT Temperature Measurement

DEGREES OF FREEDOM [01]
DA October 7, 1986
RT Mechanics
RT Statistics
RT Thermodynamics
RT Variations

DEHALOGENATION [01]
DA November 30, 1982
BT1 Chemical Reactions
NT1 Dechlorination
NT1 Deiodination

DEHPA
DA December 1, 1974
SEE HDEHP
OR Phosphonic Acid Esters

DEHUMIDIFICATION
DA December 11, 1978
RT Dehumidifiers
RT Desiccants
RT Humidifiers
RT Solar Cooling Systems

DEHUMIDIFIERS
DA June 21, 1977
RT Dehumidification
RT Electric Appliances
RT Humidifiers

DEHYDRATION [01]
DA December 1, 1974
RT Dehydrators
RT Desiccants
RT Drying
RT Evaporation
RT Water Removal

DEHYDRATORS
DA January 28, 1977
RT Dehydration
RT Dryers
DEF Vessel or process system for removal of liquids from gases or solids by the use of heat, absorbents, or adsorbents.

DEHYDRIDATION
DA June 14, 1978
BT1 Chemical Reactions
RT Hydridation
RT Hydrogen

DEHYDROCYCLIZATION
DA April 28, 1983
UF *Condensation (Organic Compounds)*
BT1 Chemical Reactions

Dehydroepiandrosterone
DA December 1, 1974
USE Hydroxyandrostenone

Dehydrogenases
(Prior to January 1981 this was a valid descriptor and older material is so indexed.)
DA December 1, 1974
USE Oxidoreductases

DEHYDROGENATION [01]
DA December 1, 1974
BT1 Chemical Reactions
RT Deuteration
RT Hydrogenation

DEIODINATION [01]
DA January 20, 1975
BT1 Dehalogenation
BT2 Chemical Reactions
RT Iodination

Dekatrons
DA December 1, 1974
USE Counting Tubes

DELAWARE [01]
DA December 1, 1974
BT1 USA
BT2 Developed Countries
BT2 North America
RT Delaware Bay
RT Delaware River
RT US East Coast

DELAWARE BAY [01]
DA September 13, 1978
BT1 Bays
BT2 Coastal Waters
BT3 Surface Waters
RT Delaware

DELAWARE RIVER [01]
DA January 20, 1975
BT1 Rivers
BT2 Streams
BT3 Surface Waters
RT Delaware
RT New Jersey
RT New York
RT Pennsylvania

DELAY CIRCUITS [01]
DA December 1, 1974
BT1 Electronic Circuits
RT Pulse Techniques

DELAYED ALPHA PARTICLES [01]
DA December 1, 1974
BT1 Alpha Particles
BT2 Charged Particles
RT Alpha Decay
RT Decay

DELAYED GAMMA RADIATION [01]
DA December 1, 1974
BT1 Gamma Radiation
BT2 Electromagnetic Radiation
BT3 Radiations
BT2 Ionizing Radiations
BT3 Radiations
RT Decay
RT Nuclear Reactions
RT Photons

DELAYED NEUTRON ANALYSIS [01]
DA April 13, 1977
BT1 Nondestructive Analysis
BT2 Chemical Analysis
BT1 Nuclear Reaction Analysis
BT2 Chemical Analysis
RT Delayed Neutrons
RT Nuclear Reaction Analyzers

DELAYED NEUTRON FRACTION [01]
DA December 1, 1974
RT Delayed Neutrons

DELAYED NEUTRON PRECURSORS [01]
DA December 1, 1974
UF *Precursors (Delayed Neutron)*
UF *Precursors (Delayed Neutrons)*
BT1 Radioisotopes
BT2 Isotopes
RT Beta-Delayed Neutrons
RT Delayed Neutrons

DELAYED NEUTRONS [01]
DA December 1, 1974
BT1 Fission Neutrons
BT2 Neutrons

BT3 Nucleons
BT4 Baryons
BT5 Fermions
BT5 Hadrons
BT6 Elementary Particles
RT Decay
RT Delayed Neutron Analysis
RT Delayed Neutron Fraction
RT Delayed Neutron Precursors
RT Reactor Kinetics

DELAYED PROTON PRECURSORS [01]
DA December 16, 1976
UF *Precursors (Delayed Proton)*
BT1 Radioisotopes
BT2 Isotopes
RT Delayed Protons
RT Neutron-Deficient Isotopes

DELAYED PROTONS [01]
DA December 1, 1974
BT1 Protons
BT2 Nucleons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
RT Decay
RT Delayed Proton Precursors

DELAYED RADIATION EFFECTS [01]
DA December 1, 1974
UF *Chronic Radiation Effects*
UF *Late Radiation Effects*
UF+ *Delayed Radiation Injuries*
BT1 Biological Radiation Effects
BT2 Biological Effects
BT2 Radiation Effects
RT A-Bomb Survivors
RT Congenital Malformations
RT Dose Commitments
RT Early Radiation Effects
RT Genetic Radiation Effects
RT Latency Period
RT Medical Surveillance
RT Neoplasms
RT Radiation Syndrome
RT Time Dependence

Delayed Radiation Injuries
DA December 1, 1974
USE Delayed Radiation Effects
AND Radiation Injuries

DELBRUECK SCATTERING [01]
DA December 1, 1974
BT1 Inelastic Scattering
BT2 Scattering

Deletions (Chromosomal)
DA December 1, 1974
USE Chromosomal Aberrations

Delft Hoger Onderwijs Reactor
DA December 1, 1974
USE HOR Reactor

DELIGNIFICATION [01]
DA June 14, 1978
RT Cellulose
RT Lignin
RT Wood
DEF Removal of the lignin from wood by either enzymatic or chemical methods.

DELIVERY [01]
DA July 5, 1978
RT Agreements
RT Contracts
RT Materials Handling
RT Postal Services

DELORO STELLITE 6
DA July 10, 1984
UF *Stellite 6 (Deloro)*
BT1 Alloy-Co66Cr26W6
BT2 Carbon Additions
BT3 Alloys
BT2 Chromium Alloys
BT3 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Stellite
BT3 Cobalt Base Alloys
BT4 Cobalt Alloys
BT5 Alloys
BT2 Tungsten Alloys
BT3 Alloys

DELPHI METHOD
DA August 4, 1976
BT1 Forecasting
RT Management
RT Planning
RT Technology Assessment

Delphinium
DA December 1, 1974
USE Ranunculaceae

Delta-966 Resonances
(Prior to January 1988 this was a valid descriptor.)
DA December 1, 1974
USE A0-980 Mesons

DELTA-1232 BARYONS [01]
(Prior to February 1988 this concept was indexed by DELTA-1236 RESONANCES.)
DA February 19, 1988
UF *Delta-1236 Resonances*
BT1 Delta Baryons
BT2 N*Baryons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles

Delta-1236 Resonances
(Prior to February 1988 this was a valid descriptor.)
DA December 1, 1974
USE Delta-1232 Baryons

DELTA-1550 BARYONS [01]
DA February 19, 1988
BT1 Delta Baryons
BT2 N*Baryons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles

DELTA-1600 BARYONS [01]
(Prior to February 1988 this concept was indexed by DELTA-1650 RESONANCES.)
DA February 19, 1988
UF *Delta-1650 Resonances*
BT1 Delta Baryons
BT2 N*Baryons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles

DELTA-1620 BARYONS [01]
DA February 19, 1988
BT1 Delta Baryons
BT2 N*Baryons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles

Delta-1650 Resonances
(Prior to February 1988 this was a valid descriptor.)
DA December 1, 1974
USE Delta-1600 Baryons

Delta-1670 Resonances
DA December 1, 1974
USE Delta-1700 Baryons

DELTA-1700 BARYONS [01]
(Prior to February 1988 this concept was indexed by DELTA-1670 RESONANCES.)
DA February 19, 1988
UF *Delta-1670 Resonances*
BT1 Delta Baryons
BT2 N*Baryons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles

Delta-1877 Resonances
(Prior to August 1988 this was a valid descriptor.)
DA January 24, 1975
SEE N*Baryons

Delta-1890 Resonances
(Prior to February 1988 this was a valid descriptor.)
DA December 1, 1974
USE Delta-1900 Baryons

DELTA-1900 BARYONS [01]
(Prior to February 1988 this concept was indexed by DELTA-1890 RESONANCES.)
DA February 19, 1988
UF *Delta-1890 Resonances*
BT1 Delta Baryons
BT2 N*Baryons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles

DELTA-1905 BARYONS [01]
DA February 19, 1988
BT1 Delta Baryons
BT2 N*Baryons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles

DELTA-1910 BARYONS [01]
(Prior to February 1988 this concept was indexed by DELTA-1910 RESONANCES.)
DA February 19, 1988
UF *Delta-1910 Resonances*
BT1 Delta Baryons
BT2 N*Baryons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles

Delta-1910 Resonances
(Prior to February 1988 this was a valid descriptor.)
DA December 1, 1974
USE Delta-1910 Baryons

DELTA-1920 BARYONS [01]
DA February 19, 1988
BT1 Delta Baryons
BT2 N*Baryons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles

DELTA-1930 BARYONS [01]
DA February 19, 1988
BT1 Delta Baryons
BT2 N*Baryons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles

DELTA-1940 BARYONS [01]
DA February 19, 1988
BT1 Delta Baryons
BT2 N*Baryons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles

DELTA-1950 BARYONS [01]
(Prior to February 1988 this concept was indexed by DELTA-1950 RESONANCES.)
DA February 19, 1988
UF *Delta-1950 Resonances*
BT1 Delta Baryons
BT2 N*Baryons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles

Delta-1950 Resonances
(Prior to February 1988 this was a valid descriptor.)
DA December 1, 1974
USE Delta-1950 Baryons

Delta-1960 Resonances
(Prior to August 1988 this was a valid descriptor.)
DA January 24, 1975
USE Delta Baryons

DELTA-2000 BARYONS [01]
DA February 19, 1988
BT1 Delta Baryons
BT2 N*Baryons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles

DELTA-2150 BARYONS [01]
DA February 19, 1988
BT1 Delta Baryons
BT2 N*Baryons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles

DELTA-2200 BARYONS [01]
(Prior to February 1988 this concept was indexed by DELTA-2200 RESONANCES.)
DA February 19, 1988
UF *Delta-2200 Resonances*
BT1 Delta Baryons
BT2 N*Baryons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles

Delta-2200 Resonances
(Prior to February 1988 this was a valid descriptor.)
DA May 15, 1975
USE Delta-2200 Baryons

DELTA-2300 BARYONS [01]
DA February 19, 1988
BT1 Delta Baryons
BT2 N*Baryons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles

DELTA-2350 BARYONS [01]
DA February 19, 1988
BT1 Delta Baryons
BT2 N*Baryons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles

DELTA-2390 BARYONS [01]
DA February 19, 1988
BT1 Delta Baryons
BT2 N*Baryons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles

DELTA-2400 BARYONS [01]
DA February 19, 1988
BT1 Delta Baryons
BT2 N*Baryons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles

DELTA-2420 BARYONS [01]
(Prior to February 1988 this concept was indexed by DELTA-2420 RESONANCES.)
DA February 19, 1988
UF *Delta-2420 Resonances*
BT1 Delta Baryons
BT2 N*Baryons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles

Delta-2420 Resonances
(Prior to February 1988 this was a valid descriptor.)
DA December 1, 1974
USE Delta-2420 Baryons

DELTA-2750 BARYONS [01]
DA February 19, 1988
BT1 Delta Baryons
BT2 N*Baryons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles

Delta-2850 Resonances
(Prior to April 1989 this was a valid descriptor.)
DA December 1, 1974
USE Delta Baryons

DELTA-2950 BARYONS [01]
DA February 19, 1988
BT1 Delta Baryons
BT2 N*Baryons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles

DELTA-3000 BARYONS [01]
(Prior to February 1988 this concept was indexed by DELTA-3230 RESONANCES.)
DA February 19, 1988
UF *Delta-3230 Resonances*
BT1 Delta Baryons
BT2 N*Baryons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles

Delta-3230 Resonances
(Prior to Feburary 1988 this was a valid descriptor.)
DA December 1, 1974
USE Delta-3000 Baryons

DELTA BARYONS [01]
DA February 19, 1988
UF *Delta-1960 Resonances*
UF *Delta-2850 Resonances*
BT1 N*Baryons
BT2 Baryons
BT3 Fermions
BT3 Hadrons
BT4 Elementary Particles
NT1 Delta-1232 Baryons
NT1 Delta-1550 Baryons
NT1 Delta-1600 Baryons
NT1 Delta-1620 Baryons
NT1 Delta-1700 Baryons
NT1 Delta-1900 Baryons
NT1 Delta-1905 Baryons
NT1 Delta-1910 Baryons
NT1 Delta-1920 Baryons
NT1 Delta-1930 Baryons
NT1 Delta-1940 Baryons
NT1 Delta-1950 Baryons
NT1 Delta-2000 Baryons
NT1 Delta-2150 Baryons
NT1 Delta-2200 Baryons
NT1 Delta-2300 Baryons
NT1 Delta-2350 Baryons
NT1 Delta-2390 Baryons
NT1 Delta-2400 Baryons
NT1 Delta-2420 Baryons
NT1 Delta-2750 Baryons
NT1 Delta-2950 Baryons
NT1 Delta-3000 Baryons

DELTA FUNCTION [01]
DA December 1, 1974
UF *Dirac Delta Function*
BT1 Functions
RT Schwinger Terms

DELTA RAYS [01]
DA December 1, 1974
BT1 Radiations
RT Electrons
RT Ionizing Radiations
RT Recoils

Delta Resonances (Baryon)
DA December 1, 1974
USE N*Baryons

Delta Resonances (Meson)
DA December 1, 1974
USE Mesons

DEMAGNETIZATION [01]
DA October 19, 1977
NT1 Adiabatic Demagnetization
RT Magnetic Fields
RT Magnetism
RT Magnetization
RT Magnets
RT Quenching

Demagnetization (Adiabatic)
DA December 1, 1974
USE Adiabatic Demagnetization

DEMAND [01]
DA February 11, 1980
NT1 Energy Demand
NT1 Power Demand
NT1 Water Requirements
RT Availability
RT Energy Consumption
RT Fuel Consumption
RT Fuel Supplies
RT Supply and Demand

DEMAND FACTORS [01]
DA February 7, 1975
RT Electric Power
RT Energy Consumption
RT Energy Demand
RT Power Demand
RT Supply and Demand

Demand Limiters
DA March 8, 1977
USE Current Limiters

DEMBER EFFECT [01]
DA December 1, 1974
RT Charge Carriers

Demerol
DA May 15, 1975
USE Pethidine

DEMESMAEKERITE [01]
DA December 1, 1974
BT1 Oxide Minerals
BT2 Minerals
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
RT Lead Oxides
RT Uranium Oxides

DEMETALLIZATION
DA May 13, 1976
BT1 Separation Processes

DEMINERALIZATION [01]
DA December 1, 1974
BT1 Separation Processes

NT1 Desalination
RT Demineralizers
RT Distillation
RT Feedwater
RT Ion Exchange
DEF Water softening by use of zeolites or resins to remove cations.

DEMINERALIZERS [01]
DA December 1, 1974
RT Demineralization
RT Reactor Cooling Systems
RT Water

DEMOCRITUS REACTOR [01]
(Greek Atomic Energy Commission, Demokritos, Greece)
DA December 1, 1974
UF *Greek Research Reactor*
UF *GRR Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

DEMOGRAPHY
DA August 12, 1980
RT Human Populations
RT Population Dynamics
RT Population Relocation
RT SEEDIS
RT Sociology
DEF The statistical study of human populations with reference to natality, mortality, migratory movements, age, and sex, among other social, ethnic, and economic factors.

DEMOLITION [01]
DA December 1, 1974
NT1 Reactor Dismantling

DEMONSTRATION PLANTS
DA January 10, 1977
RT Bench-Scale Experiments
RT Field Tests
RT Industrial Plants
RT Pilot Plants
RT Process Development Units
DEF Plants designed to establish the technical and financial feasibility of technologies proven by pilot plant testing.

DEMONSTRATION PROGRAMS [01]
DA December 16, 1976
RT Commercialization
RT Experiment Planning
RT Planning
RT Program Management
RT Research Programs
RT US National Program Plans

DEMULSIFICATION
DA April 19, 1976
RT Demulsifiers
RT Emulsification
RT Emulsifiers
RT Emulsions

DEMULSIFIERS
DA January 10, 1977
BT1 Additives
RT Demulsification
RT Emulsification
RT Emulsifiers
RT Emulsions

Denaturation (Nucleic Acid)
DA December 1, 1974
USE Nucleic Acid Denaturation

Denaturation (Protein)
DA December 1, 1974
USE Protein Denaturation

DENATURED FUEL [01]
DA January 23, 1978
BT1 Nuclear Fuels
BT2 Energy Sources
BT2 Fuels
BT2 Reactor Materials
BT3 Materials
RT Proliferation
RT Safeguards
DEF Fuel which has been diluted or spiked so that it is not suitable for weapons use.

DENDRITES [01]
DA December 1, 1974
BT1 Crystals
RT Dendritic Web Growth Method

DENDRITIC WEB GROWTH METHOD
DA February 11, 1980
UF *Web Growth Method*
BT1 Crystal Growth Methods
RT Crystal Growth
RT Dendrites
RT Monocrystals
RT Sheets
DEF Self-shaping crystal growth method where the crystal is produced directly from the melt without the use of dies or shapers.

DENELCOR COMPUTERS [01]
DA February 10, 1984
BT1 Computers
RT Supercomputers

DENITRATION [01]
DA December 1, 1974
BT1 Chemical Reactions
RT Nitric Acid
RT Reprocessing

DENITRIFICATION [01]
DA January 27, 1975
BT1 Chemical Reactions
NT1 Combined SOxNOx Processes
NT2 ARGONOX Process
NT2 NOXSO Process
NT1 Selective Catalytic Reduction
RT ARGONOX Process
RT Bergbauforschung-Foster Wheeler Process
RT Hitachi Zosen Process
RT Ionics Electrolytic Regeneration Process
RT Nitrification
RT Nitrogen
RT Nitrogen Compounds
RT Shell-UOP Copper Oxide Process
RT SOLINOX Process

DENMARK [01]
DA December 1, 1974
BT1 Developed Countries
BT1 Scandinavia
BT2 Western Europe
BT3 Europe
RT Faeroe Islands
RT Greenland
RT OECD

DENSIMETERS [01]
DA December 1, 1974
BT1 Measuring Instruments
NT1 Pycnometers
RT Density
RT Radiometric Gages
RT Sedimentometers
RT Weight Indicators

DENSITOMETERS [01]
DA December 1, 1974
BT1 Photometers
BT2 Measuring Instruments
RT Photometry

DENSITY [01]
(For specific weight only.)
DA December 1, 1974
UF *Specific Gravity*
UF *Specific Volume*
UF *Specific Weight*
BT1 Physical Properties
NT1 API Gravity
NT1 Bulk Density
RT Densimeters
RT Fuel Densification
RT Jigs
RT Mass Distribution
RT Stopping Power
RT Weight

Density (Carrier)
DA December 1, 1974
USE Carrier Density

Density (Charge)
DA August 26, 1976
USE Charge Density

Density (Electron)
DA December 1, 1974
USE Electron Density

Density (Energy)
DA April 11, 1979
USE Energy Density

Density (Energy-Level)
DA June 30, 1975
USE Energy-Level Density

Density (Flux)
DA December 1, 1974
USE Flux Density

Density (Grain)
DA December 1, 1974
USE Grain Density

Density (Neutron)
DA December 1, 1974
USE Neutron Density

Density (Plasma)
DA December 1, 1974
USE Plasma Density

Density (Population)
DA December 1, 1974
USE Population Density

Density (Power)
DA December 1, 1974
USE Power Density

Density (Proton)
DA October 27, 1980
USE Proton Density

Density Log
DA March 27, 1979
USE Gamma-Gamma Logging

DENSITY MATRIX [01]
DA December 1, 1974
BT1 Matrices
RT Mathematical Operators
RT Quantum Mechanics

DENTIN [01]
DA December 1, 1974
RT Bone Tissues
RT Teeth

Denting (Corrosion)
DA September 6, 1979
USE Corrosion Denting

DENTISTRY [01]
DA December 1, 1974
BT1 Medicine
RT Caries
RT Teeth

Deoxidation
DA December 1, 1974
USE Reduction

DEOXYCYTIDINE [01]
DA December 1, 1974
UF+ *Deoxycytidinuria*
BT1 Nucleosides
BT2 Nucleotides
BT3 Organic Compounds
BT2 Ribosides
BT1 Pyrimidines
BT2 Azines
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
RT Cytidine

Deoxycytidinuria
DA December 1, 1974
USE Deoxycytidine
AND Urine

DEOXYCYTIDYLIC ACID [01]
DA December 1, 1974
BT1 Nucleotides
BT2 Organic Compounds
RT Cytidylic Acid

Deoxypentose Nucleic Acid
DA December 1, 1974
USE DNA

Deoxyribonuclease
DA December 1, 1974
USE DNA-ase

Deoxyribonucleic Acid
DA December 1, 1974
USE DNA

DEOXYRIBOSE [01]
DA December 1, 1974
BT1 Aldehydes
BT2 Organic Compounds
BT1 Pentoses
BT2 Monosaccharides
BT3 Saccharides
BT4 Carbohydrates
BT5 Organic Compounds
RT Ribosides

DEOXYURIDINE [01]
DA December 1, 1974
BT1 Antimetabolites
BT2 Drugs
BT1 Nucleosides
BT2 Nucleotides
BT3 Organic Compounds
BT2 Ribosides
BT1 Uracils
BT2 Hydroxy Compounds
BT3 Organic Compounds
BT2 Pyrimidines
BT3 Azines
BT4 Heterocyclic Compounds
BT5 Organic Compounds
BT4 Organic Nitrogen Compounds
BT5 Organic Compounds
RT BUDR
RT FUDR
RT Iododeoxyuridine

Department of Defense
DA October 20, 1977
USE US DOD

Department of Interior
DA April 6, 1978
USE US DOI

Department of Transportation
DA September 20, 1977
USE US DOT

DEPARTURE NUCLEATE BOILING [01]
DA December 1, 1974
UF *Critical Heat Flow*
UF *DNB*
BT1 Nucleate Boiling
BT2 Boiling
BT3 Phase Transformations

DEPHENOLIZATION
DA March 11, 1976
BT1 Chemical Reactions
RT Phenols

DEPLETED URANIUM [01]
DA December 1, 1974
BT1 Uranium
BT2 Actinides
BT3 Metals
BT4 Elements
RT Fuel Cycle

Depletion (Isotopic)
DA December 1, 1974
USE Isotope Separation

Depletion (Nuclear Fuels)
DA December 1, 1974
USE Burnup

Depletion Allowances
(Prior to February 1992 this was a valid descriptor.)
DA January 23, 1978
USE US Depletion Allowances
DEF Deductions allowed to federal income tax based on using up natural resources such as fossil fuels.

DEPLETION LAYER [01]
(An electric double layer formed at the surface of contact between a metal and a semiconductor having different work functions.)
DA March 4, 1980
UF *Barrier Layer*
UF *Blocking Layer*
UF *Space-Charge Layer*
BT1 Layers
RT Semiconductor Devices
RT Semiconductor Materials
RT Solar Cells
RT Surface Barrier Detectors
RT Surface Barrier Transistors

DEPOLARIZATION [01]
DA December 1, 1974
RT Polarization

DEPOLYMERIZATION [01]
DA December 1, 1974
BT1 Decomposition
BT2 Chemical Reactions
RT Molecular Weight
RT Polymerization

DEPOSITION [01]
(For the laying down of a substance on a surface; for deposition of elements and nuclides in tissues of living organisms use RETENTION.)
DA December 1, 1974
UF *Dry Deposition*
NT1 Surface Coating
NT2 Chemical Coating
NT3 Chemical Vapor Deposition
NT3 Electrochemical Coating
NT4 Anodization
NT2 Cladding
NT2 Diffusion Coating
NT2 Dip Coating
NT3 Hot Dipping
NT2 Electrodeposition
NT3 Electroplating
NT2 Energy Beam Deposition
NT2 Physical Vapor Deposition
NT2 Plating
NT3 Electroplating
NT3 Vapor Plating
NT2 Screen Printing
NT2 Spin-on Coating
NT2 Spray Coating
NT3 Flame Spraying
NT3 Plasma Arc Spraying
NT2 Vacuum Coating
RT Adsorption
RT Deposits
RT Masking
RT Precipitation
RT Retention
RT Scaling
RT Sputtering

DEPOSITS [01]
DA December 1, 1974
RT Antifoulants
RT Coatings
RT Deposition
RT Fouling

Deposits (Geological)
DA December 1, 1974
USE Geologic Deposits

DEPRECIATION
DA September 26, 1979
RT Economics
RT Financial Incentives
RT Financing

DEPRESSURIZATION [01]
DA December 1, 1974
RT Pressure Vessels
RT Pressurization
RT Reactor Safety

DEPRESSURIZATION SYSTEMS [01]
DA January 30, 1975
RT ECCS
RT Pressure Vessels

DEPTH [01]
(For elevation use LEVELS.)
DA December 1, 1974
BT1 Dimensions
NT1 Depth 1-3 km
NT1 Depth 3-6 km
NT1 Depth 6-9 km
NT1 Depth 9-12 km

DEPTH 1-3 KM
DA December 20, 1978
BT1 Depth
BT2 Dimensions

DEPTH 3-6 KM
DA December 20, 1978
BT1 Depth
BT2 Dimensions

DEPTH 6-9 KM
DA December 20, 1978
BT1 Depth
BT2 Dimensions

DEPTH 9-12 KM
DA December 20, 1978
BT1 Depth
BT2 Dimensions

DEPTH DOSE DISTRIBUTIONS [01]
DA December 1, 1974
UF *Depth Doses*
BT1 Spatial Dose Distributions
BT2 Radiation Dose Distributions
RT Isodose Curves
RT Phantoms
RT Radiotherapy
RT Range

Depth Doses
DA December 1, 1974
USE Depth Dose Distributions

Derby ZPR Neptune
DA December 1, 1974
USE Neptune Reactor

DEREGULATION [01]
DA January 23, 1978
RT Economics
RT Natural Gas
RT Petroleum
RT Pricing Regulations
RT Regulations
RT US Natural Gas Policy Act

DERIVATIZATION [01]
DA November 8, 1980

BT1 Chemical Reactions
RT Chemical Analysis
RT Structural Chemical Analysis
DEF Conversion of a chemical compound into a derivative, usually for the purpose of identification.

DERMATITIS [01]
DA December 1, 1974
BT1 Skin Diseases
BT2 Diseases
NT1 Radiodermatitis

DESALINATION [01]
DA December 1, 1974
BT1 Demineralization
BT2 Separation Processes
RT Desalination Plants
RT Distillation
RT Dual-Purpose Power Plants
RT Evaporators
RT Freezing Out
RT Ion Exchange
RT Salinity
RT Salts
RT Seawater
DEF Any process for making potable water from sea water or other saline waters.

DESALINATION PLANTS [01]
DA August 24, 1977
BT1 Industrial Plants
RT Desalination
RT Desalination Reactors
RT Dual-Purpose Power Plants
RT Seawater

DESALINATION REACTORS [01]
DA December 1, 1974
BT1 Reactors
NT1 BN-350 Reactor
RT Desalination Plants
RT Power Reactors

DESCALING [01]
DA December 1, 1974
BT1 Surface Finishing
RT Scaling
RT Shot Peening
RT Surface Cleaning

Desertron
DA March 6, 1984
USE Superconducting Super Collider

DESERTS [01]
DA December 1, 1974
BT1 Arid Lands
RT Climates
RT Sand
RT Terrestrial Ecosystems

DESICCANTS [01]
DA January 20, 1975
RT Dehumidification
RT Dehydration
RT Dryers
RT Drying
RT Resins
RT Zeolites

DESIGN [01]
DA April 8, 1975
NT1 Computer-Aided Design
RT Engineering Drawings
RT Feasibility Studies
RT Planning
RT Specifications

DESIGN BASIS ACCIDENTS [01]
DA December 1, 1974
BT1 Reactor Accidents
BT2 Accidents
NT1 Maximum Credible Accident

Desiodothyroxine
DA December 1, 1974
USE Thyronine

DESONOX Process
DA May 15, 1990
USE Combined SOxNOx Processes

DESOREX PROCESS
DA April 15, 1975
BT1 Desulfurization
BT2 Chemical Reactions

DESORPTION [01]
DA December 1, 1974
BT1 Sorption
RT Adsorption
RT Degassing
RT Fission Product Release

Desoxycorticosterone Acetate
DA December 1, 1974
USE DOCA

Desoxyribonucleic Acid
DA December 1, 1974
USE DNA

DESTRUCTIVE DISTILLATION
DA October 28, 1975
BT1 Decomposition
BT2 Chemical Reactions
BT1 Distillation
BT2 Separation Processes
RT Pyrolysis
RT Retorting

DESTRUCTIVE TESTING [01]
DA December 1, 1974
BT1 Materials Testing
BT2 Testing
NT1 Charpy Test
RT Impact Tests
RT Mechanical Properties
RT Post-Irradiation Examination

DESTRUGAS PROCESS
DA November 1, 1976
BT1 Waste Processing
BT2 Processing
BT2 Waste Management
BT3 Management
DEF Gasification in complete absence of air with indirect heating of the pyrolysis chamber with char and pyrolysis gas (fuel gas) as the only products.

DESULFOVIBRIO [01]
DA November 10, 1981
BT1 Sulfate-Reducing Bacteria
BT2 Bacteria
BT3 Microorganisms
DEF Strict anaerobes which reduce sulfates to hydrogen sulfide.

DESULFURIZATION [01]
DA December 1, 1974
UF *Fulham-Simon-Carves Process*
UF *Hipure Process*
UF *Unicracking/HDS Process*
UF+ *Jecco Process*
BT1 Chemical Reactions
NT1 Adip Process
NT1 Al Aqueous Carbonate Process
NT1 Alkalized Alumina Process
NT1 Alkazid Process
NT1 Ames Wet Oxidation Process
NT1 Amisol Process
NT1 Ammonia-Ammonium Bisulfate Process
NT1 Amoco Sulfur Recovery Process
NT1 Aquaclaus Process
NT1 AS Recycling Process
NT1 BAMAG Process
NT1 Battelle Hydrothermal Coal Process
NT1 Beavon Process
NT1 Benfield Process
NT1 Bergbauforschung-Foster Wheeler Process
NT1 Bergbauforschung Process
NT1 BOM-ERDA Process
NT1 CAFB Process
NT1 Carl Still Process
NT1 Cat-Ox Process
NT1 Catacarb Process
NT1 CEA-ADL Dual Alkali Process
NT1 Chemsweet Process
NT1 Chiyoda Thoroughbred Process
NT1 Citrate Process
NT1 CITREX Process
NT1 Claus Process
NT1 Cleanair Process
NT1 CNG Process
NT1 Combined SOxNOx Processes
NT2 ARGONOX Process
NT2 NOXSO Process
NT1 Conoco Process
NT1 Consol FGD Process
NT1 CZD Process
NT1 Davy S-H Process
NT1 Desorex Process
NT1 Diamox Process
NT1 Dowa Process
NT1 Ferrox Process
NT1 Fluor Econamine Process
NT1 Fluor Solvent Process
NT1 FMC Double Alkali Process
NT1 Fumaks Process
NT1 GE Process
NT1 Giammarco Vetrocoke Sulfur Process
NT1 Girbotol Process
NT1 Girdler-Girbotol Process
NT1 Gravichem Process
NT1 Gravimelt Process
NT1 Grillo Process
NT1 Gulf HDS Process
NT1 Haines Process
NT1 Hazen Process
NT1 Hirohax Process
NT1 Hoelter Process
NT1 Holmes-Stretford Process
NT1 ICI Process
NT1 IFP Process
NT1 IGT Dehydrodesulfurization Process
NT1 JPL Process
NT1 Koppers Vacuum Carbonate Process
NT1 Kureha Acetate Process
NT1 KVB Process
NT1 Ledgemont Process
NT1 Lime-Limestone Wet Scrubbing Processes
NT2 Bischoff Process
NT2 SF Nateko Process
NT1 LUCAS Process
NT1 Magnesium Slurry Scrubbing Process
NT1 Meyers Process
NT1 Molecular Sieve Process
NT1 Molten Carbonate Process
NT1 Otto Process
NT1 Penelec Process
NT1 Perox Process
NT1 Petit Process
NT1 Phosphate Process
NT1 Pircon-Peck Process
NT1 Pittsburgh Oxydesulfurization Process
NT1 Purasiv S Process
NT1 Purisol Process
NT1 Rectisol Process
NT1 Reinluft Process
NT1 RESOX Process
NT1 RIC Process
NT1 Saarberg-Holter Process
NT1 SCOT Process
NT1 Seaboard Process
NT1 Selexol Process
NT1 Shell-UOP Copper Oxide Process
NT1 SNPA-DEA Process
NT1 SOLINOX Process
NT1 SOXAL Process
NT1 Stauffer AQUACLAUS Process
NT1 Stone and Webster Ionics Process
NT1 Stretford Process
NT1 SULF-X Process
NT1 Sulfiban Process
NT1 Sulfinol Process
NT1 Sulfox Process
NT1 Sulfreen Process
NT1 Syracuse Chemical Comminution Process
NT1 Takahax Process
NT1 Thiosorbic Process

NT1 Thylox Process
NT1 Topsoe-SNPA Process
NT1 Townsend Process
NT1 TRW Process
NT1 Tyco Process
NT1 UCAP Process
NT1 UNISULF Process
NT1 Vacuum Carbonate Process
NT1 W-L Sulfur Dioxide Recovery Process
NT1 Walther Process
NT1 Westvaco Process
RT Air Pollution Abatement
RT Catalytic Hydrosolvation Process
RT Chemico Process
RT Dry Scrubbers
RT Fluidization
RT Hot Gas Cleanup
RT Ionics Electrolytic Regeneration Process
RT Rhodococcus
RT Sorbent Injection Processes
RT Sulfate-Reducing Bacteria
RT Sulfur-Oxidizing Bacteria
RT US Clean Coal Technology Program

DESY [01]
(Deutsches Elektronen Synchrotron.)
DA December 1, 1974
UF *Hamburg Synchrotron*
BT1 Synchrotrons
BT2 Cyclic Accelerators
BT3 Accelerators

DETAILED BALANCE PRINCIPLE [01]
DA December 1, 1974
BT1 T Invariance
BT2 Invariance Principles
RT Cross Sections
RT Hamiltonians
RT Nuclear Reactions
RT S Matrix
RT Scattering

DETECTION [01]
DA March 28, 1979
NT1 Boiling Detection
NT1 Failed Element Detection
NT1 Fuel Motion Detection
NT1 Nuclear Explosion Detection
NT1 Radiation Detection
NT2 Charged Particle Detection
NT3 Acoustic Detection
NT3 Alpha Detection
NT3 Beta Detection
NT3 Electron Detection
NT3 Ion Detection
NT3 Muon Detection
NT3 Pion Detection
NT3 Positron Detection
NT3 Proton Detection
NT2 Cosmic Ray Detection
NT2 Fission Fragment Detection
NT2 Gamma Detection
NT2 Kaon Detection
NT2 Neutrino Detection
NT2 Neutron Detection
NT2 X-Ray Detection
NT1 Seismic Detection
NT2 In-Country Detection
RT Intrusion Detection Systems
RT Nuclear Materials Management
RT Safeguards

Detection (Failed Element)
DA December 1, 1974
USE Failed Element Detection

Detection (Nuclear Explosions)
DA December 1, 1974
USE Nuclear Explosion Detection

Detection (Radiation)
(For the detection of elementary particles and radiations refer to narrower terms to RADIATION DETECTION.)
DA December 1, 1974
USE Radiation Detection

Detection (Seismic)
DA December 1, 1974
USE Seismic Detection

Detectors (Radiation)
DA December 1, 1974
USE Radiation Detectors

DETERGENTS [01]
DA December 1, 1974
SF *Chemicals*
BT1 Emulsifiers
BT2 Additives
BT1 Wetting Agents
BT2 Surfactants
NT1 Pluronics
RT Cleaning
RT Decontamination
RT Soaps
RT Xenobiotics

DETONATION LIMITS
DA January 28, 1977
RT Chemical Explosives
DEF Bounds on regions of stable detonation.

DETONATION WAVES [01]
DA August 25, 1976
BT1 Shock Waves
RT Combustion
RT Combustion Waves
RT Explosions
RT Ignition
DEF A shock wave that accompanies detonation and has a shock front followed by a region of decreasing pressure in which the reaction occurs.

DETONATIONS
DA February 5, 1975
RT Explosions
RT Implosions
RT Shock Waves

DETONATORS [01]
DA December 1, 1974
NT1 Fuses
RT Exploding Wires
RT Explosions

DETOXIFICATION [01]
DA March 16, 1981
RT Decontamination
RT Toxic Materials
RT Toxicity
RT Toxins

DETRITUS [01]
DA August 9, 1977
RT Biodegradation
RT Sediments
DEF Loose material (as rock fragments or organic particles) that results directly from disintegration.

DETROIT RIVER [01]
DA January 20, 1975
BT1 Rivers
BT2 Streams
BT3 Surface Waters
RT Michigan

DEUS
(More general term than CO-GENERATION, and preferable for methods using both heat and electric power when both are produced simultaneously and in significant quantities.)
DA November 14, 1978
UF *Dual Energy Use Systems*
BT1 Energy Systems
NT1 Cogeneration
RT District Heating
RT ICES Program
RT Total Energy Systems
RT Waste Heat Utilization

DEUTERATION [01]
DA December 1, 1974
BT1 Chemical Reactions
RT Dehydrogenation
RT Hydrogenation

DEUTERIDES [01]
DA May 6, 1975
BT1 Deuterium Compounds
BT2 Hydrogen Compounds
NT1 Hydrogen Deuteride
NT1 Lithium Deuterides

DEUTERIUM [01]
DA December 1, 1974
UF *Hydrogen 2*
BT1 Hydrogen Isotopes
BT2 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
RT Deuterons
RT Hydrogen Deuteride
RT Thermonuclear Fuels

DEUTERIUM COMPOUNDS [01]
DA December 1, 1974
UF+ *DTO*
UF+ *HDO*
BT1 Hydrogen Compounds
NT1 Deuterides
NT2 Hydrogen Deuteride
NT2 Lithium Deuterides
NT1 Deuterium Tritide
RT Heavy Water

Deuterium Hydride
DA December 1, 1974
USE Hydrogen Deuteride

DEUTERIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

Deuterium-Lithium High Flux Neutron Source Facility
DA October 20, 1977
USE Neutron Source Facilities

Deuterium Moderated Pile Low Energy
DA December 1, 1974
USE Dimple Reactor

Deuterium Oxide
DA November 1, 1976
USE Heavy Water

DEUTERIUM TARGET [01]
DA December 1, 1974
UF+ *Deuteron-Deuteron Interactions*
UF+ *Lepton-Deuteron Interactions*
UF+ *Meson-Deuteron Interactions*
BT1 Targets

DEUTERIUM TRITIDE [01]
DA May 31, 1979
UF *Deuterium Tritides*
BT1 Deuterium Compounds
BT2 Hydrogen Compounds
BT1 Tritides
BT2 Tritium Compounds
BT3 Hydrogen Compounds

Deuterium Tritides
DA November 11, 1975
USE Deuterium Tritide

DEUTERON BEAMS [01]
DA December 1, 1974
BT1 Ion Beams
BT2 Beams
RT Deuterons

Deuteron-Deuteron Interactions
DA September 6, 1979
USE Deuterium Target
AND Deuteron Reactions

DEUTERON MICROPROBE ANALYSIS [01]
DA August 4, 1981
BT1 Microanalysis
BT1 Nondestructive Analysis
BT2 Chemical Analysis
RT Deuteron Probes

DEUTERON PROBES [01]
DA August 4, 1981
BT1 Probes
RT Deuteron Microprobe Analysis
RT Deuteron Sources
RT Ion Probes

DEUTERON REACTIONS [01]
DA December 1, 1974
UF+ *Deuteron-Deuteron Interactions*
BT1 Charged-Particle Reactions
BT2 Nuclear Reactions
NT1 Antideuteron Reactions

DEUTERON SOURCES [01]
DA December 1, 1974
BT1 Particle Sources
BT2 Radiation Sources
RT Deuteron Probes

DEUTERON SPECTRA [01]
DA April 4, 1975
BT1 Spectra
RT Deuterons

DEUTERONS [01]
DA December 1, 1974
BT1 Charged Particles
RT Antideuterons
RT Antiproton-Deuteron Interactions
RT Deuterium
RT Deuteron Beams
RT Deuteron Spectra
RT Electron-Deuteron Interactions
RT Kaon-Deuteron Interactions
RT Muon-Deuteron Interactions
RT Neutrino-Deuteron Interactions
RT Neutron-Deuteron Interactions
RT Nucleon-Deuteron Interactions
RT Photon-Deuteron Interactions
RT Pion-Deuteron Interactions
RT Proton-Deuteron Interactions

DEVELOPED COUNTRIES [01]
DA March 3, 1978
UF *Industrialized Countries*
NT1 Australia
NT2 New South Wales
NT2 Northern Territory
NT2 Queensland
NT2 South Australia
NT2 Tasmania
NT2 Victoria
NT2 Western Australia
NT1 Austria
NT1 Belgium
NT1 Canada
NT2 Alberta
NT2 British Columbia
NT2 Manitoba
NT2 New Brunswick
NT2 Newfoundland
NT2 Northwest Territories
NT3 Port Radium
NT2 Nova Scotia
NT2 Ontario
NT3 Chalk River
NT3 Deep River
NT3 Elliot Lake
NT2 Prince Edward Island
NT2 Quebec
NT2 Saskatchewan
NT3 Beaverlodge
NT2 Yukon Territory
NT1 Denmark
NT1 Federal Republic of Germany
NT1 Finland
NT1 France
NT1 Ireland
NT1 Italy
NT2 Appennines
NT2 Sicily
NT1 Japan
NT2 Hachimantai
NT2 Hiroshima
NT2 Nagasaki
NT1 Luxembourg
NT1 Monaco
NT1 Netherlands
NT1 New Zealand
NT1 Norway
NT1 South Africa
NT2 Transvaal
NT1 Sweden
NT1 Switzerland
NT1 United Kingdom
NT2 Bermuda
NT2 Gibraltar
NT1 USA
NT2 Alabama
NT2 Alaska
NT2 American Samoa
NT2 Arizona
NT2 Arkansas
NT2 California
NT3 Brawley Geothermal Field
NT3 Coso Hot Springs
NT3 Imperial Valley
NT3 Long Valley
NT3 Los Angeles
NT2 Colorado
NT3 Mahogany Zone
NT3 Sand Wash Basin
NT2 Connecticut
NT2 Delaware
NT2 Florida
NT3 Cape Kennedy
NT2 Georgia
NT3 Atlanta
NT2 Great Basin
NT2 Hawaii
NT2 Idaho
NT3 Raft River Valley
NT2 Illinois
NT3 Chicago
NT2 Indiana
NT2 Iowa
NT2 Kansas
NT2 Kentucky
NT2 Louisiana
NT2 Maine
NT2 Maryland
NT2 Massachusetts
NT2 Michigan
NT2 Minnesota
NT2 Mississippi
NT2 Missouri
NT2 Montana
NT3 Powder River Basin
NT2 Nebraska
NT2 Nevada
NT3 Steamboat Springs
NT2 New Hampshire
NT2 New Jersey
NT2 New Mexico
NT3 Jemez Mountains
NT3 Los Alamos
NT2 New York
NT3 New York City
NT2 North Carolina
NT2 North Dakota
NT2 Ohio
NT3 Cleveland
NT2 Oklahoma
NT2 Oregon
NT3 Mt Hood
NT2 Pennsylvania
NT3 Pittsburgh
NT2 Puerto Rico
NT2 Rhode Island
NT2 South Carolina
NT2 South Dakota
NT3 Table Mountain Area
NT2 Tennessee
NT3 Chattanooga
NT3 Oak Ridge
NT2 Texas
NT2 Trust Territory of the Pacific Islands
NT3 Mariana Islands
NT4 Guam
NT2 US East Coast
NT2 US Gulf Coast
NT2 US West Coast
NT2 Utah
NT3 Roosevelt Hot Springs
NT2 Vermont
NT2 Virgin Islands
NT2 Virginia
NT2 Washington
NT3 Richland
NT2 Washington DC
NT2 West Virginia
NT2 Wisconsin
NT2 Wyoming
NT3 Powder River Basin
NT3 Rock Springs Sites
NT3 Washakie Basin
NT1 USSR
NT2 Caucasus
NT2 Crimea
NT2 Dubna
NT2 Kurile Islands
NT2 Lovozero
RT Developing Countries
RT Economic Development
RT Oil-Exporting Countries
RT Technology Utilization

DEVELOPERS [01]
DA December 1, 1974
SF *Chemicals*
NT1 Amidol
NT1 Pyrocatechol
NT1 Pyrogallol
NT1 Resorcinol
RT Photography

DEVELOPING COUNTRIES [01]
DA November 29, 1976
NT1 Afghanistan
NT1 Albania
NT1 Algeria
NT1 Angola
NT1 Argentina
NT2 Mendoza
NT1 Bahama Islands
NT1 Bahrain
NT1 Bangladesh
NT1 Bhutan
NT1 Bolivia
NT2 Chacaltaya
NT1 Botswana
NT1 Brazil
NT1 Bulgaria
NT1 Burma
NT1 Burundi
NT1 Cameroon
NT1 Central African Republic
NT1 Chad
NT1 Chile
NT1 Colombia
NT1 Congo Peoples Republic
NT2 Brazzaville
NT1 Costa Rica
NT1 Cuba
NT1 Czechoslovakia
NT1 Dominican Republic
NT1 Ecuador
NT1 Egyptian Arab Republic
NT1 El Salvador
NT1 Ethiopia
NT1 Gabon
NT1 Ghana
NT1 Greece
NT1 Guatemala
NT1 Guyana
NT1 Haiti
NT1 Honduras
NT1 Hungary
NT1 Iceland
NT1 India
NT1 Indonesia
NT1 Iran
NT1 Iraq
NT1 Israel
NT1 Ivory Coast
NT1 Jamaica
NT1 Jordan
NT1 Kenya
NT1 Kuwait
NT1 Laos
NT1 Lebanon
NT1 Lesotho
NT1 Liberia
NT1 Libya
NT1 Madagascar
NT2 Malagasy Republic
NT1 Malawi
NT1 Malaysia
NT1 Mali

NT1 Mauritania
NT1 Mexico
NT1 Morocco
NT1 Mozambique
NT1 Nepal
NT1 Nicaragua
NT1 Niger
NT1 Nigeria
NT1 North Korea
NT1 Oman
NT1 Pakistan
NT1 Panama
NT1 Paraguay
NT1 Peru
NT1 Philippines
NT1 Poland
NT1 Portugal
NT2 Azores Islands
NT1 Qatar
NT1 Republic of Korea
NT1 Romania
NT1 Saint Lucia
NT1 Saint Vincent and the Grenadines
NT1 Saudi Arabia
NT1 Senegal
NT1 Sierra Leone
NT1 Singapore
NT1 Somalia
NT1 Spain
NT2 Canary Islands
NT1 Sri Lanka
NT1 Sudan
NT1 Surinam
NT1 Swaziland
NT1 Syria
NT1 Tanzania
NT1 Thailand
NT1 Togo
NT1 Tunisia
NT1 Turkey
NT1 Uganda
NT1 Upper Volta
NT1 Uruguay
NT1 Venezuela
NT1 Viet Nam
NT1 Yemen
NT1 Yugoslavia
NT1 Zaire Republic
NT2 Kinshasa
NT1 Zambia
NT1 Zimbabwe
NT2 Southern Rhodesia
RT Developed Countries
RT Industry
RT Input-Output Analysis
RT Oil-Exporting Countries
RT Oil-Importing Countries
RT Rural Energy Centers

Devices
DA January 28, 1975
USE Equipment

DEVOLATILIZATION [01]
DA February 14, 1978
RT Volatile Matter
RT Volatility

DEVONIAN PERIOD [01]
DA October 19, 1977
BT1 Paleozoic Era
BT2 Geologic Ages

Devonian Shales
DA October 27, 1980
USE Black Shales

DEW POINT [01]
DA October 1, 1975
RT Humidity
RT Psychrometry
RT Vapor Condensation
DEF The temperature at which a vapor begins to condense.

Dewar Flasks
DA June 30, 1977
USE Dewars

DEWARS [01]
DA August 24, 1976
UF *Dewar Flasks*
BT1 Containers
RT Cryogenics

Dewatering
DA June 24, 1977
USE Water Removal

DEWATERING EQUIPMENT
DA April 9, 1985
BT1 Concentrators
RT Dryers
RT Water Removal

DEWAXING
DA October 1, 1975
UF *Paraffin Removal*
BT1 Separation Processes
RT Refining
RT Scrapers
RT Waxes

DEWINDTITE [01]
DA December 1, 1974
BT1 Lead Phosphates
BT2 Lead Compounds
BT2 Phosphates
BT3 Oxygen Compounds
BT3 Phosphorus Compounds
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
BT1 Uranium Phosphates
BT2 Phosphates
BT3 Oxygen Compounds
BT3 Phosphorus Compounds
BT2 Uranium Compounds
BT3 Actinide Compounds

DEXAMETHASONE [01]
DA December 1, 1974
BT1 Glucocorticoids
BT2 Corticosteroids
BT3 Adrenal Hormones
BT4 Hormones
BT3 Hydroxy Compounds
BT4 Organic Compounds
BT3 Ketones
BT4 Organic Compounds
BT3 Pregnanes
BT4 Steroids
BT5 Organic Compounds
BT3 Steroid Hormones
BT4 Hormones

DEXTRAN [01]
DA December 1, 1974
BT1 Blood Substitutes
BT2 Hematologic Agents
BT3 Drugs
BT1 Polysaccharides
BT2 Saccharides
BT3 Carbohydrates
BT4 Organic Compounds

DEXTRIN [01]
DA December 1, 1974
UF *Starch Gum*
BT1 Polysaccharides
BT2 Saccharides
BT3 Carbohydrates
BT4 Organic Compounds

Dextro and Levo Optical Isomers
DA February 23, 1976
USE Enantiomorphs

Dextronic Acid
DA December 1, 1974
USE Gluconic Acid

DFA
DA December 1, 1974
USE Deferoxamine

DFR-350 Reactor
DA December 1, 1974
USE DFR Reactor

DFR REACTOR [01]
DA December 1, 1974
UF *DFR-350 Reactor*
UF *Dounreay Fast Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Experimental Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 FBR Type Reactors
BT2 Breeder Reactors
BT3 Reactors
BT2 Fast Reactors
BT3 Epithermal Reactors
BT4 Reactors
BT1 Liquid Metal Cooled Reactors
BT2 Reactors
BT1 Power Reactors
BT2 Reactors

DHDECMP [01]
DA June 23, 1980
UF *Dihexyl-N,N-Diethylcarbamyl-methylenephosphonate*
BT1 Phosphonic Acid Esters
BT2 Esters
BT3 Organic Compounds
BT2 Organic Phosphorus Compounds
BT3 Organic Compounds
RT Organic Solvents

DHRUVA REACTOR [01]
(Bhabha Atomic Research Centre, Trombay, Maharashtra, India. Previously known as TROMBAY R-5 REACTOR.)
DA June 23, 1989
UF *Trombay R-5 Reactor*
BT1 Heavy Water Cooled Reactors
BT2 Reactors
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

Di-(2-Propyl) Ether
DA December 1, 1974
USE Isopropyl Ether

Di-2-Ethylhexylphosphoric Acid
DA December 1, 1974
USE HDEHP

DIABASES
DA November 10, 1981
BT1 Basalt
BT2 Volcanic Rocks
BT3 Igneous Rocks
BT4 Rocks

DIABATIC APPROXIMATION [01]
DA December 1, 1974
RT Adiabatic Approximation
RT Electron-Promotion Model
RT Quantum Mechanics
RT Scattering

DIABETES MELLITUS [01]
DA December 1, 1974
BT1 Endocrine Diseases
BT2 Diseases
BT1 Metabolic Diseases
BT2 Diseases
RT Insulin
RT Metabolism

DIABLO CANYON-1 REACTOR [01]
(Avila Beach, California, USA)
DA December 1, 1974
UF *Pacific Gas Diablo Canyon-1 Reactor*
BT1 PWR Type Reactors

BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

DIABLO CANYON-2 REACTOR [01]
(Avila Beach, California, USA)
DA December 1, 1974
UF *Pacific Gas Diablo Canyon-2 Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

Diacetylmorphine
DA December 1, 1974
USE Heroin

DIAGENESIS [01]
DA December 1, 1974
RT Catagenesis
RT Coalification
RT Origin
RT Petrogenesis
RT Sediments
DEF Any change occurring within sediments subsequent to deposition and before complete lithification that alters the mineral content and physical properties of the sediments.

DIAGNOSIS [01]
DA December 1, 1974
UF+ *Radiodiagnosis (Radionuclides)*
RT Diagnostic Techniques
RT Diagnostic Uses
RT Labelled Compounds
RT Medical Examinations
RT Medicine
RT Scintiscanning
RT Symptoms
RT Tracer Techniques

DIAGNOSTIC TECHNIQUES [01]
DA December 1, 1974
NT1 Autopsy
NT1 Biomedical Radiography
NT2 Fluoroscopy
NT2 Ionographic Imaging
NT2 Osteodensitometry
NT2 Renography
NT1 Biopsy
NT1 Cardiography
NT2 Radiocardiography
NT1 Electroencephalography
NT1 NMR Imaging
NT1 Photon Emission Scanning
NT2 ECAT Scanning
NT1 Photon Transmission Scanning
NT1 Radioimmunodetection
NT2 Radioimmunoassay
NT2 Radioimmunoscintigraphy
NT1 Scintiscanning
NT2 Radioimmunoscintigraphy
NT1 Tomography
NT2 Compton Scattering Tomography
NT2 Computerized Tomography
NT3 CAT Scanning
NT3 Emission Computed Tomography
NT4 ECAT Scanning
NT4 Positron Computed Tomography
NT4 Single Photon Emission Computed Tomography
NT3 Photon Computed Tomography
NT3 Proton Computed Tomography
NT2 Grazing Incidence Tomography
RT Autoradiography
RT Blood-Plasma Clearance
RT Diagnosis
RT Diagnostic Uses
RT Electrocardiograms
RT Medicine
RT Radioisotope Generators
RT Tracer Techniques
RT Ultrasonography
RT X-Ray Equipment

DIAGNOSTIC USES [01]
DA August 7, 1978
BT1 Uses
RT Diagnosis
RT Diagnostic Techniques
RT Medicine

DIAGRAMS [01]
(For significant diagrams, charts, graphs, and drawings only.)
DA December 1, 1974
UF *Charts*
UF *Curves*
SF *Graph.*
NT1 Bragg Curve
NT1 Electrocardiograms
NT1 Engineering Drawings
NT1 Fermi Plot
NT1 Feynman Diagram
NT1 Flowsheets
NT1 Goldstone Diagrams
NT1 Hertzsprung-Russell Diagram
NT1 Nomograms
NT1 Nyquist Diagrams
NT1 Optical Depth Curve
NT2 Spectroscopic Curve of Growth
NT1 Phase Diagrams
NT1 S-N Diagram
NT1 Sargent Diagrams
NT1 Scatterplots
NT2 Argand Diagrams
NT2 Dalitz Plot
NT2 Prism Plot
NT1 Sun Charts
NT1 Thermochemical Diagrams
NT1 Young Diagram
RT Computer Graphics
RT Computer-Graphics Devices
RT Maps
RT Pattern Recognition

DIAL PAINTERS [01]
DA December 1, 1974
BT1 Personnel
BT2 Man
BT3 Primates
BT4 Mammals
BT5 Vertebrates
BT6 Animals
RT Luminous Paints

DIALYSIS [01]
DA December 1, 1974
BT1 Separation Processes
NT1 Electrodialysis
RT Colloids
RT Diffusion
RT Mass Transfer
RT Mechanical Kidney
RT Membranes
RT Permeability
RT Proteins

DIAMAGNETISM [01]
DA December 1, 1974
BT1 Magnetism
NT1 Plasma Diamagnetism
RT De Haas-Van Alphen Effect

Diaminobiphenyl
DA December 1, 1974
USE Benzidine

1,4-Diaminobutane
DA December 1, 1974
USE Putrescine

Diaminocaproic Acid
DA December 1, 1974
USE Lysine

Diaminocyclohexanetetraacetic Acid
DA December 1, 1974
USE DCTA

1,5-Diaminopentane
DA December 1, 1974
USE Cadaverine

2,5-Diaminovaleric Acid
DA December 1, 1974
USE Ornithine

Diamond Counters
DA December 1, 1974
USE Crystal Counters

Diamond Drilling Equipment
DA August 9, 1977
USE Drilling Equipment

DIAMONDS [01]
DA December 1, 1974
BT1 Carbon
BT2 Nonmetals
BT3 Elements
BT1 Elemental Minerals
BT2 Minerals

DIAMOX PROCESS
DA January 30, 1979
BT1 Desulfurization
BT2 Chemical Reactions
RT Waste Processing
DEF Ammonia is used as adsorbent and stripped H_2S is fed to Claus Process.

Diamyl Sulfoxide
DA December 1, 1974
USE DPSO

DIANABOL [01]
DA April 4, 1975
BT1 Androgens
BT2 Androstanes
BT3 Steroids
BT4 Organic Compounds
BT2 Steroid Hormones
BT3 Hormones
BT1 Hydroxy Compounds
BT2 Organic Compounds
BT1 Ketones
BT2 Organic Compounds
BT1 Radioprotective Substances
BT2 Drugs

Diantipyrylmethane
DA May 10, 1984
USE Pyrazolines

DIAPHORASE
DA January 12, 1981
UF *Diaphorases*
UF *Flavoprotein Enzymes*
BT1 Isoalloxazines
BT2 Heterocyclic Compounds
BT3 Organic Compounds
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
BT2 Organic Oxygen Compounds
BT3 Organic Compounds
BT1 Nucleotide Dehydrogenases
BT2 Oxidoreductases
BT3 Enzymes
BT4 Proteins
BT5 Organic Compounds

Diaphorases
(Prior to January 1981 this was a valid descriptor and older material is so indexed.)
DA December 1, 1974
USE Diaphorase

DIAPHRAGM [01]
DA October 7, 1980
BT1 Muscles
BT1 Organs

BT2 Body
RT Abdomen
RT Chest
RT Lungs
RT Respiration
DEF Musculomembranous partition separating the abdominal and thoracic cavities.

Diaphragms (Thermonuclear Device)
DA June 30, 1975
USE Limiters

DIARRHEA [01]
DA December 1, 1974
BT1 Symptoms
RT Constipation
RT Digestive System Diseases
RT Enteritis
RT Intestines

DIATOMACEOUS EARTH [01]
DA April 8, 1975
UF *Kieselguhr*
RT Adsorbents
RT Diatoms
RT Filters
DEF A white, yellow, or light gray siliceous earth composed predominantly of the opaline frustules of diatoms.

DIATOMS [01]
(Algae of the class Bacillariophyceae.)
DA May 13, 1976
BT1 Chromophycota
BT2 Algae
BT3 Plants
RT Diatomaceous Earth
RT Phytoplankton
DEF The common general class name for algae of the class Bacillariophyceae.

1,3-Diazines
DA December 1, 1974
USE Pyrimidines

1,4-Diazines
DA December 1, 1974
USE Pyrazines

DIAZO COMPOUNDS [01]
DA December 1, 1974
BT1 Organic Nitrogen Compounds
BT2 Organic Compounds
NT1 PAN
NT1 Pyridylazoresorcinol
NT1 Thorin
RT Azo Dyes
RT Dyes

DIAZOTIZATION [01]
DA December 1, 1974
BT1 Chemical Reactions
RT Organic Nitrogen Compounds

Dibaryon Resonances
(Prior to February 1988 this was a valid descriptor.)
DA February 27, 1979
USE Dibaryons

DIBARYONS [01]
(Prior to February 1987 this concept was indexed by DIBARYON RESONANCES.)
DA February 19, 1988
UF *Baryon Number 2 Resonances*
UF *Dibaryon Resonances*
BT1 Baryons
BT2 Fermions
BT2 Hadrons
BT3 Elementary Particles
NT1 Dineutrons
NT1 Diprotons
NT1 Lambda-N-2130 Dibaryons
NT1 NN-2170 Dibaryons
NT1 NN-2250 Dibaryons

2,3,4,7-dibenzoanthracene
DA September 23, 1985
USE Pentacene

Dibenzopyrroles
DA December 1, 1974
USE Carbazoles

Diborane
DA June 30, 1975
USE Boranes

Dibutyl Ether
DA December 1, 1974
USE Butyl Ether

Dibutyl Phosphate
DA December 1, 1974
USE DBP

DICARBOXYLIC ACIDS [01]
DA December 1, 1974
BT1 Carboxylic Acids
BT2 Organic Acids
BT3 Organic Compounds
NT1 Adipic Acid
NT1 Beryllon
NT1 Fumaric Acid
NT1 Glutaric Acid
NT1 Itaconic Acid
NT1 Maleic Acid
NT1 Malonic Acid
NT1 Oxalic Acid
NT1 Phthalic Acid
NT1 Sebacic Acid
NT1 Succinic Acid
NT1 Terephthalic Acid
RT Imides
RT Imidines

DICENTRIC CHROMOSOMES [01]
DA December 1, 1974
UF *Dicentrics*
BT1 Chromosomes
RT Chromosomal Aberrations

Dicentrics
DA December 1, 1974
USE Dicentric Chromosomes

Dichlorodiethylamine
DA December 1, 1974
USE Nitrogen Mustard

Dichlorodiphenyltrichloroethane
DA December 1, 1974
USE DDT

Dichloromethane
DA February 23, 1982
USE Methylene Chloride

DICHROISM [01]
DA December 1, 1974
NT1 Magnetic Circular Dichroism
RT Color
RT Optical Properties

DICHROMATES [01]
(Specific compounds should be indexed by coordination of a descriptor or the form (CATION) COMPOUNDS and the above anion descriptor.)
DA November 9, 1983
BT1 Chromium Compounds
BT2 Transition Element Compounds
BT1 Oxygen Compounds
RT Chromium Oxides

Dicotyledons
DA December 21, 1988
USE Magnoliopsida

DICTIONARIES
DA November 1, 1976
UF *Glossaries*
BT1 Document Types
RT Machine Translations

DICTYOCAULUS [01]
DA December 1, 1974
BT1 Nematodes
BT2 Aschelminthes
BT3 Helminths
BT4 Parasites
RT Sheep

DICTYOPTERA [01]
DA June 16, 1981
BT1 Insects
BT2 Arthropods
BT3 Invertebrates
BT4 Animals
NT1 Cockroaches

Dictyosomes
DA August 21, 1991
USE Golgi Complexes

DICUMAROL [01]
DA December 1, 1974
BT1 Coumarins
BT2 Anticoagulants
BT3 Hematologic Agents
BT4 Drugs

DIDERICHITE [01]
DA December 1, 1974
BT1 Carbonate Minerals
BT2 Minerals
BT1 Uranium Carbonates
BT2 Carbonates
BT3 Carbon Compounds
BT3 Oxygen Compounds
BT2 Uranium Compounds
BT3 Actinide Compounds
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials

Dido-Juelich Reactor
DA December 1, 1974
USE FRJ-2 Reactor

DIDO REACTOR [01]
(UKAEA Atomic Energy Research Establishment, Harwell)
DA December 1, 1974
UF *UKAEA-Dido Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Heavy Water Cooled Reactors
BT2 Reactors
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Materials Testing Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

DIEL Variations
DA October 7, 1980
USE Daily Variations

DIELDRIN [01]
DA December 1, 1974
BT1 Insecticides
BT2 Pesticides

DIELECTRIC AMPLIFIERS [01]
DA December 1, 1974
BT1 Amplifiers
BT2 Electronic Equipment
BT3 Equipment

DIELECTRIC MATERIALS [01]
DA December 1, 1974
UF *Dielectrics*
UF *Materials (Dielectric)*
BT1 Materials
NT1 Antiferroelectric Materials

NT1 Electrets
RT Capacitors
RT Dielectric Properties
RT Dielectric Tensor
RT Dielectric Track Detectors
RT Electrical Insulation
RT Electrical Insulators
RT Ferroelectric Materials
RT Insulating Oils
RT Lichtenberg Figures
RT Mica
RT Natural Rubber
RT Organic Insulators
RT Paper
RT RITAD Dosemeters
RT Rubbers
RT Varnishes

DIELECTRIC PROPERTIES [01]
DA December 1, 1974
BT1 Electrical Properties
BT2 Physical Properties
NT1 Kerr Effect
RT Capacitance
RT Dielectric Materials
RT Dielectric Tensor
RT Insulating Oils
RT Permittivity
RT Relaxation Losses

DIELECTRIC TENSOR [01]
DA September 22, 1981
BT1 Tensors
RT Dielectric Materials
RT Dielectric Properties

DIELECTRIC TRACK DETECTORS [01]
DA December 1, 1974
UF *Track Detectors (Dielectric)*
BT1 Radiation Detectors
BT2 Measuring Instruments
RT Ceramics
RT Dielectric Materials
RT Electron Microscopy
RT Etching
RT Fission Foil Detectors
RT Glass
RT Latent Images
RT Lithium Fluorides
RT Luminescent Dosemeters
RT Mica
RT Olivine
RT Particle Tracks
RT Polymers
RT Tourmaline

Dielectrics
DA December 1, 1974
USE Dielectric Materials

DIELS-ALDER REACTION [01]
DA December 1, 1974
BT1 Chemical Reactions

DIENES [01]
DA December 1, 1974
BT1 Polyenes
BT2 Hydrocarbons
BT3 Organic Compounds
NT1 Allene
NT1 Butadiene
NT1 Cyclopentadiene
NT1 Ferrocene
NT1 Isoprene
NT1 Pentadienes

DIENG GEOTHERMAL FIELD [01]
DA April 28, 1983
BT1 Geothermal Fields
RT Indonesia

DIES [01]
DA December 1, 1974
RT Casting
RT Casting Molds
RT Extrusion
RT Forging
RT Pressing

DIESEL ENGINES [01]
DA February 5, 1975
UF *Diesel Motors*
BT1 Internal Combustion Engines
BT2 Heat Engines
BT3 Engines
RT Dual-Fuel Engines

DIESEL FUELS [01]
DA February 26, 1975
UF *Diesel Oil (Fraction)*
BT1 Gas Oils
BT2 Petroleum Distillates
BT3 Distillates
BT3 Petroleum Fractions
BT4 Petroleum
BT5 Fossil Fuels
BT6 Energy Sources
BT6 Fuels
BT2 Petroleum Products
BT1 Liquid Fuels
BT2 Fuels
RT Ethanol Fuels

Diesel Motors
DA December 1, 1974
USE Diesel Engines

Diesel Oil (Fraction)
DA March 11, 1976
USE Diesel Fuels

DIET [01]
DA December 1, 1974
RT Animal Feeds
RT Beverages
RT Drinking Water
RT Fasting
RT Feeding
RT Food
RT Food Additives
RT Food Chains
RT ICRP Critical Group
RT Ingestion
RT Mass Rearing
RT Nutrients
RT Nutrition
RT Nutritional Deficiency
RT Rearing
RT Therapy
RT Vitamins

1,1-Diethoxyethane
DA December 1, 1974
USE Acetal

Diethyl Ether
DA December 1, 1974
USE Ethyl Ether

Diethyldithiocarbamates
DA December 1, 1974
USE DEDTC

Diethylenetriaminepentaacetic Acid
DA December 1, 1974
USE DTPA

DIFFERENTIAL CALCULUS [01]
DA December 1, 1974
UF *Calculus (Differential)*
BT1 Mathematics
RT Differential Geometry

DIFFERENTIAL CROSS SECTIONS [01]
DA December 1, 1974
BT1 Cross Sections
RT Angular Distribution

DIFFERENTIAL EQUATIONS [01]
DA December 1, 1974
UF *Canonical Equations*
UF *Equations (Differential)*
BT1 Equations
NT1 BBGKY Equation
NT1 Chapman-Kolmogorov Equation
NT1 Dirac-Hestenes Equation
NT1 Hill Equation
NT1 Joos-Weinberg Equation
NT1 Kolmogorov Equation
NT1 Mathieu Equation
NT1 Neutron Diffusion Equation
NT1 Partial Differential Equations
NT2 Boltzmann Equation
NT2 Boltzmann-Vlasov Equation
NT2 Continuity Equations
NT2 Equations of Motion
NT2 Fokker-Planck Equation
NT2 Fourier Heat Equation
NT2 Grad-Shafranov Equation
NT2 Hamilton-Jacobi Equations
NT2 Korteweg-De Vries Equation
NT2 Lagrange Equations
NT2 Laplace Equation
NT2 Maxwell Equations
NT2 Navier-Stokes Equations
NT2 Poisson Equation
NT2 Proca Equations
NT2 Wave Equations
NT3 Dirac Equation
NT3 Klein-Gordon Equation
NT3 Schroedinger Equation
NT1 Riccati Equation
NT1 Schwinger Functional Equations
NT1 Sturm-Liouville Equation
RT Airy Functions
RT Boundary Conditions
RT Boundary-Value Problems
RT Cauchy Problem
RT Cluster Expansion
RT Control Theory
RT Dirichlet Problem
RT Finite Difference Method
RT Finite Element Method
RT Floquet Function
RT Green Function
RT Integral Equations
RT Mathematics
RT Recursion Relations
RT Riemann Function
RT Runge-Kutta Method

DIFFERENTIAL GEOMETRY [01]
DA March 24, 1983
BT1 Geometry
BT2 Mathematics
RT Differential Calculus
RT Mathematical Space

DIFFERENTIAL PAC [01]
DA December 1, 1974
BT1 Perturbed Angular Correlation
BT2 Angular Correlation
BT3 Correlations
RT Time Dependence

DIFFERENTIAL THERMAL ANALYSIS [01]
DA December 1, 1974
UF *DTA*
BT1 Thermal Analysis
RT Transition Heat

DIFFERENTIAL TOPOLOGY [01]
DA December 1, 1974
BT1 Topology
BT2 Mathematics
RT Mapping Fibration
RT Smooth Manifolds
RT Topological Foliation

DIFFRACTION [01]
DA December 1, 1974
BT1 Coherent Scattering
BT2 Scattering
NT1 Atomic Beam Diffraction
NT1 Electron Diffraction
NT1 Neutron Diffraction
NT1 X-Ray Diffraction
RT Debye-Waller Factor
RT Diffraction Gratings
RT Diffractometers
RT Gamma Diffractometers
RT Gratings
RT Optical Dispersion
RT Optical Properties

Diffraction (Electron)
DA December 1, 1974
USE Electron Diffraction

Diffraction (Neutron)
DA December 1, 1974
USE Neutron Diffraction

Diffraction (X-Ray)
DA December 1, 1974
USE X-Ray Diffraction

Diffraction Dissociation
DA December 1, 1974
USE Diffraction Models

DIFFRACTION GRATINGS [01]
(Prior to November 1989 this concept was indexed by GRATINGS.)
DA February 10, 1984
BT1 Gratings
RT Diffraction
RT Diffractometers
RT Optical Systems
RT Spectrometers
RT X-Ray Equipment

DIFFRACTION METHODS [01]
DA December 1, 1974
NT1 Debye-Scherrer Method
NT1 Laue Method
NT1 Rotating Crystal Method
RT Crystal Lattices
RT Crystallography
RT Patterson Method
RT Schulz Method
RT X-Ray Diffractometers

DIFFRACTION MODELS [01]
DA December 1, 1974
UF *Diffraction Dissociation*
UF *Diffraction Production*
BT1 Particle Models
BT2 Mathematical Models

Diffraction Production
DA December 1, 1974
USE Diffraction Models

DIFFRACTOMETERS [01]
DA June 16, 1975
BT1 Measuring Instruments
NT1 Gamma Diffractometers
NT1 Neutron Diffractometers
NT1 X-Ray Diffractometers
RT Diffraction
RT Diffraction Gratings

DIFFUSE SOLAR RADIATION [01]
DA October 23, 1979
BT1 Solar Flux
BT1 Solar Radiation
BT2 Radiations
BT2 Stellar Radiation
RT Direct Solar Radiation
RT Insolation
RT Light Scattering
DEF Solar radiation that has been scattered or reflected in traversal of the atmosphere.

DIFFUSER AUGMENTED TURBINES
DA June 2, 1977
BT1 Wind Turbines
BT2 Turbines
BT3 Turbomachinery
BT4 Machinery
BT5 Equipment
RT Horizontal Axis Turbines
DEF Horizontal axis turbine enclosed in shroud of duct to create venturi effect

DIFFUSERS
DA November 29, 1977
RT Baffles
RT Ducts
RT EHD Channels
RT Fluid Flow
RT MHD Channels
RT Pipes
DEF A duct, chamber, or section in which a high-velocity, low-pressure stream of fluid is converted into a low-velocity, high- pressure flow.

DIFFUSION [01]
DA December 1, 1974
UF *Effusion*
SF *Heat Dissipation*
NT1 Ambipolar Diffusion
NT1 Gaseous Diffusion
NT1 Osmosis
NT1 Self-Diffusion
NT1 Thermal Diffusion
RT Advection
RT Atom Transport
RT Dialysis
RT Donnan Theory
RT Fick Laws
RT Kirkendall Effect
RT Mass Transfer
RT Mean Free Path
RT Membrane Transport
RT Mixing
RT Motion
RT Particle Resuspension
RT Radionuclide Migration
RT Sinks
RT Turbulence

Diffusion Area
DA December 1, 1974
USE Diffusion Length

DIFFUSION BARRIERS [01]
DA January 27, 1975
SF *Barriers*
RT Gaseous Diffusion Process
DEF Porous barrier through which gaseous mixtures are passed for enrichment of the lighter-molecular-weight constituent of the diffusate; used as a many-stage cascade system for the recovery of $^{235}UF_6$ isotopes from a $^{238}UF_6$ stream.

DIFFUSION CHAMBERS [01]
DA December 1, 1974
RT Aerosols
RT Cloud Chambers
RT Tissue Cultures

DIFFUSION COATING [01]
DA December 1, 1974
UF *Calorizing*
UF *Chromizing*
UF *Sherardizing*
UF *Siliconizing*
BT1 Surface Coating
BT2 Deposition
RT Diffusion Coatings

DIFFUSION COATINGS [01]
DA December 1, 1974
BT1 Coatings
RT Diffusion Coating

DIFFUSION LENGTH [01]
DA December 1, 1974
UF *Diffusion Area*
BT1 Length
BT2 Dimensions
RT Migration Length

DIFFUSION WELDING [01]
DA December 1, 1974
BT1 Welding
BT2 Joining
BT3 Fabrication

Digallic Acid
DA December 1, 1974
USE Tannic Acid

Digester Gas
DA October 24, 1984
USE Methane

DIGESTION [01]
DA December 1, 1974
NT1 Aerobic Digestion
NT1 Anaerobic Digestion
NT2 BIOGAS Process
NT1 Intracellular Digestion
RT Amylase
RT Chymotrypsin
RT Digestive System
RT Gastric Acid
RT Ingestion
RT Intestinal Absorption
RT Pepsin
RT Physiology
RT Trypsin

DIGESTIVE SYSTEM [01]
DA December 1, 1974
NT1 Biliary Tract
NT1 Esophagus
NT1 Gastrointestinal Tract
NT2 Intestines
NT3 Large Intestine
NT4 Rectum
NT3 Small Intestine
NT2 Stomach
NT1 Liver
NT1 Oral Cavity
NT2 Teeth
NT2 Tongue
NT1 Pancreas
NT1 Pharynx
RT Anorexia
RT Digestion
RT Digestive System Diseases
RT Organs

DIGESTIVE SYSTEM DISEASES [01]
DA December 1, 1974
BT1 Diseases
NT1 Enteritis
NT1 Hepatitis
NT2 Infectious Hepatitis
NT1 Liver Cirrhosis
NT1 Peritonitis
NT1 Proctitis
RT Anorexia
RT Constipation
RT Diarrhea
RT Digestive System
RT Gastrectomy
RT Hepatectomy
RT Nausea
RT Vomiting

DIGITAL CIRCUITS [01]
DA December 1, 1974
UF *Coding Circuits*
BT1 Electronic Circuits
RT Sequential Circuits

DIGITAL COMPUTERS [01]
DA December 1, 1974
UF *Data Processors*
BT1 Computers
NT1 CII Computers
NT1 Fault Tolerant Computers
NT1 Microcomputers
NT2 Personal Computers
NT1 Parameter Computers
NT1 Supercomputers
NT2 Cedar Computers

DIGITAL FILTERS [01]
DA July 23, 1977
RT Array Processors
RT Data Processing
RT Digital Frequency Analysis
RT Image Processing
RT Mathematical Operators
DEF Computational means of attenuating undesired frequencies in set of time-dependent data.

DIGITAL FREQUENCY ANALYSIS
DA July 23, 1977
BT1 Frequency Analysis
RT Data Processing
RT Digital Filters
RT Mathematical Operators
DEF Computational procedure for estimating frequency content for set of time-dependent data.

DIGITAL SYSTEMS [01]
DA December 1, 1974
RT Analog-to-Digital Converters
RT Computer Architecture
RT Computers
RT Digital-to-Analog Converters
RT Electronic Circuits
RT Electronic Equipment

DIGITAL-TO-ANALOG CONVERTERS [01]
DA December 1, 1974
UF *Converters (Digital-Analog)*
BT1 Electronic Equipment
BT2 Equipment
RT Analog Systems
RT Digital Systems

DIGITALIS [01]
DA December 1, 1974
BT1 Magnoliopsida
BT2 Magnoliophyta
BT3 Plants
BT1 Medicinal Plants
BT2 Plants

DIGITALIS GLYCOSIDES [01]
DA December 1, 1974
BT1 Cardiac Glycosides
BT2 Cardiotonics
BT3 Cardiovascular Agents
BT4 Drugs
BT2 Glycosides
BT3 Carbohydrates
BT4 Organic Compounds
NT1 Digitoxin
NT1 Digoxin

DIGITIZERS [01]
DA December 1, 1974
BT1 Signal Conditioners
BT2 Pulse Circuits
BT3 Electronic Circuits
NT1 Cathode Ray Tube Digitizers
NT1 Flying Spot Digitizers
NT1 Scanning Measuring Projectors
NT1 Spiral Reader Digitizers
RT Analog-to-Digital Converters
RT Bubble Chambers
RT Data Processing
RT Electronic Equipment
RT Image Scanners
RT On-Line Measurement Systems
RT Optical Scanners
RT Signal Conditioning
RT Spark Chambers
DEF A device for converting non-digital information into digits.

DIGITOXIN [01]
DA December 1, 1974
BT1 Digitalis Glycosides
BT2 Cardiac Glycosides
BT3 Cardiotonics
BT4 Cardiovascular Agents
BT5 Drugs
BT3 Glycosides
BT4 Carbohydrates
BT5 Organic Compounds
RT Digoxin

Diglycol Monoalkyl Ethers
DA December 1, 1974
USE Carbitols

DIGOXIN [01]
DA December 1, 1974
UF *Lanoxin*
BT1 Digitalis Glycosides
BT2 Cardiac Glycosides
BT3 Cardiotonics
BT4 Cardiovascular Agents
BT5 Drugs
BT3 Glycosides
BT4 Carbohydrates
BT5 Organic Compounds
RT Digitoxin

Dihexyl-N,N-Diethylcarbamyl-methylenephosphonate
DA June 23, 1980
USE DHDECMP

1,2-Dihydroxyanthraquinone
DA December 1, 1974
USE Alizarin

1,4-Dihydroxyanthraquinone
DA December 1, 1974
USE Quinizarin

Dihydroxyaromatics
DA December 1, 1974
USE Polyphenols

1,2-Dihydroxybenzene
DA December 1, 1974
USE Pyrocatechol

1,3-Dihydroxybenzene
DA December 1, 1974
USE Resorcinol

Dihydroxybenzene-meta
DA December 1, 1974
USE Resorcinol

Dihydroxybenzene-ortho
DA December 1, 1974
USE Pyrocatechol

3,4-Dihydroxyphenylalanine
DA December 1, 1974
USE DOPA

Dihydroxypropionic Acid
DA December 1, 1974
USE Glyceric Acid

Dihydroxysuccinic Acid
DA December 1, 1974
USE Tartaric Acid

DIIODOTHYRONINE [01]
DA September 15, 1983
BT1 Thyroid Hormones
BT2 Peptide Hormones
BT3 Hormones
BT3 Proteins
BT4 Organic Compounds
RT Thyronine
RT Triiodothyronine

DIIODOTYROSINE [01]
DA December 1, 1974
BT1 Amino Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT1 Hydroxy Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT1 Organic Iodine Compounds
BT2 Organic Halogen Compounds
BT3 Organic Compounds
RT Tyrosine

Diisoamyl Methylphosphonate
DA December 1, 1974
USE DAMPA

Diisopentyl Methylphosphonate
DA December 1, 1974
USE DAMPA

Diisopropyl Ether
DA December 1, 1974
USE Isopropyl Ether

DIKES
DA December 8, 1980
BT1 Geologic Structures
RT Geologic Formations
DEF A vertical tabular body of rock that fills a fissure in the host rock.

DILATANCY
DA November 8, 1982
BT1 Mechanical Properties
RT Compressibility
RT Deformation
RT Rock Mechanics
RT Stresses
RT Volume
DEF The increase in volume during application of differential stresses to a noncompacting material.

DILATOMETRY [01]
DA December 1, 1974
BT1 Thermal Analysis
RT Extensometers
RT Shrinkage
RT Thermal Expansion

DILUTE ALLOYS [01]
DA December 1, 1974
BT1 Alloys

DILUTION [01]
DA December 1, 1974
RT Isotope Dilution
RT Solutions

1-Dimensional Calculations
DA December 1, 1974
USE One-Dimensional Calculations

2-Dimensional Calculations
DA December 1, 1974
USE Two-Dimensional Calculations

3-Dimensional Calculations
DA December 1, 1974
USE Three-Dimensional Calculations

4-Dimensional Calculations
DA December 1, 1974
USE Four-Dimensional Calculations

DIMENSIONS [01]
DA December 1, 1974
NT1 Depth
NT2 Depth 1-3 km
NT2 Depth 3-6 km
NT2 Depth 6-9 km
NT2 Depth 9-12 km
NT1 Height
NT2 Scale Height
NT2 Virtual Height
NT1 Length
NT2 Bond Lengths
NT2 Coherence Length
NT2 Debye Length
NT2 Diffusion Length
NT2 Elementary Length
NT2 Extrapolation Length
NT2 Migration Length
NT2 Radiation Length
NT2 Scattering Lengths
NT2 Slowing-Down Length
NT1 Thickness
NT2 Half-Thickness
NT1 Width
RT Amplitudes
RT Compactification
RT Distance
RT Shape
RT Size
RT Topology
RT Volume

Dimercaprol
DA December 1, 1974
USE BAL

Dimercaptoethane
DA December 1, 1974
USE Dithiols

Dimercaptopropanol
DA December 1, 1974
USE BAL

DIMERIZATION [01]
DA December 1, 1974
BT1 Polymerization
BT2 Chemical Reactions

DIMERS [01]
DA December 1, 1974
RT Excimer Lasers
RT Monomers
RT Polymers

1,2-Dimethoxyethane
DA December 1, 1974
USE DME

1,2-Dimethoxymethane
DA December 1, 1974
USE Methylal

Dimethyl Ketone
DA December 1, 1974
USE Acetone

→**DIMETHYL SULFIDE [01]**
DA January 8, 1992
UF *Dimethylsulfide*
BT1 Organic Sulfur Compounds
BT2 Organic Compounds
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds

Dimethyl Sulfoxide
DA December 1, 1974
USE DMSO

DIMETHYLBENZANTHRACENE [01]
DA July 18, 1979
UF *DMBA*
BT1 Condensed Aromatics
BT2 Aromatics
BT3 Organic Compounds

Dimethylbenzenes
DA December 1, 1974
USE Xylenes

DIMETHYLGLYOXIME [01]
DA December 1, 1974
BT1 Oximes
BT2 Amines
BT3 Organic Compounds
BT2 Hydroxy Compounds
BT3 Organic Compounds
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
BT1 Reagents

Dimethylphenols
DA January 29, 1975
USE Xylenols

2,2-Dimethylpropane
DA December 1, 1974
USE 2-2-Dimethylpropane

2-2-DIMETHYLPROPANE [01]
DA December 1, 1974
UF *2,2-Dimethylpropane*
UF *Neopentane*
BT1 Alkanes
BT2 Hydrocarbons
BT3 Organic Compounds

Dimethylpropionic Acid
DA December 1, 1974
USE Pivalic Acid

Dimethylsulfide
DA January 8, 1992
USE Dimethyl Sulfide

1,3-Dimethylxanthine
DA December 1, 1974
USE Theophylline

3,7-Dimethylxanthine
DA December 1, 1974
USE Theobromine

DIMPLE REACTOR [01]
(Uncooled, variably fueled.)
DA December 1, 1974
UF *Deuterium Moderated Pile Low Energy*
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

DINEUTRONS [01]
DA February 20, 1975
BT1 Dibaryons
BT2 Baryons
BT3 Fermions
BT3 Hadrons
BT4 Elementary Particles
BT1 Polyneutrons
BT2 Neutrons
BT3 Nucleons
BT4 Baryons
BT5 Fermions
BT5 Hadrons
BT6 Elementary Particles

DINING CAR EVENT [01]
DA November 11, 1975
BT1 Bedrock Project
BT2 Nuclear Explosions
BT3 Explosions
BT2 Underground Explosions
BT3 Explosions

Dining Halls
DA January 9, 1981
USE Restaurants

DINITROPHENOL [01]
DA December 1, 1974
UF *DNP*
BT1 Nitro Compounds
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
BT1 Phenols
BT2 Aromatics
BT3 Organic Compounds
BT2 Hydroxy Compounds
BT3 Organic Compounds
RT Nitrophenol

Dinitrosoresorcinol
DA July 18, 1981
USE Nitroso Compounds

DINOFLAGELLATE [01]
DA October 7, 1980
BT1 Mastigophora
BT2 Protozoa
BT3 Invertebrates
BT4 Animals
BT3 Microorganisms

Diode Transistors
DA September 11, 1975
USE Transistors

DIODE TUBES [01]
DA December 1, 1974
BT1 Electron Tubes
NT1 Thermionic Diodes

Diodes (Semiconductor)
DA December 1, 1974
USE Semiconductor Diodes

DIODRAST [01]
DA December 1, 1974
UF *Iodopyracet*
BT1 Contrast Media
BT1 Heterocyclic Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT2 Heterocyclic Compounds
BT3 Organic Compounds
BT1 Organic Iodine Compounds
BT2 Organic Halogen Compounds
BT3 Organic Compounds
BT1 Pyridines
BT2 Azines
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds

Diols
DA December 1, 1974
USE Glycols

DIOPSIDE
DA January 7, 1976
BT1 Pyroxenes
BT2 Minerals
BT2 Silicates
BT3 Oxygen Compounds
BT3 Silicon Compounds
BT1 Silicate Minerals
BT2 Minerals
DEF A mineral of the clinopyroxene group $CaMg(SiO_3)_2$.

DIORIT REACTOR [01]
(Eidgenoessiches Institute fuer Reaktorforschung, Wuerlingen, Switzerland)
DA December 1, 1974
BT1 Heavy Water Cooled Reactors
BT2 Reactors
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Mixed Spectrum Reactors
BT2 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors

DIORITES
DA August 12, 1980
BT1 Plutonic Rocks
BT2 Igneous Rocks
BT3 Rocks

DIOXANE [01]
DA December 1, 1974
UF *1,4-Dioxane*
UF *Dioxyethylene Ether*
BT1 Heterocyclic Compounds
BT2 Organic Compounds
BT1 Organic Oxygen Compounds
BT2 Organic Compounds

1,4-Dioxane
DA December 1, 1974
USE Dioxane

DIOXIN [01]
DA March 29, 1980
BT1 Heterocyclic Compounds
BT2 Organic Compounds
BT1 Organic Oxygen Compounds
BT2 Organic Compounds
RT Additives
RT Preservatives

Dioxyethylene Ether
DA December 1, 1974
USE Dioxane

DIP COATING [01]
DA December 1, 1974
BT1 Surface Coating
BT2 Deposition
NT1 Hot Dipping
RT Dipped Coatings

Dip Logging
DA August 25, 1976
USE Dipmeter Logging

Dipentyl Sulfoxide
DA December 1, 1974
USE DPSO

Diphenyl Ketone
DA December 1, 1974
USE Benzophenone

Diphenylcarbazides
DA December 1, 1974
USE DPCA

DIPHENYLCARBAZONES [01]
DA December 1, 1974
BT1 Carbazones
BT2 Carbonic Acid Derivatives
BT3 Organic Compounds
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds

Diphenylcarbinol
DA December 1, 1974
USE Benzhydrol

1,2-Diphenylethane
DA December 1, 1974
USE Bibenzyl

1,2-Diphenylethylene
DA December 1, 1974
USE Stilbene

Diphenylglycolic Acid
DA December 1, 1974
USE Benzilic Acid

Diphenylmethanol
DA December 1, 1974
USE Benzhydrol

Diphenylphosphine Oxide
DA December 1, 1974
USE Organic Phosphorus Compounds

Diphenylpicrylhydrazyl
DA December 1, 1974
USE DPPH

Diphenylthiocarbazone
DA December 1, 1974
USE Dithizone

Diphosphodihydropyridine Nucleotide
DA May 17, 1976
USE NADH2

DIPHTHERIA [01]
DA December 1, 1974
BT1 Bacterial Diseases
BT2 Infectious Diseases
BT3 Diseases

Diplococcus Pneumoniae
DA December 1, 1974
USE Pneumococcus

DIPLOIDY [01]
DA December 1, 1974
BT1 Ploidy

DIPMETER LOGGING
DA August 24, 1976
UF *Dip Logging*
BT1 Well Logging

DIPOLE MOMENTS [01]
DA December 1, 1974
NT1 Electric Dipole Moments
NT1 Magnetic Dipole Moments
RT Dipoles

DIPOLES [01]
DA December 1, 1974
BT1 Multipoles
NT1 Electric Dipoles
NT1 Magnetic Dipoles
RT Dipole Moments
RT Polar Compounds
RT Relaxation Losses

DIPPED COATINGS [01]
DA December 1, 1974
BT1 Coatings
RT Dip Coating

DIPROTONS [01]
DA December 1, 1974
BT1 Dibaryons
BT2 Baryons
BT3 Fermions
BT3 Hadrons
BT4 Elementary Particles
BT1 Protons
BT2 Nucleons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles

DIPTERA [01]
DA June 16, 1981
BT1 Insects
BT2 Arthropods
BT3 Invertebrates
BT4 Animals
NT1 Flies
NT2 Fruit Flies
NT3 Ceratitis Capitata
NT3 Dacus
NT4 Dacus Oleae
NT3 Drosophila
NT3 Rhagoletis Cerasi
NT2 Glossina
NT2 Hylemya Antiqua
NT2 Screwworm Fly
NT1 Mosquitoes

→**DIPYRIDAMOLE [01]**
DA September 10, 1992
BT1 Piperidines
BT2 Amines
BT3 Organic Compounds
BT2 Pyridines
BT3 Azines
BT4 Heterocyclic Compounds
BT5 Organic Compounds
BT4 Organic Nitrogen Compounds
BT5 Organic Compounds
BT1 Vasodilators
BT2 Cardiovascular Agents
BT3 Drugs

DIRAC APPROXIMATION [01]
DA December 1, 1974
RT Quantum Mechanics

DIRAC COSMOLOGY [01]
DA December 1, 1974
BT1 Cosmology

Dirac Delta Function
DA December 1, 1974
USE Delta Function

DIRAC EQUATION [01]
DA December 1, 1974
BT1 Wave Equations
BT2 Partial Differential Equations
BT3 Differential Equations
BT4 Equations
RT Dirac Operators
RT Electrons
RT Foldy-Wouthuysen Transform
RT Joos-Weinberg Equation
RT Quantum Electrodynamics
RT Relativity Theory
RT Schroedinger Equation

DIRAC FORM FACTORS [01]
DA December 1, 1974
BT1 Form Factors
BT2 Particle Properties

DIRAC-HESTENES EQUATION [01]
DA December 1, 1974
BT1 Differential Equations
BT2 Equations

Dirac Matrices
DA December 1, 1974
USE Dirac Operators

Dirac Monopoles
DA December 1, 1974
USE Magnetic Monopoles

DIRAC OPERATORS [01]
DA December 1, 1974
UF *Dirac Matrices*
BT1 Quantum Operators
BT2 Mathematical Operators
RT Dirac Equation
RT Quantum Electrodynamics

DIRECT COLLECTION CONVERTERS [01]
DA December 1, 1974
BT1 Direct Energy Converters
NT1 Betavoltaic Cells
RT Radioisotope Batteries

DIRECT CONTACT HEAT EXCHANGERS
DA December 22, 1977
BT1 Heat Exchangers

DIRECT CURRENT [01]
DA December 1, 1974
UF *Current (Direct)*
BT1 Electric Currents
BT2 Currents
RT Homopolar Generators

DIRECT CYCLE COOLING SYSTEMS [01]
DA December 1, 1974
BT1 Reactor Cooling Systems
BT2 Cooling Systems
BT3 Energy Systems
BT2 Reactor Components

→**DIRECT DRIVE LASER IMPLOSION [01]**
DA June 11, 1992
BT1 Laser Implosions
BT2 Implosions
RT Indirect Drive Laser Implosion
RT Laser Fusion Reactors
RT Laser-Produced Plasma
RT Laser-Radiation Heating
RT Laser Targets
RT Pulsed Fusion Reactors
DEF Laser implosion where the driver energy is directly absorbed by the target capsule.

DIRECT ENERGY CONVERSION [01]
DA December 1, 1974
BT1 Energy Conversion
BT2 Conversion
NT1 Photovoltaic Conversion
NT1 Thermionic Conversion
NT1 Thermoelectric Conversion
NT1 Thermomagnetic Conversion
NT1 Thermophotovoltaic Conversion
RT Direct Energy Converters
RT Electrohydrodynamics
RT Magnetohydrodynamics

DIRECT ENERGY CONVERTERS [01]
DA December 1, 1974
NT1 Direct Collection Converters
NT2 Betavoltaic Cells
NT1 EFD Wind Generators
NT1 EHD Generators
NT1 Ferroelectric Converters
NT1 Fuel Cells
NT2 Acid Electrolyte Fuel Cells
NT2 Alcohol Fuel Cells
NT2 Alkaline Electrolyte Fuel Cells
NT2 Ammonia Fuel Cells
NT2 Biochemical Fuel Cells
NT2 Coal Fuel Cells
NT2 Formaldehyde Fuel Cells
NT2 Formate Fuel Cells
NT2 Formic Acid Fuel Cells
NT2 High-Temperature Fuel Cells
NT3 Molten Carbonate Fuel Cells
NT2 Hydrazine Fuel Cells
NT2 Hydrocarbon Fuel Cells
NT2 Hydrogen Fuel Cells
NT2 Natural Gas Fuel Cells
NT2 Regenerative Fuel Cells
NT3 Redox Fuel Cells
NT2 Solid Electrolyte Fuel Cells
NT1 MHD Generators
NT2 Closed-Cycle MHD Generators
NT2 Coal-Fired MHD Generators
NT3 MHD Generator CDIF
NT3 MHD Generator CFFF
NT3 MHD Generator ETF
NT3 MHD Generator UTSI
NT2 Disk MHD Generators
NT2 Liquid-Metal MHD Generators
NT2 MHD Generator AEDC
NT2 MHD Generator AERL Mark VI
NT2 MHD Generator AERL Mark VII
NT2 MHD Generator ETL Mark V
NT2 MHD Generator U-02
NT2 MHD Generator U-25
NT2 Open-Cycle MHD Generators
NT2 Pulsed MHD Generators
NT1 Photoelectric Cells
NT2 Photoconductive Cells

NT2 Photovoltaic Cells
NT3 Solar Cells
NT4 Aluminium Arsenide Solar Cells
NT4 Back Contact Solar Cells
NT4 Cadmium Arsenide Solar Cells
NT4 Cadmium Selenide Solar Cells
NT4 Cadmium Sulfide Solar Cells
NT4 Cadmium Telluride Solar Cells
NT4 Cascade Solar Cells
NT4 Concentrator Solar Cells
NT4 Copper Oxide Solar Cells
NT4 Copper Selenide Solar Cells
NT4 Copper Sulfide Solar Cells
NT4 Gallium Arsenide Solar Cells
NT4 Gallium Phosphide Solar Cells
NT4 Indium Phosphide Solar Cells
NT4 Indium Selenide Solar Cells
NT4 MI Solar Cells
NT4 MIS Solar Cells
NT4 MOS Solar Cells
NT4 MS Solar Cells
NT4 Organic Solar Cells
NT4 PIS Solar Cells
NT4 PS Solar Cells
NT4 Schottky Barrier Solar Cells
NT4 Selenium Solar Cells
NT4 Silicon Arsenide Solar Cells
NT4 Silicon Solar Cells
NT5 SOC Solar Cells
NT4 Zinc Phosphide Solar Cells
NT4 Zinc Sulfide Solar Cells
NT1 Radioisotope Batteries
NT2 SNAP Batteries
NT3 SNAP 1 Battery
NT3 SNAP 3 Battery
NT3 SNAP 5 Battery
NT3 SNAP 7 Battery
NT3 SNAP 9 Battery
NT3 SNAP 11 Battery
NT3 SNAP 13 Battery
NT3 SNAP 15 Battery
NT3 SNAP 17 Battery
NT3 SNAP 19 Battery
NT3 SNAP 21 Battery
NT3 SNAP 23 Battery
NT3 SNAP 25 Battery
NT3 SNAP 27 Battery
NT3 SNAP 29 Battery
NT1 Thermionic Converters
NT1 Thermoelectric Generators
NT1 Thermoelectric Heaters
NT1 Thermoelectric Refrigerators
NT1 Thermophotovoltaic Converters
RT Direct Energy Conversion
RT Power Supplies

DIRECT GAIN SYSTEMS
(Prior to September 1980 HEAT GAIN was used to index this concept.)
DA September 4, 1980
BT1 Passive Solar Heating Systems
BT2 Solar Heating Systems
BT3 Heating Systems
BT4 Energy Systems
BT3 Solar Equipment
BT4 Equipment
RT Heat Gain

DIRECT REACTIONS [01]
DA December 1, 1974
BT1 Nuclear Reactions
NT1 Knock-On Reactions
NT1 Knock-Out Reactions
NT1 Quasi-Free Reactions
NT2 Quasi-Elastic Scattering
* NT1 Transfer Reactions
RT Oppenheimer-Phillips Process

DIRECT SOLAR RADIATION [01]
DA October 23, 1979
BT1 Solar Flux
BT1 Solar Radiation
BT2 Radiations
BT2 Stellar Radiation
RT Diffuse Solar Radiation
RT Insolation
RT Solar Access
DEF Solar radiation that has not been scattered or reflected in traversal of the atmosphere.

DIRECTED-ENERGY WEAPONS
DA August 21, 1981
UF *Particle-Beam Weapons*
BT1 Weapons
NT1 Laser Weapons
RT Ballistic Missile Defense
RT Charged Particles
RT Particle Beams
RT Space Weapons

Directional Correlation
DA December 1, 1974
USE Angular Correlation

DIRECTIONAL DRILLING [01]
DA April 12, 1977
BT1 Drilling
RT Enhanced Recovery
RT Geothermal Wells
RT Well Drilling
DEF Drilling at a deviated angle. The drilling usually starts out vertically and is then deflected gradually.

DIRECTIONAL RADIATION DETECTORS [01]
DA December 1, 1974
BT1 Radiation Detectors
BT2 Measuring Instruments

DIRECTORIES
DA October 23, 1978
BT1 Document Types
RT Catalogs

DIRICHLET PROBLEM [01]
DA December 1, 1974
BT1 Boundary-Value Problems
RT Differential Equations
RT Partial Differential Equations

Dirigibles
DA January 15, 1980
USE Airships

DISACCHARIDES [01]
DA December 1, 1974
BT1 Oligosaccharides
BT2 Saccharides
BT3 Carbohydrates
BT4 Organic Compounds
NT1 Cellobiose
NT1 Lactose
NT1 Maltose
NT1 Melibiose
NT1 Saccharose

DISADVANTAGE FACTOR [01]
DA December 1, 1974
RT Multiplication Factors
RT Neutron Flux

Disarmament
DA August 9, 1985
SEE Arms Control
OR Nuclear Disarmament

DISASTERS
DA June 14, 1978
NT1 Floods
NT1 Storms
NT2 Hurricanes
NT2 Monsoons
NT2 Tornadoes
NT1 Tsunamis
RT Explosions
RT Fires
RT Rain
RT Snow
RT Weather
RT Wind
DEF Large-scale drought, glacier movement, floods, fires, storms, etc.

DISBURSEMENTS
DA May 21, 1983
RT Administrative Procedures
RT Escrow Accounts
DEF Funds paid out, payments in settlement, or expenditures from a fund.

DISCALOY [01]
DA December 1, 1974
BT1 Aluminium Additions
BT2 Aluminium Alloys
BT3 Alloys
BT1 Carbon Additions
BT2 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Iron Base Alloys
BT2 Iron Alloys
BT3 Alloys
BT1 Manganese Additions
BT2 Manganese Alloys
BT3 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Nickel Alloys
BT2 Alloys
BT1 Silicon Additions
BT2 Silicon Alloys
BT3 Alloys
BT1 Titanium Alloys
BT2 Alloys

DISCHARGE CANALS
DA January 30, 1975
RT Auxiliary Water Systems

Discharges (Electric)
DA December 1, 1974
USE Electric Discharges

Discharges (Ionization)
DA December 1, 1974
USE Ionization

Discharges (Wastes)
DA December 1, 1974
USE Waste Disposal

Discharging (Reactor)
DA December 1, 1974
USE Reactor Fueling

Discount Rate
DA June 14, 1978
USE Interest Rate

DISCRETE ORDINATE METHOD [01]
DA December 1, 1974
UF *Carlson Method*
UF *Discrete Ordinates*
UF *SN Method*
BT1 Calculation Methods
RT Neutron Transport Theory

Discrete Ordinates
DA May 1, 1978
USE Discrete Ordinate Method

DISCRIMINATORS [01]
DA December 1, 1974
BT1 Electronic Circuits
NT1 Pulse Discriminators
RT Timing Circuits

Disease Free Period
DA April 9, 1985
USE Latency Period

DISEASE INCIDENCE [01]
DA June 16, 1981
UF *Morbidity*
RT Disease Resistance
RT Diseases
RT Epidemiology
RT Plant Diseases

DISEASE RESISTANCE [01]
DA December 1, 1974
RT Disease Incidence
RT Diseases

RT Mutants
RT Plant Breeding

DISEASE VECTORS [01]
DA December 1, 1974
RT Diseases
RT Glossina
RT Insects
RT Invertebrates
RT Mites
RT Parasites
RT Pathogens
RT Rodents
RT Snails

DISEASES [01]
(Limited to diseases of animals including man; see also PLANT DISEASES.)
DA December 1, 1974
NT1 Cardiovascular Diseases
NT2 Arteriosclerosis
NT2 Hypertension
NT2 Ischemia
NT2 Myocardial Infarction
NT2 Thrombosis
NT1 Congenital Diseases
NT2 Downs Syndrome
NT2 Xeroderma Pigmentosum
NT1 Digestive System Diseases
NT2 Enteritis
NT2 Hepatitis
NT3 Infectious Hepatitis
NT2 Liver Cirrhosis
NT2 Peritonitis
NT2 Proctitis
NT1 Endocrine Diseases
NT2 Acromegaly
NT2 Cushing Syndrome
NT2 Diabetes Mellitus
NT2 Goiter
NT2 Hyperparathyroidism
NT2 Hyperthyroidism
NT2 Hypothyroidism
NT2 Thyroiditis
NT1 Hemic Diseases
NT2 Anemias
NT3 Ischemia
NT3 Megaloblastic Anemia
NT3 Sickle Cell Anemia
NT3 Thalassemia
NT2 Hemophilia
NT2 Leukopenia
NT3 Lymphopenia
NT2 Polycythemia
NT2 Purpura
NT1 Hereditary Diseases
NT2 Downs Syndrome
NT2 Hemophilia
NT2 Xeroderma Pigmentosum
NT1 Immune System Diseases
NT2 AIDS
NT2 Leukemia
NT3 Myeloid Leukemia
NT2 Leukopenia
NT3 Lymphopenia
NT2 Lupus
NT2 Lymphomas
NT3 Hodgkins Disease
NT3 Lymphosarcomas
NT1 Infectious Diseases
NT2 Bacterial Diseases
NT3 Cholera
NT3 Diphtheria
NT3 Gonorrhea
NT3 Leprosy
NT3 Paratyphoid
NT3 Syphilis
NT3 Tetanus
NT3 Tuberculosis
NT3 Typhoid
NT2 Fungal Diseases
NT3 Mycoses
NT3 Tinea
NT2 Parasitic Diseases
NT3 Fascioliasis
NT3 Filariasis
NT3 Hydatidosis
NT3 Malaria
NT3 Schistosomiasis
NT3 Trichinosis
NT3 Trypanosomiasis
NT2 Rickettsial Diseases
NT3 Typhus
NT2 Viral Diseases
NT3 AIDS
NT3 Encephalitis
NT3 Herpes Simplex
NT3 Herpes Zoster
NT3 Infectious Hepatitis
NT3 Influenza
NT3 Measles
NT3 Newcastle Disease
NT3 Poliomyelitis
NT3 Rabies
NT1 Metabolic Diseases
NT2 Diabetes Mellitus
NT2 Glycosuria
NT2 Rickets
NT1 Neoplasms
NT2 Carcinomas
NT3 Adenomas
NT3 Angiomas
NT3 Epitheliomas
NT4 Melanomas
NT3 Hepatomas
NT2 Gliomas
NT3 Astrocytomas
NT2 Granulomas
NT2 Leukemia
NT3 Myeloid Leukemia
NT2 Lymphomas
NT3 Hodgkins Disease
NT3 Lymphosarcomas
NT2 Sarcomas
NT3 Fibrosarcomas
NT3 Lymphosarcomas
NT3 Myosarcomas
NT4 Rhabdomyosarcomas
NT3 Osteosarcomas
NT1 Nervous System Diseases
NT2 Encephalitis
NT2 Epilepsy
NT2 Herpes Zoster
NT2 Myelitis
NT3 Poliomyelitis
NT2 Rabies
NT1 Occupational Diseases
NT1 Respiratory System Diseases
NT2 Asthma
NT2 Bronchitis
NT2 Emphysema
NT2 Pneumoconioses
NT3 Berylliosis
NT2 Pneumonia
NT3 Bronchopneumonia
NT1 Sense Organs Diseases
NT2 Cataracts
NT2 Conjunctivitis
NT1 Skeletal Diseases
NT2 Osteomyelitis
NT2 Osteoporosis
NT2 Osteoradionecrosis
NT2 Osteosarcomas
NT2 Rheumatic Diseases
NT3 Spondylitis
NT2 Rickets
NT1 Skin Diseases
NT2 Dermatitis
NT3 Radiodermatitis
NT2 Eczema
NT2 Herpes Simplex
NT2 Psoriasis
NT2 Telangiectasis
NT2 Xeroderma Pigmentosum
NT1 Urogenital System Diseases
NT2 Glycosuria
NT2 Gonorrhea
NT2 Nephritis
NT2 Nephrosclerosis
NT1 Vascular Diseases
NT2 Arteriosclerosis
NT2 Gas Bubble Disease
NT2 Hypertension
NT2 Ischemia
NT2 Nephrosclerosis
NT2 Telangiectasis
NT2 Thrombosis
RT Disease Incidence
RT Disease Resistance
RT Disease Vectors
RT Epidemiology
RT Etiology
RT Injuries
RT Medicine
RT Pathogenesis
RT Pathogens
RT Pathological Changes
RT Pathology
RT Quarantine
RT Symptoms

DISHWASHERS [01]
DA January 28, 1977
BT1 Appliances
BT2 Equipment
RT Cleaning
RT Electric Appliances
RT Gas Appliances

DISINFECTANTS [01]
DA October 1, 1975
BT1 Germicides
RT Antiseptics
RT Bacteria
RT Drugs
RT Infectivity
RT Pesticides

DISINFESTATION [01]
DA December 1, 1974
NT1 Grain Disinfestation
NT1 Radiodisinfestation
RT Pesticides
RT Preservation
RT Sterilization

Disintegration (Biological)
DA December 1, 1974
USE Decomposition

Disintegration (Chemical)
DA December 1, 1974
USE Decomposition

Disintegration (Fission)
DA December 1, 1974
USE Fission

Disintegration (Nuclear)
DA December 1, 1974
USE Decay

Disintegration (Nuclear Particle)
DA December 1, 1974
USE Annihilation

DISK MHD GENERATORS [01]
DA May 3, 1979
UF *Radial Flow MHD Generators*
BT1 MHD Generators
BT2 Direct Energy Converters

Disks (Magnetic)
DA December 1, 1974
USE Magnetic Disks

DISLOCATION PINNING [01]
DA December 1, 1974
RT Cold Working
RT Dislocations
RT Grain Boundaries

DISLOCATIONS [01]
DA December 1, 1974
BT1 Line Defects
BT2 Crystal Defects
BT3 Crystal Structure
NT1 Edge Dislocations
NT1 Frank-Read Source
NT1 Screw Dislocations
RT Bordoni Peak
RT Burgers Vector
RT Dislocation Pinning
RT Kikuchi Lines
RT Peierls-Nabarro Force
RT Slip
RT Stacking Faults
RT Superdislocations

Dismantling (Fuel Assembly)
DA December 1, 1974
USE Fuel Assembly Dismantling

Dismantling (Reactor)
DA December 1, 1974
USE Reactor Dismantling

Dispersal (Insect)
DA December 1, 1974
USE Insect Dispersal

Dispersants (Chemical)
DA July 24, 1979
USE Surfactants

Disperse Systems
DA December 1, 1974
USE Dispersions

DISPERSED STORAGE AND GENERATION
DA March 4, 1980
RT Electric Power
RT Electric Utilities
RT Energy Storage
RT Load Management
RT On-Site Power Generation
RT Power Generation
RT Power Systems

DISPERSION HARDENING [01]
DA December 1, 1974
BT1 Hardening

DISPERSION NUCLEAR FUELS [01]
DA December 1, 1974
BT1 Nuclear Fuels
BT2 Energy Sources
BT2 Fuels
BT2 Reactor Materials
BT3 Materials
BT1 Solid Fuels
BT2 Fuels
RT Fuel Dispersion Reactors
RT Fuel Particles
DEF A dispersion of nuclear fuel particles in a solid.

DISPERSION RELATIONS [01]
(For dispersion of light use OPTICAL DISPERSION.)
DA December 1, 1974
UF *Dispersion Theory*
UF *Fracer-Fulco Method*
RT CDD Poles
RT Mandelstam Representation
RT N-D Method
RT Partial Waves
RT Plasma Instability
RT Plasma Waves
RT Quantum Field Theory
RT Scattering
RT Scattering Amplitudes
RT Spectral Functions

Dispersion Theory
DA December 1, 1974
USE Dispersion Relations

DISPERSIONS [01]
(For the state of aggregation in materials; if related to wave phenomena see DISPERSION RELATIONS or OPTICAL DISPERSION.)
DA December 1, 1974
UF *Disperse Systems*
NT1 Colloids
NT2 Agar
NT2 Alginic Acid
NT2 Emulsions
NT3 Microemulsions
NT3 Photographic Emulsions
NT2 Foams
NT3 Plastic Foams
NT3 Urea-Formaldehyde Foams
NT2 Gelatin
NT2 Gels
NT3 Hydrophylic Polymers
NT2 Radiocolloids
NT3 Thorotrast
NT2 Sols
NT3 Aerosols
NT4 Radioactive Aerosols
NT4 Smokes
NT5 Tobacco Smokes
NT1 Mixtures
NT2 Binary Mixtures
NT2 Homogeneous Mixtures
NT2 Mixed Solvents
NT2 Slurries
NT3 Fuel Slurries
NT2 Solutions
NT3 Aqueous Solutions
NT3 Fuel Solutions
NT3 Hypertonic Solutions
NT3 Isotonic Solutions
NT3 Leachates
NT3 Process Solutions
NT3 Solid Solutions
NT1 Suspensions
NT2 Slurries
NT3 Fuel Slurries
NT1 TD-Nickel
NT1 TD-Nickel Chromium
RT Dusts
RT Elutriation
RT Gases
RT Liquids
RT Microspheres
RT Particle Resuspension
RT Particle Size
RT Particles
RT Particulates
RT Solids
RT Sprays
RT Total Suspended Particulates

Dispersive Ion Waves
DA December 1, 1974
USE Ion Plasma Waves

DISPLACEMENT FLUIDS
DA November 9, 1983
UF *Flooding Fluids*
UF *Injection Fluids*
BT1 Fluids
RT Enhanced Recovery
RT Fluid Injection
RT Well Stimulation

DISPLACEMENT GAGES [01]
DA December 1, 1974
UF *Position Indicators*
BT1 Measuring Instruments

DISPLACEMENT RATES
DA September 26, 1979
UF *DPA*
RT Fluid Flow
RT Seismology

DISPLAY DEVICES [01]
DA December 1, 1974
UF *Data Display Devices*
UF *Data Display Systems*
BT1 Computer-Graphics Devices
BT2 Computer Output Devices
NT1 Interactive Display Devices
RT Cathode Ray Tubes
RT Computer Graphics
RT Consoles
RT Control Rooms
RT Electronic Equipment
RT Image Tubes
RT Images
RT Man-Machine Systems
RT Pattern Recognition
RT Plotters
RT Semiconductor Devices

DISPOSABLE INCOME
DA March 17, 1981
BT1 Income
RT Income Distribution
RT Standard of Living

Disposal (Wastes)
DA December 1, 1974
USE Waste Disposal

DISPOSAL WELLS [01]
DA May 23, 1984
BT1 Wells
RT Brines
RT Radioactive Waste Disposal
RT Underground Disposal

Disproportionation
DA December 1, 1974
USE Oxidation
AND Reduction

→**DISPUTE SETTLEMENTS [01]**
DA November 1, 1993
RT Arbitration
RT Courts
RT Hearings
RT Lawsuits

DISSIPATION FACTOR [01]
DA December 1, 1974
RT Energy Losses
RT Heat Losses

DISSOCIATING GASES [01]
DA March 11, 1976
BT1 Gases
BT2 Fluids
RT Dissociation

DISSOCIATION [01]
DA December 1, 1974
NT1 Predissociation
RT Decomposition
RT Dissociating Gases
RT Dissociation Energy
RT Dissociation Heat
RT Electrolysis
RT Electrolytes
RT Ionization
RT Photolysis
RT Pyrolysis
RT Radiolysis
RT Reaction Kinetics

DISSOCIATION ENERGY [01]
(For the bond property only; for the reaction property see DISSOCIATION HEAT.)
DA December 1, 1974
UF *Energy of Dissociation*
BT1 Energy
RT Dissociation
RT Formation Heat
RT Molecular Structure

DISSOCIATION HEAT [01]
DA December 1, 1974
UF *Heat of Dissociation*
BT1 Reaction Heat
BT2 Enthalpy
BT3 Thermodynamic Properties
BT4 Physical Properties
RT Dissociation
RT Formation Heat
RT Thermochemical Heat Storage

DISSOLUTION [01]
DA December 1, 1974
NT1 Leaching
NT2 Microbial Leaching
RT Dissolvers
RT Solubility
RT Solutes
RT Solutions
RT Solvent Extraction
RT Solvent Properties
RT Solvents

DISSOLVED GASES [01]
DA September 22, 1980
UF+ *Dissolved Oxygen*
BT1 Gases
BT2 Fluids
BT1 Solutes
RT Anaerobic Conditions
RT Biochemical Oxygen Demand
RT Partial Pressure
RT Water Chemistry
RT Water Pollution

Dissolved Materials
DA March 10, 1982
USE Solutes

Dissolved Oxygen
DA September 22, 1980
USE Dissolved Gases
AND Oxygen

DISSOLVERS [01]
DA January 23, 1976
BT1 Equipment
RT Dissolution

DISTANCE [01]
DA December 1, 1974
NT1 Elementary Length
NT1 Interaction Range
NT1 Interatomic Distances
RT Automation
RT Dimensions
RT Manipulators
RT Radiation Protection
RT Range
RT Remote Handling
RT Shielding
RT Thickness

Distillate Fuel
DA March 11, 1976
USE Heating Oils

Distillate Fuel Oil
DA March 11, 1976
USE Heating Oils

DISTILLATES [01]
DA April 8, 1975
NT1 Naphtha
NT2 Ligroin
NT1 Petroleum Distillates
NT2 Gas Oils
NT3 Diesel Fuels
NT3 Heating Oils
NT3 Kerosene
RT Distillation
RT Oils
RT Vapors

DISTILLATION [01]
DA December 1, 1974
BT1 Separation Processes
NT1 Destructive Distillation
NT1 Vacuum Distillation
RT Azeotrope
RT Chloride Volatility Process
RT Demineralization
RT Desalination
RT Distillates
RT Distillation Equipment
RT Evaporation
RT Evaporators
RT Flash Heating
RT Fluoride Volatility Process
RT Fractionation
RT Petroleum
RT Petroleum Refineries
RT Stillage
RT Volatility

DISTILLATION EQUIPMENT [01]
DA September 28, 1976
BT1 Equipment
NT1 Retorts
NT2 Pumpherston Retort
RT Distillation
RT Petroleum Refineries

DISTILLERS DRIED GRAINS
DA August 4, 1981
UF *DDG*
RT Animal Feeds
RT By-Products
RT Fermentation
RT Stillage
DEF Residue produced by drying the solid portion of the mash obtained after alcoholic fermentation prior to distillation.

Distorted Wave Born Approximation
DA December 1, 1974
USE DWBA

DISTORTED WAVE THEORY [01]
DA December 1, 1974
RT DWBA
RT Nuclear Reaction Kinetics

DISTRIBUTED COLLECTOR POWER PLANTS [01]
DA September 11, 1978
BT1 Solar Thermal Power Plants
BT2 Solar Power Plants
BT3 Power Plants
BT2 Thermal Power Plants
BT3 Power Plants
RT MSSTF

DISTRIBUTED DATA PROCESSING [01]
DA October 27, 1980
BT1 Data Processing
BT2 Processing
RT Information Systems

DISTRIBUTION [01]
(For energy distribution use ENERGY SPECTRA.)
DA December 1, 1974
UF+ *Inclusive Distribution*
NT1 Angular Distribution
NT1 Spatial Distribution
NT2 Mass Distribution
NT1 Subcellular Distribution
NT1 Tissue Distribution
RT Allocations
RT Anisotropy
RT Asymmetry
RT Boltzmann Statistics
RT Gauss Function
RT Gaussian Processes
RT Isotropy
RT Particle Kinematics
RT Symmetry

Distribution Factor (Rad Doses)
DA December 1, 1974
USE Spatial Dose Distributions

DISTRIBUTION FUNCTIONS [01]
DA December 1, 1974
BT1 Functions
RT Ion Exchange
RT Ion Exchange Chromatography
RT Plasma
RT Solvent Extraction

DISTRICT COOLING [01]
DA November 11, 1975
BT1 Cooling
RT Central Heating Plants

DISTRICT HEATING [01]
DA January 20, 1975
BT1 Heating
NT1 Geothermal District Heating
NT1 Solar District Heating
RT Boilers
RT Central Heating Plants
RT Cogeneration
RT DEUS
RT Dual-Purpose Power Plants
RT Geothermal Heating Systems
RT Heat Distribution Systems
RT Heating Systems
RT Hot Water
RT Slowpoke-WNRE Reactor
RT Steam Generation Plants
RT Thermal Transmission ICES

District of Columbia
DA September 11, 1978
USE Washington DC

DISTURBANCES [01]
DA December 1, 1974
UF *Perturbations*
NT1 Sudden Ionospheric Disturbance
NT1 Travelling Ionospheric Disturbance
RT Ionospheric Effects
RT Magnetic Bays
RT Magnetic Storms
RT Oscillations
RT Pulsations
RT Variations

DISULFIDES [01]
DA December 1, 1974
BT1 Organic Sulfur Compounds
BT2 Organic Compounds
NT1 Cystine
NT1 Thioctic Acid

Disulfodiphenylpicrylhydrazyl
DA December 1, 1974
USE SDPPH

Disused Mineshafts
DA May 1, 1978
USE Abandoned Shafts

DITE TOKAMAK [01]
DA August 4, 1981
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

DITHIOLS [01]
DA December 1, 1974
UF *1,2-Ethanedithiol*
UF *Dimercaptoethane*
BT1 Reagents
BT1 Thiols
BT2 Organic Sulfur Compounds
BT3 Organic Compounds
NT1 BAL
NT1 Unithiol

DITHIZONE [01]
DA December 1, 1974
UF *Diphenylthiocarbazone*
BT1 Carbazones
BT2 Carbonic Acid Derivatives
BT3 Organic Compounds
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
BT1 Chelating Agents
BT1 Organic Sulfur Compounds
BT2 Organic Compounds
BT1 Reagents

DIURETICS [01]
DA December 1, 1974
BT1 Drugs
NT1 Chlorothiazide
NT1 Neohydrin
NT1 Sorbitol
RT Antihypertensive Agents
RT Edema
RT Kidneys
RT Urine
RT Urogenital System Diseases

Diurnal Variation
DA December 1, 1974
USE Daily Variations

DIVA Tokamak
DA August 4, 1981
USE JFT-2A Tokamak

Divergences (Infrared)
DA June 30, 1975
USE Infrared Divergences

Divergences (Ultraviolet)
DA June 30, 1975
USE Ultraviolet Divergences

DIVERSIFICATION
DA March 29, 1980
RT Economy
RT Investment
RT Technology Impacts

DIVERTORS [01]
DA December 1, 1974
NT1 Bundle Divertors
NT1 Poloidal Field Divertors
NT1 Toroidal Field Divertors
RT H-Mode Plasma Confinement
RT Plasma Impurities
RT Thermonuclear Reactors

DIVING OPERATIONS [01]
DA March 11, 1976
BT1 Underwater Operations
RT Life Support Systems
RT Offshore Operations
RT Underwater Facilities

DIVINYLBENZENE [01]
DA July 18, 1979
BT1 Aromatics
BT2 Organic Compounds

Djakarta IRT-2000 Reactor
DA December 1, 1974
USE IRT-2000 Djakarta Reactor

DJALMAITE [01]
DA December 1, 1974
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials

DJIBOUTI [01]
(Formerly AFARS AND ISSAS. Material published before 1981 would be so indexed.)
DA January 30, 1981
BT1 Africa
BT1 Arab Countries
NT1 Afars and Issas

DLTS
DA April 28, 1983
USE Deep Level Transient Spectroscopy

DMBA
DA July 18, 1979
USE Dimethylbenzanthracene

DME [01]
DA December 1, 1974
UF *1,2-Dimethoxyethane*
BT1 Ethers
BT2 Organic Oxygen Compounds
BT3 Organic Compounds
RT Organic Solvents

DMSO [01]
DA December 1, 1974
UF *Dimethyl Sulfoxide*
BT1 Sulfoxides
BT2 Organic Sulfur Compounds
BT3 Organic Compounds

DMTR REACTOR [01]
DA December 1, 1974
UF *Dounreay Materials Testing Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Heavy Water Cooled Reactors
BT2 Reactors
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Materials Testing Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

DNA [01]
DA December 1, 1974
UF *Deoxypentose Nucleic Acid*
UF *Deoxyribonucleic Acid*
UF *Desoxyribonucleic Acid*
BT1 Nucleic Acids
BT2 Organic Compounds
NT1 Recombinant DNA
RT Chromosomes
RT DNA Adducts
RT DNA Polymerases
RT DNA Repair
RT DNA Replication
RT DNA Sequencing
RT DNA-ase
RT DNA-Cloning
RT Feulgen Method
RT Helical Configuration
RT Host-Cell Reactivation
RT Nucleosomes
RT Strand Breaks

DNA ADDUCTS [01]
DA November 9, 1983
BT1 Adducts
RT Carcinogenesis
RT Carcinogens
RT Chemical Bonds
RT DNA
RT Metabolism
RT Mutagenesis

DNA-ASE [01]
(Code number 3.1.4.5.)
DA December 1, 1974
UF *Deoxyribonuclease*
UF *Nuclease (Deoxyribonuclease)*
BT1 Phosphodiesterases
BT2 Esterases
BT3 Hydrolases
BT4 Enzymes
BT5 Proteins
BT6 Organic Compounds
NT1 Endonucleases
RT DNA
RT Nucleoproteins

DNA BASE TRANSITIONS
DA December 17, 1987
RT DNA Repair
RT Mutations
DEF Changes in the genetic message of an organism by substitution of (usually) one nucleotide for another.

DNA-CLONING [01]
DA November 10, 1977
BT1 Cloning
BT1 DNA Hybridization
BT2 Hybridization
RT Cosmids
RT DNA
RT DNA Replication
RT Oligonucleotides
RT Transposons

DNA HELICASES [01]
DA June 29, 1984
BT1 Enzymes
BT2 Proteins
BT3 Organic Compounds
RT DNA Repair
DEF An enzyme which unwinds segments of damaged DNA in preparation for DNA repair.

DNA HYBRIDIZATION [01]
DA October 27, 1988
BT1 Hybridization
NT1 DNA-Cloning
RT Genetic Mapping
RT Hybridomas
RT Messenger-RNA
RT Oligonucleotides
RT Recombinant DNA

DNA METHYLASES [01]
DA April 15, 1988
BT1 Lyases
BT2 Enzymes
BT3 Proteins
BT4 Organic Compounds
RT Endonucleases
RT Methyl Transferases
RT Nucleoproteins

DNA MISMATCH
DA June 29, 1984
RT DNA Replication
RT Gene Recombination
RT Mutations
DEF DNA containing mismatched base pairs can be formed as a result of DNA exchange between non-identical sequences or as a result of errors in DNA replication.

DNA POLYMERASES [01]
DA January 27, 1984
BT1 Polymerases
BT2 Nucleotidyltransferases
BT3 Phosphorus-Group Transferases
BT4 Transferases
BT5 Enzymes
BT6 Proteins
BT7 Organic Compounds
RT Biological Repair
RT DNA
RT DNA Replication
RT Nucleoproteins
RT RNA Polymerases
RT Transcription

DNA REPAIR [01]
DA May 9, 1984
BT1 Biological Repair
BT2 Biological Recovery
BT2 Repair
NT1 Excision Repair
RT Chromosomes
RT DNA
RT DNA Base Transitions
RT DNA Helicases
RT Endonucleases
RT Gene Recombination Proteins
RT Methyl Transferases
RT Pyrimidine Dimers
RT Strand Breaks

DNA REPLICATION [01]
DA December 1, 1974
BT1 Nucleic Acid Replication
RT Cell Cycle
RT DNA
RT DNA Mismatch
RT DNA Polymerases
RT DNA-Cloning
RT Transcription

DNA SEQUENCING [01]
DA January 27, 1984
BT1 Structural Chemical Analysis
RT DNA
RT Molecular Biology
RT Molecular Structure
RT Nucleotides
DEF The chemical determination of the sequence of the nucleotides in a strand of DNA.

DNB
DA December 1, 1974
USE Departure Nucleate Boiling

→**DNIEPER RIVER [01]**
DA June 22, 1992
BT1 Rivers
BT2 Streams
BT3 Surface Waters
RT Black Sea
RT Pripet River
RT Ukraine

DNP
DA December 1, 1974
USE Dinitrophenol

DOCA [01]
DA December 1, 1974
UF *Desoxycorticosterone Acetate*
BT1 Mineralocorticoids
BT2 Corticosteroids
BT3 Adrenal Hormones
BT4 Hormones
BT3 Hydroxy Compounds
BT4 Organic Compounds
BT3 Ketones
BT4 Organic Compounds
BT3 Pregnanes
BT4 Steroids
BT5 Organic Compounds
BT3 Steroid Hormones
BT4 Hormones

DOCUMENT DESTRUCTION
DA March 23, 1983
RT Legal Aspects
RT Security

Document Retrieval
DA December 1, 1974
USE Information Retrieval

DOCUMENT TYPES [01]
DA December 1, 1974
SF *Technical Writing*
NT1 Abstracts
NT2 Leading Abstract
NT1 Bibliographies

NT1 Catalogs
NT1 Data Forms
NT1 Dictionaries
NT1 Directories
NT1 Environmental Impact Statements
NT1 Hearings
NT1 Indexes
NT1 Lectures
NT1 Manuals
NT1 Patents
NT1 Proceedings
NT1 Progress Report
NT1 Regulatory Guides
NT1 Reviews
RT Safety Reports

DOCUMENTATION [01]
DA December 1, 1974
RT Data Compilation
RT Information Retrieval
RT Information Systems
RT Privacy Act
DEF The assembling, coding, and disseminating of recorded knowledge.

DODECANE [01]
DA December 1, 1974
BT1 Alkanes
BT2 Hydrocarbons
BT3 Organic Compounds

DODECANOIC ACID [01]
DA December 1, 1974
UF *Lauric Acid*
BT1 Monocarboxylic Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds

DODECYL RADICALS [01]
DA December 1, 1974
UF *Lauryl Radicals*
BT1 Alkyl Radicals
BT2 Radicals

DODEWAARD REACTOR [01]
(Dodewaard, Gelderland, Netherlands)
DA December 1, 1974
UF *GKN Reactor (Dodewaard)*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

DOEL-1 REACTOR [01]
(Doel Beveren, Flandre, Belgium)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

DOEL-2 REACTOR [01]
(Doel Beveren, Flandre, Belgium)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

DOEL-3 REACTOR [01]
(Doel Beveren, Flandre, Belgium)
DA November 10, 1977
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

DOEL-4 REACTOR [01]
(Doel Beveren, Flandre, Belgium.)
DA June 13, 1981
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

DOGS [01]
DA December 1, 1974
UF *Canines*
UF *Mongrels*
BT1 Mammals
BT2 Vertebrates
BT3 Animals
NT1 Beagles
RT Foxes
RT Wolves

Dolantal
DA May 15, 1975
USE Pethidine

DOLLARS [01]
DA December 1, 1974
BT1 Reactivity Units
BT2 Units

DOLOMITE [01]
DA December 1, 1974
UF *Bitter Spar*
SF *Pearl Spar*
BT1 Carbonate Minerals
BT2 Minerals
RT Calcite
RT Calcium Carbonates
RT Limestone
RT Magnesium Carbonates
DEF A common rock-forming rhombohedral mineral: $CaMg(CO_3)_2$.

Dolphins
DA June 15, 1981
USE Cetaceans

DOMAIN STRUCTURE [01]
DA December 1, 1974
NT1 Bloch Wall
NT1 Landau Domain Structure
RT Magnetic Properties

DOMED STRUCTURES [01]
DA May 6, 1980
UF *Domes (Structures)*
BT1 Mechanical Structures
RT Buildings
RT Shells

Domes (Structures)
DA May 6, 1980
USE Domed Structures

DOMESTIC ANIMALS [01]
DA December 1, 1974
UF *Farm Animals*
UF *Livestock*
BT1 Animals
NT1 Cattle
NT2 Calves
NT2 Cows
NT1 Goats
NT1 Sheep
NT1 Swine
NT2 Miniature Swine
RT Agriculture
RT Animal Breeding
RT Buffalo
RT Camels
RT Grazing
RT Rangelands
RT Rearing
RT Screwworm Fly

Domestic Crude Oil Entitlements Program
DA March 28, 1979
USE Entitlements Program

DOMESTIC SAFEGUARDS [01]
DA December 1, 1974
BT1 Safeguards

DOMESTIC SUPPLIES [01]
DA December 11, 1978
RT Availability
RT Exports
RT Imports
RT Market
RT Supply and Demand

Domestic Wastes
DA July 23, 1980
USE Municipal Wastes

DOMINANT MUTATIONS [01]
DA December 1, 1974
BT1 Mutations

DOMINIC PROJECT [01]
DA December 1, 1974
UF *Project (Dominic)*
BT1 Nuclear Explosions
BT2 Explosions
NT1 Starfish Event
NT1 Swordfish Event
RT Atmospheric Explosions
RT Underwater Explosions

DOMINICAN REPUBLIC [01]
DA December 1, 1974
BT1 Developing Countries
BT1 Hispaniola
BT2 Greater Antilles
BT3 West Indies
BT4 Islands
BT1 Latin America

Donald C. Cook-1 Reactor
DA December 1, 1974
USE Cook-1 Reactor

Donald C. Cook-2 Reactor
DA December 1, 1974
USE Cook-2 Reactor

Donkeys
DA April 5, 1978
USE Burros

DONNAN THEORY [01]
DA December 1, 1974
RT Diffusion
RT Electrolytes
RT Osmosis

DOORS [01]
DA December 1, 1974
BT1 Openings
NT1 Storm Doors
RT Air Curtains
RT Buildings

DOPA [01]
DA December 1, 1974
UF *3,4-Dihydroxyphenylalanine*
BT1 Amino Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT1 Hydroxy Acids
BT2 Carboxylic Acids

BT3 Organic Acids
BT4 Organic Compounds
BT1 Neuroregulators
BT2 Autonomic Nervous System Agents
BT3 Drugs
RT Dopamine
RT Phenylalanine

DOPAMINE [01]
DA December 1, 1974
BT1 Amines
BT2 Organic Compounds
BT1 Cardiotonics
BT2 Cardiovascular Agents
BT3 Drugs
BT1 Neuroregulators
BT2 Autonomic Nervous System Agents
BT3 Drugs
BT1 Polyphenols
BT2 Phenols
BT3 Aromatics
BT4 Organic Compounds
BT3 Hydroxy Compounds
BT4 Organic Compounds
BT1 Sympathomimetics
BT2 Autonomic Nervous System Agents
BT3 Drugs
RT DOPA
RT Pyrocatechol
RT Spiperone

DOPED MATERIALS [01]
DA December 1, 1974
UF *Materials (Doped)*
BT1 Materials
RT Crystal Doping
RT Fluorine Additions
RT Ion Implantation
RT Semiconductor Materials
RT Trace Amounts

Doping (Crystal)
DA December 1, 1974
USE Crystal Doping

DOPPLER BROADENING [01]
DA December 1, 1974
BT1 Line Broadening
RT Doppler Coefficient
RT Doppler Effect

DOPPLER COEFFICIENT [01]
DA December 1, 1974
BT1 Reactivity Coefficients
RT Doppler Broadening
RT Temperature Coefficient

DOPPLER EFFECT [01]
DA December 1, 1974
NT1 DSA Method
RT Doppler Broadening
RT Einstein Effect
RT Red Shift
RT Spectral Shift

Doppler Shift Attenuation Method
DA January 24, 1980
USE DSA Method

DOPPLERONS
DA January 20, 1975
BT1 Quasi Particles

DORIS STORAGE RING [01]
DA December 1, 1974
BT1 Storage Rings

Dormitories
DA January 9, 1981
USE Residential Buildings

DOSE COMMITMENTS [01]
DA December 1, 1974
RT Delayed Radiation Effects
RT Internal Irradiation
RT Life Span
RT Medical Surveillance
RT Radiation Doses
RT Radionuclide Kinetics

Dose Distributions
DA December 1, 1974
USE Radiation Dose Distributions

DOSE EQUIVALENTS [01]
DA December 1, 1974
UF+ *Rem*
UF+ *Roentgen Equivalent Man*
RT LET
RT Quality Factor
RT Radiation Doses
RT Tissue-Equivalent Detectors

Dose Fractionation
DA December 1, 1974
USE Fractionated Irradiation

DOSE LIMITS [01]
DA December 1, 1974
BT1 Safety Standards
BT2 Standards
RT Maximum Permissible Dose
RT Radiation Doses
RT UNSCEAR

DOSE RATEMETERS [01]
DA December 1, 1974
UF *Ratemeters (Dose)*
RT Dosimetry

DOSE RATES [01]
DA December 1, 1974
RT Low Dose Irradiation
RT Pulsed Irradiation
RT Radiation Doses
RT Radiation Effects
RT Temporal Dose Distributions

Dose Reduction Factor
DA May 10, 1984
USE Efficiency
AND Radioprotective Substances

Dose Relative Factor
DA May 10, 1984
USE Efficiency
AND Radioprotective Substances

DOSE-RESPONSE RELATIONSHIPS [01]
DA December 1, 1974
RT Acute Exposure
RT Biological Effects
RT Biological Indicators
RT Fractionated Irradiation
RT Genetically Significant Dose
RT Lethal Irradiation
RT Low Dose Irradiation
RT Radiation Dose Distributions
RT Radiation Doses
RT Radiation Effects
RT Radiosensitivity
RT Sublethal Irradiation
RT Supralethal Irradiation
RT Survival Curves
RT Toxicity

DOSEMETERS [01]
DA December 1, 1974
UF *Dosimeters*
UF *Radiation Dosemeters*
BT1 Measuring Instruments
NT1 Albedo-Neutron Dosemeters
NT1 Biological Dosemeters
NT1 Bragg Gray Chambers
NT1 Calorimetric Dosemeters
NT1 Chemical Dosemeters
NT1 Colorimetric Dosemeters
NT1 Condenser Ionization Chambers
NT1 Exoelectron Dosemeters
NT1 Extrapolation Chambers
NT1 Luminescent Dosemeters
NT2 RPL Dosemeters
NT2 Thermoluminescent Dosemeters
NT1 Photographic Film Dosemeters
NT1 RITAC Dosemeters
NT1 RITAD Dosemeters
RT Dosimetry
RT Radiation Detection
RT Radiation Detectors
RT Radiation Doses
RT Radiation Monitoring
RT Radiation Monitors
RT Scintillation Counters
RT Semiconductor Detectors

DOSES
DA April 19, 1976
NT1 Lethal Doses
NT2 Lethal Radiation Dose
NT1 Radiation Doses
NT2 Genetically Significant Dose
NT2 Integral Doses
NT2 Lethal Radiation Dose
NT2 Somatically Significant Dose
NT2 Threshold Dose

Dosimeters
DA December 1, 1974
USE Dosemeters

DOSIMETRY [01]
DA December 1, 1974
UF *Radiation Dosimetry*
NT1 Alpha Dosimetry
NT1 Beta Dosimetry
NT1 Electron Dosimetry
NT1 Film Dosimetry
NT1 Gamma Dosimetry
NT1 Ion Dosimetry
NT1 Microdosimetry
NT1 Neutron Dosimetry
NT1 Personnel Dosimetry
NT1 Pion Dosimetry
NT1 Proton Dosimetry
NT1 Thermoluminescent Dosimetry
NT1 X-Ray Dosimetry
RT Dose Ratemeters
RT Dosemeters
RT ICRU
RT Lyoluminescence
RT Measuring Methods
RT Radiation Detection
RT Radiation Dose Units
RT Radiation Doses
RT Radiation Monitoring
RT Radiation Protection
RT Radiations
RT SSDL

DOUBLE BETA DECAY [01]
DA July 20, 1983
BT1 Beta-Minus Decay
BT2 Beta Decay
BT3 Nuclear Decay
BT4 Decay
DEF Decay (A,Z-) yields (A,Z-+2) and related reactions.

DOUBLE BONDS [01]
DA December 1, 1974
BT1 Chemical Bonds
RT Binding Energy

DOUBLE ENVELOPE BUILDINGS [01]
DA June 13, 1981
UF *Convective Loop Houses*
UF *Double Shell Houses*
UF *Double Wall Houses*
UF *Envelope Houses*
UF *Thermal Envelope Houses*
BT1 Buildings
RT Passive Solar Heating Systems

Double Focusing Spectrometers
DA December 1, 1974
USE Flat Magnetic Spectrometers

DOUBLE GLAZING
DA March 23, 1983
UF *Thermal Insulating Glass*
BT1 Glazing
BT2 Coverings
RT Glass
RT Glazing Materials
RT Windows
DEF Two layers of glass or other material used on windows or solar collectors to reduce heat loss. The still air in the space between the windows acts as a good insulator.

DOUBLE LABELLING [01]
DA December 1, 1974
BT1 Labelling
RT Labelled Compounds

DOUBLE RESONANCE METHODS [01]
DA April 12, 1977
RT Absorption Spectroscopy
RT ELDOR
RT Electron Spin Resonance
RT ENDOR
RT Optical Pumping
RT Zeeman Effect
DEF Simultaneous excitation of two resonance transitions of different frequencies increasing the sensitivity of high frequency spectroscopy.

Double Shell Houses
DA June 13, 1981
USE Double Envelope Buildings

Double Wall Houses
DA June 13, 1981
USE Double Envelope Buildings

DOUBLET-1 DEVICE [01]
(Quadrupolar configuration)
DA December 1, 1974
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

DOUBLET-2 DEVICE [01]
(Octupolar configuration)
DA December 1, 1974
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

DOUBLET-3 DEVICE [01]
DA April 12, 1979
UF *Doublet 3 Devices*
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

Doublet 3 Devices
DA December 28, 1978
USE Doublet-3 Device

DOUBLET REACTORS
DA April 27, 1978
BT1 Tokamak Type Reactors
BT2 Thermonuclear Reactors

DOUGLAS POINT-1 REACTOR [01]
(Nanjamoy, Maryland, USA)
DA December 1, 1974
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

DOUGLAS POINT-2 REACTOR [01]
(Nanjamoy, Maryland, USA)
DA December 1, 1974
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

DOUGLAS POINT ONTARIO REACTOR [01]
(For information indexed before 1976 CANDU REACTOR was used.)
DA December 16, 1975
UF *Candu Reactor*
UF *Douglas Point Power Station*
BT1 Candu Type Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT2 Pressure Tube Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 PHWR Type Reactors
BT2 Heavy Water Cooled Reactors
BT3 Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors

Douglas Point Power Station
DA December 1, 1974
USE Douglas Point Ontario Reactor

DOUGLAS POINT SITE
DA January 24, 1980
RT Maryland
RT Power Plants

Dounreay Fast Reactor
DA December 1, 1974
USE DFR Reactor

Dounreay Materials Testing Reactor
DA December 1, 1974
USE DMTR Reactor

Dounreay Prototype Fast Reactor
DA December 1, 1974
USE PFR Reactor

Dow Chemical TRIGA-Mk-1 Reactor
DA December 1, 1974
USE Dow TRIGA-Mk-1 Reactor

DOW GASIFICATION PROCESS [01]
DA March 4, 1986
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes
RT Entrainment
DEF Pressurized, entrained flow, slagging, slurry fed gasification.

DOW LIQUEFACTION PROCESS
DA July 18, 1979
BT1 Coal Liquefaction
BT2 Liquefaction
BT3 Thermochemical Processes
DEF Expendable catalyst system based on emulsion technology, hydrocyclones for partial solids removal, and liquid-liquid extractor.

Dow Pusher 700
DA March 4, 1977
USE Polyamides

DOW TRIGA-MK-1 REACTOR [01]
(Midland, Michigan)
DA December 1, 1974
UF *Dow Chemical TRIGA-Mk-1 Reactor*
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 TRIGA Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Hydride Moderated Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Solid Homogeneous Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

DOWA PROCESS
DA August 21, 1981
BT1 Desulfurization
BT2 Chemical Reactions
RT Waste Processing
DEF This process is a dual-alkali flue gas desulfurization process which utilizes basic aluminium sulfate solution for SO_2 absorption and limestone for regeneration of the absorbent.

Dowex
DA December 1, 1974
USE Organic Ion Exchangers

Downhole Information Systems
DA December 11, 1978
USE MWD Systems

DOWNS SYNDROME [01]
DA December 1, 1974
UF *Mongolism*
BT1 Congenital Diseases
BT2 Diseases
BT1 Congenital Malformations
BT2 Malformations
BT3 Pathological Changes
BT1 Hereditary Diseases
BT2 Diseases
RT Chromosomal Aberrations

DOWNWELLING
DA February 13, 1987
RT Environmental Transport
RT Upwelling
RT Water Currents
DEF Process by which a water mass sinks from a shallower to a deeper level.

Dowtherm
DA April 29, 1975
USE Biphenyl
AND Phenyl Ether

DOXORUBICIN [01]
DA April 14, 1980
UF *Adriamycin*
BT1 Antibiotics
BT2 Anti-Infective Agents
BT3 Drugs
BT1 Antineoplastic Drugs
BT2 Drugs
RT Mutagenesis

DPA
(Displacement per Atom.)
DA May 6, 1980
USE Displacement Rates

DPCA [01]
DA December 1, 1974
UF *Diphenylcarbazides*
BT1 Carbonic Acid Derivatives
BT2 Organic Compounds
BT1 Organic Nitrogen Compounds
BT2 Organic Compounds

DPO
(Diphenylphosphine oxide)
DA December 1, 1974
USE Organic Phosphorus Compounds

DPP COMPUTERS [01]
DA December 1, 1974
BT1 Computers

DPPH [01]
DA December 1, 1974
UF *Diphenylpicrylhydrazyl*
BT1 Nitro Compounds
BT2 Organic Nitrogen Compounds

BT3 Organic Compounds
BT1 Radicals
RT Hydrazine

DPSO [01]
DA December 1, 1974
UF *Diamyl Sulfoxide*
UF *Dipentyl Sulfoxide*
BT1 Sulfoxides
BT2 Organic Sulfur Compounds
BT3 Organic Compounds

DR-1 REACTOR [01]
(Risoe National Lab., Roskilde, Denmark)
DA December 1, 1974
UF *Danish Reactor-1*
BT1 Aqueous Homogeneous Reactors
BT2 Liquid Homogeneous Reactors
BT3 Fluid Fueled Reactors
BT4 Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors

DR-2 REACTOR [01]
(Risoe National Lab., Roskilde, Denmark)
DA December 1, 1974
UF *Danish Reactor-2*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

DR-3 REACTOR [01]
(Risoe National Lab., Roskilde, Denmark)
DA December 1, 1974
UF *Danish Reactor-3*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Heavy Water Cooled Reactors
BT2 Reactors
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Materials Testing Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

DRAFT CONTROL SYSTEMS
DA January 30, 1979
UF *Dampers (Gas Flow)*
BT1 Flow Regulators
BT2 Control Equipment
BT3 Equipment
RT Chimneys
RT Flue Gas
RT Furnaces
RT Stacks

DRAG [01]
DA December 1, 1974
UF *Drag Coefficient*
RT Fluid Mechanics

Drag Coefficient
DA December 1, 1974
USE Drag

Drag Effect
DA December 1, 1974
USE Electrophoresis

DRAGLINES
DA October 24, 1981
BT1 Earthmoving Equipment
BT2 Materials Handling Equipment
BT3 Equipment
RT Excavation
RT Mining Equipment
DEF An excavator operated by pulling a bucket on cables toward a jib from which it is suspended.

DRAGON REACTOR [01]
DA December 1, 1974
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Experimental Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Helium Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 HTGR Type Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT2 Graphite Moderated Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Thorium Reactors
BT2 Reactors

DRAIN-DOWN SYSTEMS
DA March 3, 1978
RT Freeze Protection
RT Freezing
RT Solar Collectors
RT Solar Water Heaters
DEF Method of freeze protection for solar collectors by draining water out of collector when collector plate reaches a dangerously low temperture.

DRAINAGE [01]
DA March 29, 1980
UF *Drainage Areas*
UF *Drainage Systems*
RT Floods
RT Fluid Flow
RT Mine Draining
RT Runoff
RT Settling Ponds
RT Watersheds

Drainage Areas
DA March 29, 1980
USE Drainage

Drainage Systems
DA March 29, 1980
USE Drainage

Draperies
DA February 27, 1979
USE Curtains

DRAWDOWN [01]
DA January 23, 1975
RT Ground Water
RT Pumping
RT Reservoir Fluids
DEF Reduction of fluid levels in reservoirs by intentional withdrawal.

DRAWING [01]
DA December 1, 1974
BT1 Materials Working
BT2 Fabrication
RT Cold Working

DREDGE SPOIL [01]
DA April 5, 1978
RT Dredging
RT Sediments
RT Solid Wastes
RT Spoil Banks

DREDGING [01]
DA April 5, 1978
RT Dredge Spoil
RT Excavation

DRELL MODEL [01]
DA December 1, 1974
RT Photoproduction

DRESDEN-1 REACTOR [01]
(Morris, Illinois, USA)
DA December 1, 1974
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

DRESDEN-2 REACTOR [01]
(Morris, Illinois, USA)
DA December 1, 1974
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

DRESDEN-3 REACTOR [01]
(Morris, Illinois, USA)
DA December 1, 1974
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

DRF
(Dose Reduction Factor.)
DA May 10, 1984
USE Efficiency
AND Radioprotective Substances

Drift (Electron)
DA December 1, 1974
USE Electron Drift

Drift (Ion)
DA December 1, 1974
USE Ion Drift

Drift (Plasma)
DA December 1, 1974
USE Plasma Drift

DRIFT CHAMBERS [01]
DA April 4, 1975

UF *Multiwire Drift Chambers*
BT1 Multiwire Proportional Chambers
BT2 Proportional Counters
BT3 Radiation Detectors
BT4 Measuring Instruments
RT Fermilab Collider Detector
RT Ion-Mobility Detectors
RT Projection Spark Chambers
RT Stanford Linear Collider Detector

DRIFT INSTABILITY [01]
DA December 1, 1974
BT1 Plasma Microinstabilities
BT2 Plasma Instability
BT3 Instability
RT Plasma Drift

DRIFT PUMPING
DA November 9, 1984
RT High-Frequency Heating
DEF A subset of plasma rf pumping that pumps perpendicular energy into the trapped ion population at frequencies near the trapped ion bounce frequency. Radial displacements by geodesic curvature drifts are enhanced so that the ions drift out to a limiter.

DRIFT TUBES [01]
DA December 1, 1974
RT Cyclic Accelerators
RT Linear Accelerators

DRILL BITS [01]
DA September 11, 1975
BT1 Drilling Equipment
BT2 Equipment
RT Drilling
RT Drills
RT Jet Drills
RT Materials Drilling
RT Percussive Drills
RT Rotary Drills
RT Spark Drills

DRILL CORES [01]
DA December 1, 1974
UF *Cores (Drill)*
RT Coring Fluids
RT Well Logging
DEF A cylindrical or columnar piece of solid rock or section of soil, taken as a sample of an underground formation by a special hollow-type drill bit.

Drill Cuttings Removal
DA March 23, 1983
USE Cuttings Removal

Drill Holes
DA May 31, 1985
USE Boreholes

DRILL PIPES [01]
DA March 8, 1977
BT1 Drilling Equipment
BT2 Equipment
BT1 Pipes
RT Drills

Drill Ships
DA August 4, 1976
USE Offshore Platforms
AND Ships

DRILL STEM TESTING
DA June 2, 1977
BT1 Testing
RT Natural Gas Wells
RT Oil Wells
DEF Tests involving temporary completion of a well to prove the productive possibilities of an oil or gas strike with the drill stem in the hole.

DRILLING [01]
DA January 23, 1975
NT1 Directional Drilling
NT1 Offshore Drilling
NT1 Rock Drilling
NT1 Rotary Drilling
NT1 Well Drilling
RT Cuttings Removal
RT Drill Bits
RT Drilling Fluids
RT MWD Systems
RT Turbodrills
RT Wells

Drilling (Materials)
DA December 1, 1974
USE Materials Drilling

Drilling (Rock)
DA December 1, 1974
USE Rock Drilling

DRILLING EQUIPMENT [01]
DA March 11, 1976
UF *Diamond Drilling Equipment*
BT1 Equipment
NT1 Blowout Preventers
NT1 Coring Equipment
NT1 Drill Bits
NT1 Drill Pipes
NT1 Drilling Rigs
NT1 Drills
NT2 Jet Drills
NT2 Percussive Drills
NT2 Rotary Drills
NT3 Turbodrills
NT2 Spark Drills
NT2 Subterrene Penetrators
RT Drilling Fluids
RT Rotary Drilling
RT Well Drilling

DRILLING FLUIDS [01]
(Limited to materials used in well drilling.)
DA January 23, 1975
UF *Drilling Mud*
BT1 Fluids
RT Coring Fluids
RT Cuttings Removal
RT Drilling
RT Drilling Equipment
RT Lost Circulation
RT Rotary Drilling
RT Suspensions
DEF A suspension of finely divided heavy material, such as bentonite or barite, pumped through the drill pipe during rotary drilling to seal off porous zones, flush out chippings, and to lubricate and cool the bit.

Drilling Mud
DA January 29, 1975
USE Drilling Fluids

Drilling Platforms
DA March 11, 1976
USE Offshore Platforms

DRILLING RIGS [01]
DA October 1, 1975
BT1 Drilling Equipment
BT2 Equipment
RT Natural Gas
RT Petroleum
RT Well Drilling
DEF A drill machine complete with all tools and accessory equipment needed to drill boreholes.

Drilling Risers
DA April 12, 1977
USE Marine Risers

DRILLS [01]
DA March 8, 1977
BT1 Drilling Equipment
BT2 Equipment
NT1 Jet Drills
NT1 Percussive Drills
NT1 Rotary Drills
NT2 Turbodrills
NT1 Spark Drills
NT1 Subterrene Penetrators
RT Drill Bits
RT Drill Pipes
RT Rock Drilling
RT Well Drilling

DRINKING WATER [01]
DA December 1, 1974
UF *Potable Water*
BT1 Water
BT2 Hydrogen Compounds
BT2 Oxygen Compounds
RT Auxiliary Water Systems
RT Beverages
RT Diet
RT Food
RT Fresh Water
RT Ingestion

DROPLET MODEL [01]
DA December 1, 1974
BT1 Nuclear Models
BT2 Mathematical Models

DROPLETS [01]
DA December 1, 1974
BT1 Particles
RT Aerosols
RT Atmospheric Precipitations
RT Atomization
RT Liquids
RT Particle Size
RT Rain
RT Sprays
RT Washout

DROPWISE CONDENSATION [01]
DA December 1, 1974
BT1 Vapor Condensation

DROSOPHILA [01]
DA December 1, 1974
BT1 Fruit Flies
BT2 Flies
BT3 Diptera
BT4 Insects
BT5 Arthropods
BT6 Invertebrates
BT7 Animals

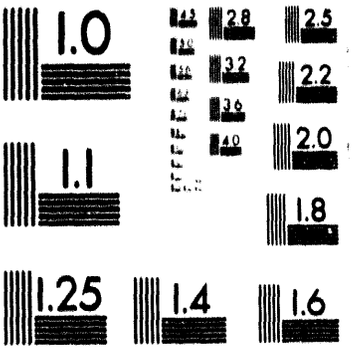
DROUGHTS [01]
DA July 25, 1986
RT Arid Lands
RT Atmospheric Precipitations
RT Climates
RT Weather
DEF Extensive periods of abnormally dry weather causing serious hydrologic imbalances.

DRUG ABUSE [01]
DA August 11, 1982
RT Drugs
RT Health Hazards
RT Occupational Safety
RT Preventive Medicine

DRUGS [01]
DA December 1, 1974
UF *Medicines*
UF *Pharmaceuticals*
UF *Therapeutic Agents*
NT1 Anti-Infective Agents
NT2 Antibiotics
NT3 Actinomycin
NT3 Antimycin
NT3 Bleomycin
NT3 Chloramphenicol
NT3 Cycloheximide
NT3 Doxorubicin
NT3 Erythromycin
NT3 Mitomycin
NT3 Neocarcinostatin
NT3 Neomycin
NT3 Penicillin
NT3 Puromycin
NT3 Streptomycin
NT3 Streptozocin
NT3 Tetracyclines
NT4 Chlortetracycline
NT4 Oxytetracycline
NT3 Valinomycin

NT2 Antimicrobial Agents
NT3 Cinchonine
NT3 FUDR
NT3 Isoniazid
NT4 Iproniazid
NT3 Methenamine
NT3 Methylene Blue
NT3 PAS
NT3 Quinine
NT3 Sulfonamides
NT4 Sulfadiazine
NT1 Antihistaminics
NT2 Promethazine
NT1 Antimetabolites
NT2 Adenines
NT3 Kinetin
NT2 Aminopterin
NT2 Azaguanine
NT2 Bromouracils
NT3 BUDR
NT2 Deoxyuridine
NT2 Ethionine
NT2 Fluorodeoxyglucose
NT2 Fluorouracils
NT3 FUDR
NT2 Iodouracils
NT3 Iododeoxyuridine
NT2 Mercaptopurine
NT2 Methotrexate
NT2 Thiouracil
NT1 Antimitotic Drugs
NT2 Actinomycin
NT2 Bleomycin
NT2 Colchicine
NT2 Mitomycin
NT2 NEM
NT2 Oncovin
NT2 Vinblastine
NT1 Antineoplastic Drugs
NT2 Actinomycin
NT2 Bleomycin
NT2 Chlorambucil
NT2 Doxorubicin
NT2 Metronidazole
NT2 Misonidazole
NT2 Mitomycin
NT2 Neocarcinostatin
NT2 Puromycin
NT2 Streptozocin
NT1 Autonomic Nervous System Agents
NT2 Neuroregulators
NT3 Acetylcholine
NT3 Adrenaline
NT3 Aminobutyric Acid
NT3 DOPA
NT3 Dopamine
NT3 Endorphins
NT4 Enkephalins
NT3 Noradrenaline
NT3 Serotonin
NT4 Bufotenine
NT2 Parasympatholytics
NT3 Atropine
NT3 Nicotine
NT2 Parasympathomimetics
NT3 Acetylcholine
NT3 Eserine
NT3 Nicotine
NT3 Pilocarpine
NT2 Spiperone
NT2 Sympatholytics
NT3 Ergotamine
NT3 Reserpine
NT2 Sympathomimetics
NT3 Adrenaline
NT3 Amphetamines
NT3 Benzedrine
NT3 Dopamine
NT3 Ephedrine
NT3 Noradrenaline
NT3 Serotonin
NT4 Bufotenine
NT3 Tyramine
NT1 Cardiovascular Agents
NT2 Antihypertensive Agents
NT3 Guanethidine
NT3 Reserpine
NT2 Cardiotonics
NT3 Adrenaline
NT3 Cardiac Glycosides
NT4 Digitalis Glycosides
NT5 Digitoxin
NT5 Digoxin
NT4 Strophanthins
NT5 Ouabain
NT3 Dopamine
NT3 Noradrenaline
NT2 Vasoconstrictors
NT3 Angiotensin
NT3 Ephedrine
NT2 Vasodilators
NT3 Dipyridamole
NT3 Theobromine
NT3 Theophylline
NT1 Central Nervous System Agents
NT2 Analeptics
NT3 Amphetamines
NT3 Caffeine
NT2 Psychotropic Drugs
NT3 Antidepressants
NT4 Cocaine
NT4 Imipramine
NT4 Iproniazid
NT3 Hallucinogens
NT4 Bufotenine
NT3 Tranquilizers
NT4 Chlorpromazine
NT1 Central Nervous System Depressants
NT2 Analgesics
NT3 Acetophenetidin
NT3 Acetylsalicylic Acid
NT3 Opium
NT4 Morphine
NT5 Codeine
NT5 Heroin
NT5 Thebaine
NT3 Pethidine
NT2 Anesthetics
NT3 Barbiturates
NT4 Amytal
NT4 Nembutal
NT4 Phenobarbital
NT4 Thiopental
NT3 Cocaine
NT3 Procaine
NT2 Anticonvulsants
NT3 Phenobarbital
NT2 Antipyretics
NT3 Acetophenetidin
NT3 Acetylsalicylic Acid
NT3 Antipyrine
NT3 Colchicine
NT2 Hypnotics and Sedatives
NT3 Barbiturates
NT4 Amytal
NT4 Nembutal
NT4 Phenobarbital
NT4 Thiopental
NT3 Chlorpromazine
NT2 Narcotics
NT3 Methadone Hydrochloride
NT3 Opium
NT4 Morphine
NT5 Codeine
NT5 Heroin
NT5 Thebaine
NT3 Pethidine
NT1 Diuretics
NT2 Chlorothiazide
NT2 Neohydrin
NT2 Sorbitol
NT1 Hematologic Agents
NT2 Anticoagulants
NT3 Coumarins
NT4 Dicumarol
NT4 Psoralen
NT4 Tromexan
NT3 Heparin
NT2 Blood Substitutes
NT3 Dextran
NT3 Pectins
NT3 PVP
NT2 Coagulants
NT3 Blood Coagulation Factors
NT4 Fibrin
NT4 Fibrinogen
NT4 Kallikrein
NT4 Plasminogen
NT4 Prothrombin
NT4 Thrombin
NT4 Thromboplastin
NT4 Urokinase
NT3 Hemostatics
NT4 Fibrin
NT4 Fibrinogen
NT4 Thrombin
NT4 Thromboplastin
NT3 Heparin Antagonists
NT4 Protamines
NT5 Salmin
NT4 Vitamin K
NT2 Fibrinolytic Agents
NT3 Fibrinolysin
NT3 Plasminogen
NT3 Streptidine Kinase
NT3 Urokinase
NT2 Hematinics
NT3 Folic Acid
NT3 Intrinsic Factor
NT3 Vitamin B-12
NT1 Hormone Antagonists
NT2 Antiandrogens
NT2 Antithyroid Drugs
NT3 Thiocyanates
NT4 Ammonium Thiocyanates
NT3 Thiouracil
NT3 Thiourea
NT1 Immunosuppressive Drugs
NT2 Cyclosporine
NT2 Endoxan
NT1 Lipotropic Factors
NT2 Betaine
NT2 Choline
NT2 Methionine
NT1 Radiomimetic Drugs
NT2 Neocarcinostatin
NT1 Radiopharmaceuticals
NT2 MIBG
NT1 Radioprotective Substances
NT2 Acridones
NT2 AET
NT2 BAL
NT2 Cystamine
NT2 Cystaphos
NT2 Cytriphos
NT2 Dianabol
NT2 DTPA
NT2 Ethyrone
NT2 Gammaphos
NT2 Glutathione
NT2 Hydroxytryptophan
NT2 Kallikrein
NT2 MEA
NT2 MEG
NT2 Mercaptopropylamine
NT2 Mexamine
NT2 MPG
NT2 Penicillamine
NT2 Pentacyn
NT2 Royal Jelly
NT2 Serotonin
NT3 Bufotenine
NT1 Radiosensitizers
NT2 CMNI
NT2 FUDR
NT2 Metronidazole
NT2 Misonidazole
NT2 NEM
NT2 Triacetoneamine-N-Oxyl
RT Antiseptics
RT Chelating Agents
RT Chemotherapy
RT Consumer Products
RT Disinfectants
RT Drug Abuse
RT Food Additives
RT Medical Supplies
RT Medicinal Plants
RT Microbial Drug Resistance
RT Ointments
RT Pharmacology
RT Toxicity
RT Vitamins
RT Xenobiotics

DRUM WALLS [01]
DA February 27, 1979
UF *Baer Walls*
BT1 Passive Solar Cooling Systems
BT2 Solar Cooling Systems
BT3 Solar Equipment
BT4 Equipment
BT1 Passive Solar Heating Systems
BT2 Solar Heating Systems
BT3 Heating Systems
BT4 Energy Systems
BT3 Solar Equipment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BT4 Equipment
BT1 Walls
RT Buildings

DRY ASHING [01]
DA December 1, 1974
UF *Ashing (Dry)*
RT Combustion
RT Sample Preparation

Dry Deposition
DA January 15, 1980
USE Deposition

DRY HOLES
DA June 2, 1977
BT1 Wells
RT Natural Gas Wells
RT Oil Wells
DEF A well that is not expected to produce hydrocarbons in sufficient quantity to make its development into a producing well a worthwhile proposition. It may or may not have shown the presence of oil or gas.

DRY SCRUBBERS [01]
DA July 18, 1981
BT1 Scrubbers
BT2 Pollution Control Equipment
BT3 Equipment
RT Desulfurization
RT Flue Gas
RT Spray Drying
DEF A slurry is sprayed, or dry powder is injected, into the flue gas to react with the SO_2 and collected in a baghouse or precipitator.

Dry-Steam Systems
DA March 25, 1976
USE Vapor-Dominated Systems

DRY STORAGE [01]
DA June 13, 1981
BT1 Spent Fuel Storage
BT2 Storage
RT Away-From-Reactor Storage

Dry-Type Cooling Towers
DA April 29, 1975
USE Closed-Cycle Cooling Systems
AND Cooling Towers

DRYERS [01]
DA October 1, 1975
NT1 Clothes Dryers
NT1 Microwave Dryers
NT1 Solar Dryers
RT Dehydrators
RT Desiccants
RT Dewatering Equipment

Dryers, Clothes
DA June 21, 1977
USE Clothes Dryers

DRYING [01]
DA December 1, 1974
NT1 Solar Drying
NT1 Spray Drying
RT Coal Preparation
RT Curing
RT Dehydration
RT Desiccants
RT Evaporation
RT Lyophilization
RT Solar Kilns

DRYOUT [01]
DA December 1, 1974
RT Burnout
RT Heat Flux
RT Hot Spots
RT Rewetting

DSA METHOD [01]
(Used for the determination of lifetimes of nuclear levels.)
DA January 24, 1980
UF *Doppler Shift Attenuation Method*
BT1 Counting Techniques
BT1 Doppler Effect
BT1 Lifetime

DSNADNS
DA December 1, 1974
USE Beryllon

DTA
DA December 1, 1974
USE Differential Thermal Analysis

DTO
DA December 1, 1974
USE Deuterium Compounds
AND Heavy Water
AND Tritium Compounds

DTPA [01]
DA December 1, 1974
UF *Diethylenetriaminepentaacetic Acid*
BT1 Amino Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT1 Chelating Agents
BT1 Radioprotective Substances
BT2 Drugs

DUAL ABSORPTION MODEL [01]
DA December 1, 1974
BT1 Particle Models
BT2 Mathematical Models

DUAL CYCLE COOLING SYSTEMS [01]
DA December 1, 1974
BT1 Reactor Cooling Systems
BT2 Cooling Systems
BT3 Energy Systems
BT2 Reactor Components

Dual Energy Use Systems
DA November 14, 1978
USE DEUS

DUAL-FUEL ENGINES [01]
DA July 23, 1977
BT1 Internal Combustion Engines
BT2 Heat Engines
BT3 Engines
RT Diesel Engines
RT Fuel Gas
DEF Usually a diesel engine modified to include a gas supply system for operation in dual mode.

DUAL-ISOTOPE SUBTRACTION TECHNIQUE [01]
DA December 1, 1974
BT1 Tracer Techniques
BT2 Isotope Applications
RT Scintiscanning

DUAL-PURPOSE POWER PLANTS [01]
DA March 22, 1976
UF *Cogeneration Plants*
SF *MCPP*
SF *Modular Cogeneration Power Plants*
BT1 Power Plants
RT Cogeneration
RT Desalination
RT Desalination Plants
RT District Heating
RT Power Generation
RT Process Heat
RT Refuse-Fueled Power Plants

DUAL RESONANCE MODEL [01]
DA December 1, 1974
BT1 Veneziano Model
BT2 Particle Models
BT3 Mathematical Models
RT Duality

DUAL TEMPERATURE PROCESS [01]
DA September 11, 1975
UF *GS Process*
BT1 Isotope Separation
BT2 Separation Processes
BT1 Isotopic Exchange
RT Heavy Water

DUALITY [01]
DA December 1, 1974
RT Dual Resonance Model
RT Scattering Amplitudes
DEF Correlation between resonance poles and scattering amplitudes.

DUANE ARNOLD-1 REACTOR [01]
(Palo, Iowa, USA)
DA December 1, 1974
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

Dubai
DA August 5, 1976
USE United Arab Emirates

DUBNA [01]
DA December 1, 1974
BT1 USSR
BT2 Asia
BT2 Developed Countries
BT2 Europe

Dubna Pulsed Reactor
DA March 27, 1975
USE IBR-2 Reactor

DUBNA SYNCHROCYCLOTRON [01]
DA December 1, 1974
BT1 Synchrocyclotrons
BT2 Cyclic Accelerators
BT3 Accelerators

DUCKS [01]
DA December 1, 1974
BT1 Fowl
BT2 Birds
BT3 Vertebrates
BT4 Animals

DUCTILE-BRITTLE TRANSITIONS [01]
DA December 1, 1974
UF *Transitions (Ductile-Brittle)*
RT Brittleness
RT Ductility
RT Embrittlement

DUCTILITY [01]
DA December 1, 1974
BT1 Tensile Properties
BT2 Mechanical Properties
RT Brittle-Ductile Transitions
RT Ductile-Brittle Transitions
RT Plasticity

DUCTS [01]
DA December 1, 1974
UF+ *Ventilation Ducts*
RT Diffusers
RT Fuel Channels
RT Openings
RT Pipes
RT Tubes

DUKOVANY V-2 REACTOR [01]
(Dukovany, South Moravia, Czechoslovakia)
DA December 1, 1974
UF *V-2 Reactor (Dukovany)*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors

BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

DUMAND PROJECT [01]
(Deep Underwater Muon and Neutrino Detection Project.)
DA September 6, 1979
RT Acoustic Detection
RT Coordinated Research Programs
RT International Cooperation
RT Muon Detection
RT Neutrino Detection
RT Underwater Facilities

DUMONTITE [01]
DA December 1, 1974
BT1 Phosphate Minerals
BT2 Minerals
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
RT Lead Phosphates
RT Uranium Phosphates

DUNES
DA August 20, 1984
RT Geomorphology
RT Sand
RT Terrestrial Ecosystems
RT Topography
RT Wind
DEF Low mounds, ridges, banks, or hills of loose, windblown granular material, usually sand, capable of movement.

DUNGENESS-A REACTOR [01]
(Dungeness Point, Kent, UK)
DA December 1, 1974
BT1 Carbon Dioxide Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Magnox Type Reactors
BT2 GCR Type Reactors
BT3 Gas Cooled Reactors
BT4 Reactors
BT3 Graphite Moderated Reactors
BT4 Reactors
BT2 Natural Uranium Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

DUNGENESS-B REACTOR [01]
(Romney Marsh, Kent, UK)
DA December 1, 1974
BT1 AGR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 GCR Type Reactors
BT3 Gas Cooled Reactors
BT4 Reactors
BT3 Graphite Moderated Reactors
BT4 Reactors
BT1 Carbon Dioxide Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

Duodenum
DA December 1, 1974
USE Small Intestine

DUOPLASMATRONS [01]
DA December 1, 1974
BT1 Ion Sources
BT1 Plasmatrons
BT2 Electron Tubes

DURALUMIN
DA December 1, 1974
BT1 Alloy-Al95Cu4
BT2 Aluminium Base Alloys
BT3 Aluminium Alloys
BT4 Alloys
BT2 Copper Alloys
BT3 Alloys
BT2 Iron Additions
BT3 Iron Alloys
BT4 Alloys
BT2 Magnesium Additions
BT3 Magnesium Alloys
BT4 Alloys
BT2 Manganese Additions
BT3 Manganese Alloys
BT4 Alloys
BT2 Silicon Additions
BT3 Silicon Alloys
BT4 Alloys
BT1 Copper Alloys
BT2 Alloys
BT1 Iron Additions
BT2 Iron Alloys
BT3 Alloys
BT1 Manganese Additions
BT2 Manganese Alloys
BT3 Alloys
BT1 Silicon Additions
BT2 Silicon Alloys
BT3 Alloys

DURANALIUM [01]
DA December 1, 1974
BT1 Aluminium Base Alloys
BT2 Aluminium Alloys
BT3 Alloys
BT1 Magnesium Alloys
BT2 Alloys

DURANICKEL [01]
DA December 1, 1974
BT1 Aluminium Alloys
BT2 Alloys
BT1 Copper Additions
BT2 Copper Alloys
BT3 Alloys
BT1 Iron Additions
BT2 Iron Alloys
BT3 Alloys
BT1 Manganese Additions
BT2 Manganese Alloys
BT3 Alloys
BT1 Nickel Base Alloys
BT2 Nickel Alloys
BT3 Alloys
BT1 Silicon Additions
BT2 Silicon Alloys
BT3 Alloys
BT1 Titanium Additions
BT2 Titanium Alloys
BT3 Alloys

DURCO [01]
DA December 1, 1974
BT1 Chromium-Nickel Steels
BT2 Chromium Alloys
BT3 Alloys
BT2 Nickel Alloys
BT3 Alloys
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys
BT1 Stainless Steels
BT2 High Alloy Steels
BT3 Steels
BT4 Iron Base Alloys
BT5 Iron Alloys
BT6 Alloys

DURENE [01]
DA December 1, 1974
UF *1,2,4,5-Tetramethylbenzene*
BT1 Aromatics
BT2 Organic Compounds
BT1 Hydrocarbons
BT2 Organic Compounds

DURIRON [01]
DA December 1, 1974
BT1 Carbon Additions
BT2 Alloys
BT1 Iron Base Alloys
BT2 Iron Alloys
BT3 Alloys
BT1 Manganese Additions
BT2 Manganese Alloys
BT3 Alloys
BT1 Silicon Alloys
BT2 Alloys

DUST COLLECTORS [01]
DA February 19, 1976
RT Dusts
RT Electrostatic Precipitators
RT Fabric Filters
RT Filters
RT Scrubbers
RT Separation Processes

DUST COOLED REACTORS [01]
DA December 1, 1974
BT1 Reactors

Dust Fueled Reactors
DA December 1, 1974
USE Fluid Fueled Reactors

DUSTS [01]
DA December 1, 1974
UF *Respirable Dusts*
NT1 Cosmic Dust
RT Acoustic Agglomerators
RT Aerosols
RT Dispersions
RT Dust Collectors
RT Elutriation
RT Filters
RT Inhalation
RT Lunar Materials
RT Particle Resuspension
RT Particle Size
RT Particles
RT Particulates
RT Pneumoconioses
RT Powders
RT Respirators
RT Rock Dusting
RT Sedimentation

DWARF STARS [01]
DA December 1, 1974
BT1 Stars
NT1 Black Dwarf Stars
NT1 Red Dwarf Stars
NT1 White Dwarf Stars
RT Helium Burning

DWBA [01]
DA December 1, 1974
UF *Distorted Wave Born Approximation*
BT1 Born Approximation
RT Distorted Wave Theory
RT Nuclear Reaction Kinetics
RT Scattering

DYE LASERS [01]
DA January 20, 1975
BT1 Liquid Lasers
BT2 Lasers
RT Chemical Lasers

DYES [01]
DA December 1, 1974
SF *Chemicals*
NT1 Acridine Orange
NT1 Alizarin
NT1 Azo Dyes
NT2 Acid Chrome Dyes
NT2 Beryllon
NT2 Congo Red
NT2 Eriochrome Dyes
NT2 Erioglaucine
NT2 Evans Blue
NT2 Methyl Orange
NT2 Methyl Red
NT2 Toluidine Blue
NT2 Trypan Blue
NT1 Curcumin
NT1 Cyanine Dyes
NT1 Eosin
NT1 Fluorescein
NT2 Erythrosine
NT1 Hematoxylin
NT1 Indigo

NT1 Indocyanine Green
NT1 Morin
NT1 Murexide
NT1 Phthalocyanines
NT1 Pyrocatechol Violet
NT1 Quinizarin
NT1 Rhodamines
NT1 Rose Bengal
NT1 Squarylium Dyes
NT1 Triphenylmethane Dyes
NT2 Aluminon
NT2 Aurin
NT2 Methyl Violet
NT2 Methylthymol Blue
NT1 Xylenol Orange
RT Anthraquinones
RT Carminic Acid
RT Chromotropic Acid
RT Colorimetric Dosemeters
RT Diazo Compounds
RT Inks
RT Organic Solar Cells
RT Photochromic Materials
RT Stains
RT Violanthrone

DYMAC System
DA November 8, 1982
USE Nuclear Materials Management
AND Plutonium

DYNAMIC FUNCTION STUDIES [01]
DA December 16, 1975
UF *Dynamic Studies (Biological)*
RT Biological Functions
RT Biological Markers
RT Equilibrium
RT Flow Rate
RT Radionuclide Kinetics
RT Radiopharmaceuticals
RT Sequential Scanning
RT Tracer Techniques

Dynamic Inducer Rotors
DA September 13, 1978
USE Tipvane Rotors

DYNAMIC LOADS [01]
DA August 4, 1976
UF *Load (Dynamic)*
NT1 Wind Loads
RT Deformation
RT Mechanical Tests
RT Mechanical Vibrations
RT Pipe Whip
RT Soil-Structure Interactions
RT Static Loads
RT Stresses

DYNAMIC MASS SPECTROMETERS [01]
DA December 1, 1974
UF *R-F Mass Spectrometers*
BT1 Mass Spectrometers
BT2 Spectrometers
BT3 Measuring Instruments
NT1 Energy Balance Mass Spectrometers
NT1 Time-Of-Flight Mass Spectrometers

Dynamic Materials Accountability System
DA November 8, 1982
USE Nuclear Materials Management
AND Plutonium

DYNAMIC PROGRAMMING [01]
DA December 1, 1974
BT1 Programming
RT Econometrics

Dynamic Studies (Biological)
DA December 16, 1975
USE Dynamic Function Studies

Dynamical Boson-Fermion Symmetry
DA December 26, 1984
USE Boson-Fermion Symmetry

DYNAMICAL GROUPS [01]
DA December 1, 1974
BT1 Symmetry Groups
NT1 O Groups
RT Boson-Fermion Symmetry

DYNAMICS [01]
DA February 27, 1979
BT1 Mechanics
RT Beam Dynamics
RT Collisions
DEF Study of the motion of a system of material particles under the influence of forces, especially those which originate outside the system under consideration.

Dynamics (Beam)
DA December 1, 1974
USE Beam Dynamics

DYNAMITE [01]
DA December 1, 1974
BT1 Chemical Explosives
BT2 Explosives

DYNAMITRONS [01]
DA December 1, 1974
BT1 Electrostatic Accelerators
BT2 Accelerators
RT Tandem Electrostatic Accelerators

DYNAMOMETERS [01]
DA December 1, 1974
BT1 Measuring Instruments

DYNODES [01]
DA December 1, 1974
RT Electron Multipliers

DYONS [01]
(Hypothetical particles endowed with both electric and magnetic charges.)
DA December 1, 1974
BT1 Postulated Particles
BT2 Elementary Particles

DYSON REPRESENTATION [01]
DA December 1, 1974
RT Boson Expansion
RT Quantum Field Theory

DYSPROSIUM [01]
DA December 1, 1974
BT1 Rare Earths
BT2 Metals
BT3 Elements

DYSPROSIUM 141 [01]
DA September 5, 1984
BT1 Dysprosium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

DYSPROSIUM 142 [01]
DA May 1, 1987
BT1 Dysprosium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

DYSPROSIUM 143 [01]
DA September 5, 1984
BT1 Dysprosium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

DYSPROSIUM 144 [01]
DA November 20, 1986
BT1 Dysprosium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

DYSPROSIUM 145 [01]
DA July 8, 1982
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Dysprosium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

DYSPROSIUM 146 [01]
DA September 8, 1981
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Dysprosium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

DYSPROSIUM 147 [01]
DA July 29, 1975
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Dysprosium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes

BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

DYSPROSIUM 148 [01]
DA January 23, 1975
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Dysprosium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

DYSPROSIUM 149 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Dysprosium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

DYSPROSIUM 150 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Dysprosium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

DYSPROSIUM 151 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Dysprosium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

DYSPROSIUM 152 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Dysprosium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

DYSPROSIUM 153 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Dysprosium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

DYSPROSIUM 154 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Dysprosium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

DYSPROSIUM 154 TARGET [01]
DA November 10, 1977
BT1 Targets

DYSPROSIUM 155 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Dysprosium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

DYSPROSIUM 156 TARGET [01]
DA July 12, 1976
BT1 Targets

DYSPROSIUM 157 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Dysprosium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

DYSPROSIUM 158 [01]
DA December 1, 1974
BT1 Dysprosium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

DYSPROSIUM 158 TARGET [01]
DA July 9, 1976
BT1 Targets

DYSPROSIUM 159 [01]
DA December 1, 1974
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Dysprosium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

DYSPROSIUM 160 [01]
DA December 1, 1974
BT1 Dysprosium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

DYSPROSIUM 160 TARGET [01]
DA July 9, 1976
BT1 Targets

DYSPROSIUM 161 [01]
DA December 1, 1974
BT1 Dysprosium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

DYSPROSIUM 161 REACTIONS [01]
DA November 29, 1984
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

DYSPROSIUM 161 TARGET [01]
DA July 9, 1976
BT1 Targets

DYSPROSIUM 162 [01]
DA December 1, 1974
BT1 Dysprosium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

DYSPROSIUM 162 TARGET [01]
DA July 9, 1976
BT1 Targets

DYSPROSIUM 163 [01]
DA December 1, 1974
BT1 Dysprosium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

DYSPROSIUM 163 TARGET [01]
DA July 9, 1976
BT1 Targets

DYSPROSIUM 164 [01]
DA December 1, 1974
BT1 Dysprosium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

DYSPROSIUM 164 TARGET [01]
DA July 9, 1976
BT1 Targets

DYSPROSIUM 165 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Dysprosium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

DYSPROSIUM 165 TARGET [01]
DA September 22, 1981
BT1 Targets

DYSPROSIUM 166 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Dysprosium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

DYSPROSIUM 167 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Dysprosium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

DYSPROSIUM 168 [01]
DA May 6, 1980
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Dysprosium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

→**DYSPROSIUM 169 [01]**
DA January 15, 1991
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Dysprosium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

DYSPROSIUM ADDITIONS [01]
DA December 1, 1974
BT1 Dysprosium Alloys
BT2 Rare Earth Alloys
BT3 Alloys
BT1 Rare Earth Additions
BT2 Rare Earth Alloys
BT3 Alloys

DYSPROSIUM ALLOYS [01]
DA December 1, 1974
BT1 Rare Earth Alloys
BT2 Alloys
NT1 Dysprosium Additions
NT1 Dysprosium Base Alloys

DYSPROSIUM BASE ALLOYS [01]
DA December 1, 1974
BT1 Dysprosium Alloys
BT2 Rare Earth Alloys
BT3 Alloys

DYSPROSIUM BORIDES [01]
DA December 1, 1974
BT1 Borides
BT2 Boron Compounds
BT1 Dysprosium Compounds
BT2 Rare Earth Compounds

DYSPROSIUM BROMIDES [01]
DA December 1, 1974
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Dysprosium Compounds
BT2 Rare Earth Compounds

DYSPROSIUM CARBIDES [01]
DA December 1, 1974
BT1 Carbides
BT2 Carbon Compounds
BT1 Dysprosium Compounds
BT2 Rare Earth Compounds

DYSPROSIUM CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Dysprosium Compounds
BT2 Rare Earth Compounds

DYSPROSIUM COMPLEXES [01]
DA December 1, 1974
BT1 Rare Earth Complexes
BT2 Complexes

DYSPROSIUM COMPOUNDS [01]
DA December 1, 1974
BT1 Rare Earth Compounds
NT1 Dysprosium Borides
NT1 Dysprosium Bromides
NT1 Dysprosium Carbides
NT1 Dysprosium Chlorides
NT1 Dysprosium Fluorides
NT1 Dysprosium Hydrides
NT1 Dysprosium Hydroxides
NT1 Dysprosium Iodides
NT1 Dysprosium Nitrates
NT1 Dysprosium Nitrides
NT1 Dysprosium Oxides
NT1 Dysprosium Perchlorates
NT1 Dysprosium Phosphates
NT1 Dysprosium Phosphides
NT1 Dysprosium Selenides
NT1 Dysprosium Silicates

NT1 Dysprosium Silicides
NT1 Dysprosium Sulfates
NT1 Dysprosium Sulfides
NT1 Dysprosium Tellurides
NT1 Dysprosium Tungstates

DYSPROSIUM FLUORIDES [01]
DA December 1, 1974
BT1 Dysprosium Compounds
BT2 Rare Earth Compounds
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds

DYSPROSIUM HYDRIDES [01]
DA December 1, 1974
BT1 Dysprosium Compounds
BT2 Rare Earth Compounds
BT1 Hydrides
BT2 Hydrogen Compounds

DYSPROSIUM HYDROXIDES [01]
DA December 1, 1974
BT1 Dysprosium Compounds
BT2 Rare Earth Compounds
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds

DYSPROSIUM IODIDES [01]
DA January 20, 1975
BT1 Dysprosium Compounds
BT2 Rare Earth Compounds
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds

DYSPROSIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

DYSPROSIUM ISOTOPES [01]
DA December 1, 1974
BT1 Rare Earth Isotopes
BT2 Isotopes
NT1 Dysprosium 141
NT1 Dysprosium 142
NT1 Dysprosium 143
NT1 Dysprosium 144
NT1 Dysprosium 145
NT1 Dysprosium 146
NT1 Dysprosium 147
NT1 Dysprosium 148
NT1 Dysprosium 149
NT1 Dysprosium 150
NT1 Dysprosium 151
NT1 Dysprosium 152
NT1 Dysprosium 153
NT1 Dysprosium 154
NT1 Dysprosium 155
NT1 Dysprosium 156
NT1 Dysprosium 157
NT1 Dysprosium 158
NT1 Dysprosium 159
NT1 Dysprosium 160
NT1 Dysprosium 161
NT1 Dysprosium 162
NT1 Dysprosium 163
NT1 Dysprosium 164
NT1 Dysprosium 165
NT1 Dysprosium 166
NT1 Dysprosium 167
NT1 Dysprosium 168
NT1 Dysprosium 169

DYSPROSIUM NITRATES [01]
DA December 1, 1974
BT1 Dysprosium Compounds
BT2 Rare Earth Compounds
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds

DYSPROSIUM NITRIDES [01]
DA December 1, 1974
BT1 Dysprosium Compounds
BT2 Rare Earth Compounds
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides

DYSPROSIUM OXIDES [01]
DA December 1, 1974
BT1 Dysprosium Compounds
BT2 Rare Earth Compounds
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds

DYSPROSIUM PERCHLORATES [01]
DA December 1, 1974
BT1 Dysprosium Compounds
BT2 Rare Earth Compounds
BT1 Perchlorates
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Oxygen Compounds

DYSPROSIUM PHOSPHATES [01]
DA October 1, 1975
BT1 Dysprosium Compounds
BT2 Rare Earth Compounds
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds

DYSPROSIUM PHOSPHIDES [01]
DA April 12, 1977
BT1 Dysprosium Compounds
BT2 Rare Earth Compounds
BT1 Phosphides
BT2 Phosphorus Compounds
BT2 Pnictides

DYSPROSIUM SELENIDES [01]
DA December 22, 1977
BT1 Dysprosium Compounds
BT2 Rare Earth Compounds
BT1 Selenides
BT2 Chalcogenides
BT2 Selenium Compounds

DYSPROSIUM SILICATES [01]
DA December 1, 1982
BT1 Dysprosium Compounds
BT2 Rare Earth Compounds
BT1 Silicates
BT2 Oxygen Compounds
BT2 Silicon Compounds

DYSPROSIUM SILICIDES [01]
DA May 15, 1975
BT1 Dysprosium Compounds
BT2 Rare Earth Compounds
BT1 Silicides
BT2 Silicon Compounds

DYSPROSIUM SULFATES [01]
DA December 1, 1974
BT1 Dysprosium Compounds
BT2 Rare Earth Compounds
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds

DYSPROSIUM SULFIDES [01]
DA December 1, 1974
BT1 Dysprosium Compounds
BT2 Rare Earth Compounds
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds

DYSPROSIUM TELLURIDES [01]
DA October 20, 1977
BT1 Dysprosium Compounds
BT2 Rare Earth Compounds
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds

DYSPROSIUM TUNGSTATES [01]
DA June 2, 1977
BT1 Dysprosium Compounds
BT2 Rare Earth Compounds
BT1 Tungstates

E0-TRANSITIONS [01]
(Electric monopole transitions.)
DA April 28, 1978
UF *Electric Monopole Transitions*
BT1 Multipole Transitions
BT2 Energy-Level Transitions

E1-TRANSITIONS [01]
(Electric Dipole transitions.)
DA April 28, 1978
UF *Electric Dipole Transitions*
BT1 Multipole Transitions
BT2 Energy-Level Transitions

E2-TRANSITIONS [01]
(Electric quadrupole transitions.)
DA April 28, 1978
UF *Electric Quadrupole Transitions*
BT1 Multipole Transitions
BT2 Energy-Level Transitions

E3-TRANSITIONS [01]
(Electric octupole transitions.)
DA April 28, 1978
UF *Electric Octupole Transitions*
BT1 Multipole Transitions
BT2 Energy-Level Transitions

E4-TRANSITIONS [01]
(Electric hexadecapole transitions.)
DA April 28, 1978
UF *Electric Hexadecapole Transitions*
BT1 Multipole Transitions
BT2 Energy-Level Transitions

E-1422 Resonances
(Prior to January 1988 this was a valid descriptor.)
DA December 1, 1974
USE F1-1420 Mesons

E-Beam Type Reactors
DA September 15, 1976
USE Electron Beam Fusion Reactors

E CENTERS [01]
DA December 1, 1974
BT1 Color Centers
BT2 Vacancies
BT3 Point Defects
BT4 Crystal Defects
BT5 Crystal Structure

E CODES [01]
DA December 1, 1974
BT1 Computer Codes

E Layer
DA December 1, 1974
USE E Region

E REGION [01]
DA December 1, 1974
UF *E Layer*
BT1 Ionosphere
BT2 Earth Atmosphere
BT2 Planetary Ionospheres
NT1 Sporadic E

E STATES [01]
DA December 1, 1974
BT1 Energy Levels

EARLY BIRD SATELLITES [01]
DA December 1, 1974
BT1 Satellites

Early Notification Convention
DA March 20, 1989
USE CENNA

EARLY RADIATION EFFECTS [01]
DA December 1, 1974
UF *Immediate Radiation Effects*
UF+ *Early Radiation Injuries*
BT1 Biological Radiation Effects
BT2 Biological Effects
BT2 Radiation Effects
RT Delayed Radiation Effects
RT Time Dependence

Early Radiation Injuries
DA December 1, 1974

USE Early Radiation Effects
AND Radiation Injuries

Ears
DA December 1, 1974
USE Auditory Organs

EARTH ATMOSPHERE [01]
DA December 1, 1974
NT1 Earth Magnetosphere
NT2 Magnetotail
NT2 Plasma Sheet
NT2 Plasmapause
NT2 Plasmasphere
NT1 Exosphere
NT1 Ionosphere
NT2 C Region
NT2 D Region
NT2 E Region
NT3 Sporadic E
NT2 F Region
NT3 F1 Layer
NT3 F2 Layer
NT3 Spread F
NT1 Mesosphere
NT1 Stratosphere
NT1 Thermosphere
NT1 Troposphere
NT2 Tropopause
RT Air
RT Airglow
RT Atmospheric Circulation
RT Atmospheric Explosions
RT Atmospheric Precipitations
RT Atmospheric Pressure
RT Earth Planet
RT Environment
RT Fallout
RT Geocorona
RT Global Aspects
RT Meteorology
RT Radioactive Clouds
RT Residence Half-Time
RT Surface Air

EARTH BERMS [01]
DA September 26, 1979
UF *Berms*
RT Earth-Covered Buildings
RT Landscaping
RT Thermal Insulation
DEF Earth banks used to moderate temperature change.

EARTH CORE [01]
DA February 16, 1988
RT Earth Crust
RT Earth Mantle
RT Earth Planet

EARTH-COVERED BUILDINGS [01]
DA September 19, 1977
UF *Underground Buildings*
BT1 Buildings
RT Earth Berms
RT Fallout Shelters
RT Subsurface Structures
RT Underground Space

EARTH CRUST [01]
DA December 1, 1974
NT1 Continental Crust
NT1 Oceanic Crust
RT Earth Core
RT Earth Mantle
RT Earth Planet
RT Geology
RT Geothermal Energy
RT Natural Occurrence
RT Particle Resuspension
RT Plate Tectonics
RT Sea Bed
RT Sea-Floor Spreading
RT Volcanoes

EARTH MAGNETOSPHERE [01]
DA October 3, 1979
UF *Magnetosphere*
BT1 Earth Atmosphere
NT1 Magnetotail
NT1 Plasma Sheet
NT1 Plasmapause
NT1 Plasmasphere
RT Geomagnetic Field
RT International Magnetospheric Study
RT Loss Cone
RT Magnetic Storms
RT Magnetopause
RT Magnetosheath
RT Polar Cusp
RT Radiation Belts

EARTH MANTLE [01]
DA February 20, 1975
RT Earth Core
RT Earth Crust
RT Overburden
DEF The zone of the earth below the crust and above the core (to a depth of 3480 km), which is divided into the upper mantle and the lower mantle, with a transition zone between.

EARTH PENETRATORS
DA September 28, 1976
BT1 Penetrators
NT1 Subterrene Penetrators
RT Projectiles

EARTH PLANET [01]
DA December 1, 1974
SF *World*
BT1 Planets
NT1 Northern Hemisphere
NT1 Southern Hemisphere
RT Continental Crust
RT Earth Atmosphere
RT Earth Core
RT Earth Crust
RT Geography
RT Geology
RT Geophysics
RT Oceanic Crust
RT Oceanography
RT Topography

Earthing
DA February 10, 1984
USE Electric Grounds

EARTHMOVING EQUIPMENT [01]
DA March 4, 1977
UF *Excavators*
BT1 Materials Handling Equipment
BT2 Equipment
NT1 Bucket Wheel Excavators
NT1 Draglines
RT Excavation
RT Mining Equipment
RT Vehicles

EARTHQUAKE FOCI
DA April 11, 1979
RT Earthquakes
RT Epicenters
DEF Those points within the earth which are the center of earthquakes and the origins of their elastic waves.

EARTHQUAKE MAGNITUDE
DA June 14, 1978
RT Earthquakes
DEF A measure of the strength of an earthquake or the strain energy released by it, as determined by seismographic observations.

EARTHQUAKES [01]
DA December 1, 1974
BT1 Seismic Events
NT1 Microearthquakes
RT Aftershocks
RT Benioff Zone
RT Earthquake Foci
RT Earthquake Magnitude
RT Epicenters
RT Foreshocks
RT Geodetic Surveys
RT Geologic Faults
RT Ground Motion
RT Hypocenters
RT Landslides
RT Precursor
RT Rayleigh Waves
RT Seismic Effects
RT Seismic Isolation
RT Seismic P Waves
RT Seismic S Waves
RT Seismic Surface Waves
RT Seismic Waves
RT Seismicity
RT Seismographs
RT Seismology
RT Shock Waves
RT Soil-Structure interactions
RT Tsunamis

Earthworms
DA December 15, 1976
USE Annelids

East China Sea
DA March 16, 1981
USE China Sea

East Coast
(Prior to December 1991 this was a valid descriptor.)
DA December 10, 1979
USE US East Coast

EAST FACILITY
(Primary systems test and evaluation facility at Savannah River Plant for DOE's Residual Energy Applicatons Program (REAP) for R&D on heat recovery and conversion equipment.)
DA August 21, 1981
UF *Energy Applied Systems Test Facility*
BT1 Test Facilities
RT Heat Recovery Equipment
RT Savannah River Plant
RT Waste Heat Utilization

EAST MESA GEOTHERMAL FIELD [01]
DA March 4, 1977
BT1 Geothermal Fields
RT Imperial Valley

East Pakistan
DA May 17, 1976
USE Bangladesh

EAST-WEST ASYMMETRY [01]
(For cosmic radiation only.)
DA December 1, 1974
BT1 Asymmetry
RT Cosmic Radiation
RT Geographical Variations

→**EASTERN EUROPE [01]**
(Prior to July 1991 this was a valid descriptor.)
DA January 27, 1993
BT1 Europe
NT1 Albania
NT1 Armenia
NT1 Azerbaijan
NT1 Belarus
NT1 Bulgaria
NT1 Croatia
NT1 Czech Republic
NT1 Czechoslovakia
NT1 Estonia
NT1 Hungary
NT1 Latvia
NT1 Lithuania
NT1 Moldova
NT1 Poland
NT1 Republic of Georgia
NT1 Romania
NT1 Russian Federation
NT2 Kamchatka
NT2 Siberia
NT1 Slovak Republic
NT1 Slovenia
NT1 Ukraine
NT1 Yugoslavia
RT USSR

Easton Power Reactor
DA December 1, 1974
USE Fitzpatrick Reactor

EBASCO STANDARD PLANT [01]
(Ebasco Services reference PWR nuclear power plant.)
DA August 7, 1978
BT1 Nuclear Power Plants
BT2 Nuclear Facilities
BT2 Thermal Power Plants
BT3 Power Plants

EBD
DA February 13, 1980
USE Energy Beam Deposition

EBD Films
DA February 11, 1980
USE Energy Beam Deposition Films

EBFA
DA July 24, 1979
USE Electron Beam Fusion Accelerator

EBIC
DA March 23, 1983
USE Scanning Electron Microscopy

EBIS
DA May 17, 1976
USE Electron Beam Ion Sources

EBONITE [01]
DA December 1, 1974
BT1 Vulcanized Elastomers

EBOR REACTOR [01]
DA December 1, 1974
UF *Experimental Beryllium Oxide Reactor*
BT1 Beryllium Moderated Reactors
BT2 Metal Moderated Reactors
BT3 Reactors
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Helium Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Solid Homogeneous Reactors
BT2 Homogeneous Reactors
BT3 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

EBR-1 REACTOR [01]
(ANL, Argonne, Illinois)
DA December 1, 1974
UF *Experimental Breeder Reactor-1*
BT1 Experimental Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 LMFBR Type Reactors
BT2 FBR Type Reactors
BT3 Breeder Reactors
BT4 Reactors
BT3 Fast Reactors
BT4 Epithermal Reactors
BT5 Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors
BT1 NaK Cooled Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors
BT1 Plutonium Reactors
BT2 Reactors
BT1 Potassium Cooled Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Sodium Cooled Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors
RT Natural Uranium Reactors

EBR-2 REACTOR [01]
DA December 1, 1974
UF *Experimental Breeder Reactor-2*
BT1 Experimental Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 LMFBR Type Reactors
BT2 FBR Type Reactors
BT3 Breeder Reactors
BT4 Reactors
BT3 Fast Reactors
BT4 Epithermal Reactors
BT5 Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Sodium Cooled Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors
RT Enriched Uranium Reactors
RT Plutonium Reactors

EBULLATED BED
DA February 14, 1978
RT Fluidized Beds
RT Packed Beds
DEF Gas-liquid-solid fluidization.

EBWR REACTOR [01]
DA December 1, 1974
UF *Experimental Boiling Water Reactor*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Experimental Reactors
BT2 Research and Test Reactors
BT3 Reactors

ECAT SCANNING
(Emission computer axial tomography scanning.)
DA May 9, 1979
UF *Emission Computer Axial Tomography Scanning*
BT1 Emission Computed Tomography
BT2 Computerized Tomography
BT3 Tomography
BT4 Diagnostic Techniques
BT1 Photon Emission Scanning
BT2 Diagnostic Techniques
RT Image Processing
RT Radioisotope Scanning
RT Radiopharmaceuticals

Eccles-Jordan Circuits
DA December 1, 1974
USE Flip-Flop Circuits

ECCS [01]
DA December 1, 1974
UF *Emergency Core Cooling System*
BT1 Reactor Protection Systems
BT2 Engineered Safety Systems
NT1 Core Flooding Systems
NT1 Core Spray Systems
NT1 High Pressure Coolant Injection
NT1 Low Pressure Coolant Injection
RT Accumulators
RT Depressurization Systems
RT Reactor Safety Experiments
RT Safety Injection

ECEL REACTOR [01]
DA December 1, 1974
BT1 Fast Reactors
BT2 Epithermal Reactors
BT3 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

ECHINODERMS [01]
DA December 1, 1974
BT1 Benthos
BT2 Aquatic Organisms
BT1 Invertebrates
BT2 Animals
NT1 Sea Urchins
RT Exoskeleton

Echography
(Method to detect inhomogeneities in the body by means of reflected ultrasonic waves.)
DA May 10, 1984
USE Ultrasonography

ECLIPSE [01]
DA December 1, 1974
UF *Lunar Occultation*
UF *Occultation*
UF *Solar Occultation*
RT Astronomy

ECN [01]
(Energieonderzoek Centrum Nederland; prior to 1 August 1976 known as Reactor Centrum Nederland, and documents written before that date should be indexed to RCN.)
DA April 13, 1977
BT1 Netherlands Organizations
BT2 National Organizations

ECO REACTOR [01]
DA December 1, 1974
UF *Experience Critique Orgel*
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 Organic Cooled Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors

Ecological Communities
DA December 1, 1974
USE Ecosystems

ECOLOGICAL CONCENTRATION [01]
DA November 11, 1975
UF *Environmental Concentration*
SF *Concentration*
NT1 Radioecological Concentration
RT Carbon Cycle
RT Concentration Ratio
RT Environmental Transport
RT Mineral Cycling
RT Sulfur Cycle
DEF Concentration of a substance in organisms or the environment.

ECOLOGICAL SUCCESSION [01]
DA July 6, 1981
RT Ecology
RT Population Dynamics
RT Species Diversity
DEF The orderly and progressive replacement of one community by another until a relatively stable community occupies an area.

ECOLOGY [01]
DA December 1, 1974
NT1 Baseline Ecology
NT1 Radioecology
RT Animals
RT Biological Adaptation

RT Biological Extinction
RT Ecological Succession
RT Ecosystems
RT Home Range
RT Predator-Prey Interactions
RT Regional Analysis
RT Species Diversity
RT Symbiosis

ECONOMETRICS [01]
DA December 1, 1974
BT1 Economics
RT Dynamic Programming
RT Economic Analysis
RT Economic Elasticity
RT Linear Programming
RT Nonlinear Programming
RT Optimization

ECONOMIC ANALYSIS [01]
DA April 6, 1978
BT1 Economics
NT1 Cost Benefit Analysis
NT1 Input-Output Analysis
RT Capitalized Cost
RT Econometrics
RT Economy
RT Energy Analysis
RT Mission Analysis
RT Operating Cost
RT Per Capita Values
RT Regional Analysis
RT Regression Analysis

ECONOMIC DEVELOPMENT [01]
DA December 1, 1974
UF *Economic Growth*
UF *Growth (Economic)*
RT Centrally Planned Economies
RT Commercial Sector
RT Commercialization
RT Developed Countries
RT Economic Policy
RT Economics
RT Gross Domestic Product
RT Gross National Product
RT Industry
RT Inflation
RT Nuclear Trade
RT Resource Development
RT Standard of Living
RT US Economic Recovery Tax Act

ECONOMIC ELASTICITY
DA November 11, 1975
UF *Elasticity (Economic)*
RT Econometrics
RT Economics
RT Energy Expenses
RT Energy Substitution
RT Prices

Economic Growth
(Prior to February 1992, this was a valid descriptor)
DA October 20, 1977
USE Economic Development

ECONOMIC IMPACT [01]
DA January 31, 1977
RT Economics
RT SEEDIS
RT Socio-Economic Factors
RT Technology Impacts

ECONOMIC POLICY [01]
DA December 1, 1974
BT1 Government Policies
RT Allocations
RT Centrally Planned Economies
RT Economic Development
RT Economics
RT Energy Policy
RT Forecasting
RT Foreign Policy
RT Materials And Minerals Policy Acts
RT Nationalization
RT Nuclear Trade
RT Pricing Regulations

Economic Recovery Tax Act
(Prior to February 1992 this was a valid descriptor.)
DA February 8, 1982
USE US Economic Recovery Tax Act

ECONOMIC REGULATORY ADMINISTRATION
DA March 29, 1980
UF *US ERA*
BT1 US DOE
BT2 US Organizations
BT3 National Organizations

ECONOMICS [01]
DA December 1, 1974
SF *Values*
NT1 Econometrics
NT1 Economic Analysis
NT2 Cost Benefit Analysis
NT2 Input-Output Analysis
RT Availability
RT Budgets
RT By-Products
RT Capital
RT Commodities
RT Competition
RT Consumer Price Index
RT Cost
RT Cost Benefit Analysis
RT Depreciation
RT Deregulation
RT Economic Development
RT Economic Elasticity
RT Economic Impact
RT Economic Policy
RT Economy
RT Environmental Policy
RT Expenditures
RT Feasibility Studies
RT Financial Data
RT Financial Incentives
RT Financing
RT Foreign Exchange Rate
RT Gross National Product
RT Income
RT Income Distribution
RT Investment
RT Life-Cycle Cost
RT Loan Guarantees
RT Low Income Groups
RT Market
RT Marketing Research
RT Payback Period
RT Profits
RT Property Values
RT Regional Analysis
RT Resellers
RT Retailers
RT Royalties
RT Sellback
RT Socio-Economic Factors
RT Spot Market
RT Subsidies
RT Supply and Demand
RT Tax Credits
RT Taxes
RT Trade
RT Wholesale Price Index

ECONOMIZERS [01]
DA December 1, 1974
RT Reactor Cooling Systems
RT Steam Generators

ECONOMY [01]
DA December 1, 1974
RT Business
RT Diversification
RT Economic Analysis
RT Economics
RT Financing
RT Forecasting
RT Gross National Product
RT Input-Output Analysis
RT Lending Institutions
RT Small Businesses
RT Technology Impacts
DEF The structure of economic life in a country or area.

ECOSYSTEMS [01]
DA December 1, 1974
UF *Biocenoses*
UF *Biogeocenoses*
UF *Communities (Ecological)*
UF *Ecological Communities*
NT1 Aquatic Ecosystems
NT2 Wetlands
NT3 Marshes
NT3 Swamps
NT1 Terrestrial Ecosystems
NT2 Rangelands
NT2 Savannas
NT2 Swamps
RT Agriculture
RT Biology
RT Biosphere
RT Carbon Cycle
RT Ecology
RT Energy Balance
RT Environment
RT Environmental Exposure Pathway
RT Forest Litter
RT Mineral Cycling
RT Nature Reserves
RT Pesticides
RT Population Dynamics
RT Populations
RT Predator-Prey Interactions
RT Radioecological Concentration
RT Radionuclide Migration
RT Soils
RT Species Diversity
RT Sulfur Cycle

ECPA
DA November 28, 1977
USE Energy Conservation and Production Act

ECR
DA December 1, 1974
USE Electron Cyclotron-Resonance

ECR HEATING [01]
DA December 1, 1974
UF *Electron Cyclotron-Resonance Heating*
BT1 High-Frequency Heating
BT2 Plasma Heating
BT3 Heating
RT Electron Cyclotron-Resonance

ECSC [01]
DA December 1, 1974
UF *European Coal and Steel Community*
BT1 European Communities
BT2 International Organizations

ECUADOR [01]
DA December 1, 1974
BT1 Developing Countries
BT1 South America
BT2 Latin America
RT Andes
RT OPEC

ECZEMA [01]
DA December 1, 1974
BT1 Skin Diseases
BT2 Diseases
RT Allergy

EDDHA [01]
DA December 1, 1974
UF *N,N-Ethylenebis(2-(O-Hydroxyphenyl)Glycine)*
BT1 Amino Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT1 Chelating Agents
BT1 Hydroxy Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds

EDDINGTON THEORY [01]
DA December 1, 1974
RT Spectra

EDDY CURRENT TESTING [01]
DA December 1, 1974
BT1 Electromagnetic Testing
BT2 Nondestructive Testing
BT3 Materials Testing
BT4 Testing
RT Eddy Currents

EDDY CURRENTS [01]
(Limited to electric currents.)
DA December 1, 1974
BT1 Electric Currents
BT2 Currents
RT Eddy Current Testing

EDEMA [01]
DA December 1, 1974
BT1 Pathological Changes
BT1 Symptoms
RT Body Fluids
RT Diuretics
RT Extracellular Space
RT Retention

EDF-1 Reactor
DA December 1, 1974
USE Chinon-1 Reactor

EDF-2 Reactor
DA December 1, 1974
USE Chinon-2 Reactor

EDF-3 Reactor
DA December 1, 1974
USE Chinon-3 Reactor

EDF-4 Reactor
DA December 1, 1974
USE Saint Laurent-1 Reactor

EDF-5 Reactor
DA December 1, 1974
USE Bugey-1 Reactor

EDGE DISLOCATIONS [01]
DA December 1, 1974
BT1 Dislocations
BT2 Line Defects
BT3 Crystal Defects
BT4 Crystal Structure

EDGE LOCALIZED MODES [01]
DA January 3, 1990
UF *ELM (Plasma Physics)*
BT1 Plasma Macroinstabilities
BT2 Plasma Instability
BT3 Instability
RT H-Mode Plasma Confinement

EDNA DEPOSIT [01]
DA July 7, 1983
BT1 Oil Sand Deposits
BT2 Geologic Deposits
RT California
RT Oil Sands

EDS Liquefaction
DA October 27, 1980
USE Exxon Liquefaction Process

EDTA [01]
DA December 1, 1974
UF *Ethylenediaminetetraacetic Acid*
UF *Sequestrene*
UF *Versene*
BT1 Amino Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT1 Chelating Agents

EDUCATION [01]
DA December 1, 1974
NT1 Training
NT2 Computer-Aided Instruction
RT Adolescents
RT Computer-Aided Instruction
RT Curriculum Guides
RT Educational Facilities
RT Educational Tools
RT Learning
RT Manuals
RT Professional Personnel

EDUCATIONAL FACILITIES [01]
DA May 31, 1979
UF *Colleges*
UF *Facilities (Educational)*
UF *Museums*
UF *School Facilities*
UF *School Plant*
UF *Schools*
UF *Universities*
NT1 School Buildings
RT Education
RT Educational Tools
RT Exhibits
RT Libraries

EDUCATIONAL TOOLS [01]
DA June 21, 1977
UF *Tools (Educational)*
RT Curriculum Guides
RT Education
RT Educational Facilities
RT Exhibits
RT Training
DEF Activities or materials such as movies, slides, or computer media intended to assist in promoting learning or understanding.

Edwin I. Hatch-1 Reactor
DA December 1, 1974
USE Hatch-1 Reactor

Edwin I. Hatch-2 Reactor
DA December 1, 1974
USE Hatch-2 Reactor

EEL [01]
DA December 1, 1974
BT1 Fishes
BT2 Aquatic Organisms
BT2 Vertebrates
BT3 Animals

EES
DA April 12, 1977
USE US Energy Extension Service

EEV RANGE [01]
(10^{+18}eV < E < 10^{+21}eV)
DA August 24, 1976
BT1 Energy Range

EFD WIND GENERATORS
DA November 9, 1977
UF *Electrofluid Dynamic Wind Generator*
BT1 Direct Energy Converters
BT1 Wind Power Plants
BT2 Power Plants

EFDR-50 REACTOR [01]
(Entwickelter Fortschrittlicher Druckwasser Reaktor for ship propulsion with 50000 SHP.)
DA June 3, 1977
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Ship Propulsion Reactors
BT2 Propulsion Reactors
BT3 Reactors

EFFECTIVE CHARGE [01]
DA December 1, 1974
RT Electric Charges
RT Nuclear Screening
DEF Observed charge of nucleus or atom, less than Ze because of screening effects.

Effective Energy (Internal Irradiation)
DA December 1, 1974
USE Internal Irradiation
AND Spatial Dose Distributions

Effective Half-Life
DA December 1, 1974
USE Biological Half-Life

EFFECTIVE MASS [01]
DA December 1, 1974
BT1 Mass

EFFECTIVE RANGE THEORY [01]
DA December 1, 1974
RT Efimov Effect
RT Interactions
RT Nucleons
RT Scattering

EFFICIENCY [01]
DA December 1, 1974
UF+ *Automobile Efficiency Standards*
UF+ *Decontamination Factor*
UF+ *Dose Reduction Factor*
UF+ *Dose Relative Factor*
UF+ *DRF*
NT1 Energy Efficiency
NT1 Mechanical Efficiency
NT1 Quantum Efficiency
NT1 Thermal Efficiency
RT Coefficient of Performance
RT Comparative Evaluations
RT Feasibility Studies
RT Net Energy
RT Performance
RT Productivity
RT Spectral Response
RT Uses

Effluents (Chemical)
DA December 16, 1975
USE Chemical Effluents

Effluents (Gaseous)
DA December 16, 1975
USE Gaseous Wastes

Effluents (Liquid)
DA December 16, 1975
USE Liquid Wastes

Effluents (Radioactive)
DA December 16, 1975
USE Radioactive Effluents

Effluents (Thermal)
DA December 1, 1974
USE Thermal Effluents

Effusion
DA June 13, 1981
USE Diffusion

EFG METHOD
DA August 7, 1979
BT1 Crystal Growth Methods
RT CAST Method
RT Crystal Growth
RT Inverted Stepanov Method
DEF Edge-defined, film-fed growth method for crystal growth.

EFIMOV EFFECT [01]
DA December 13, 1985
RT Bound State
RT Effective Range Theory
RT Three-Body Problem
DEF The conjectured possibility of an anomalous behavior of a resonant interacting three-body system near the three-body breakup threshold.

EFR Reactor
DA April 12, 1977
USE Joyo Reactor

EGCR REACTOR [01]
DA December 1, 1974
UF *Experimental Gas Cooled Reactor*

BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Experimental Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Graphite Moderated Reactors
BT2 Reactors
BT1 Helium Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

EGGS [01]
DA December 1, 1974
UF *Yolk*
RT Birds
RT Food
RT Hatching
RT Ichthyoplankton
RT Ova

EGR Systems
DA January 7, 1976
USE Exhaust Recirculation Systems

EGTA [01]
(Ethyleneglycol-bis(2-aminoethylether)tetraacetic acid;Ethylenebis(oxyethylenenitrilo)-tetraacetic acid.)
DA November 10, 1977
BT1 Carboxylic Acids
BT2 Organic Acids
BT3 Organic Compounds
BT1 Chelating Agents
BT1 Glycols
BT2 Alcohols
BT3 Hydroxy Compounds
BT4 Organic Compounds

EGYPTIAN ARAB REPUBLIC [01]
DA December 1, 1974
UF *Arab Republic of Egypt*
UF *UAR*
UF *United Arab Republic*
BT1 Africa
BT1 Arab Countries
BT1 Developing Countries
BT1 Middle East
RT Nile River
RT OAPEC
RT Red Sea
RT Suez Canal

Eh
DA December 1, 1982
USE Redox Potential

EHD CHANNELS
DA March 28, 1979
UF *Electrohydrodynamic Channels*
RT Diffusers
RT EHD Generators

EHD GENERATORS [01]
DA December 1, 1974
UF *Electrohydrodynamic Generators*
BT1 Direct Energy Converters
RT EHD Channels
RT Electrohydrodynamics

Ehf Radiation
DA December 1, 1974
USE Microwave Radiation

EHRLICH ASCITES TUMOR [01]
DA December 1, 1974
BT1 Experimental Neoplasms
RT Ascites
RT Ascites Tumor Cells

EHV AC SYSTEMS [01]
(345-765 kV.)
DA May 17, 1976
UF *Extrahigh Voltage Alternating Current Systems*
BT1 AC Systems
BT2 Power Systems
BT3 Energy Systems

EHV DC SYSTEMS [01]
(345 to 765 kV.)
DA May 17, 1976
UF *Extrahigh Voltage Direct Current Systems*
BT1 DC Systems
BT2 Power Systems
BT3 Energy Systems

EICOSANOIC ACID [01]
DA December 1, 1974
UF *Arachidic Acid*
BT1 Monocarboxylic Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds

EIGENFREQUENCY [01]
DA December 1, 1974
UF *Frequency (Eigen)*
RT Eigenvalues
RT Hydrodynamic Mass Effect

EIGENFUNCTIONS [01]
DA December 1, 1974
BT1 Functions
RT Expectation Value
RT Quantum Mechanics
RT Sturm-Liouville Equation
RT Wave Functions

EIGENSTATES [01]
DA December 1, 1974
RT Energy Levels
RT Quantum Mechanics

EIGENVALUES [01]
DA December 1, 1974
RT Eigenfrequency
RT Expectation Value
RT Mathematical Operators
RT Multiplicity
RT Quantum Mechanics
RT Secular Equation

EIGENVECTORS [01]
DA December 1, 1974
RT Mathematical Operators
RT Mathematics
RT Vectors

Eightfold Way
DA December 1, 1974
USE Octet Model

EIIP
(Energy Integrated Industrial Parks.)
DA September 26, 1979
USE Energy Parks
AND Industrial Parks

EIKONAL APPROXIMATION [01]
DA December 1, 1974
RT Scattering Amplitudes
RT Straight-Line Path Approximation

Eindhoven Argonaut Reactor
DA December 1, 1974
USE Athene Reactor

EINDHOVEN CYCLOTRON [01]
DA March 24, 1983
BT1 Isochronous Cyclotrons
BT2 Cyclotrons
BT3 Cyclic Accelerators
BT4 Accelerators

EINSTEIN COEFFICIENTS [01]
DA December 1, 1974
RT Energy-Level Transitions
RT Oscillator Strengths
RT Stimulated Emission

Einstein-De Sitter Model
DA December 1, 1974
USE Cosmological Models

EINSTEIN EFFECT [01]
DA December 16, 1975
UF *Einstein Shift*
RT Doppler Effect
RT General Relativity Theory
RT Gravitation
RT Gravitational Fields
RT Red Shift
RT Spectral Shift
DEF A shift towards longer wavelengths of spectral lines emitted by atoms in strong gravitational fields

EINSTEIN FIELD EQUATIONS [01]
DA December 1, 1974
BT1 Field Equations
BT2 Equations
RT Cosmological Constant
RT General Relativity Theory
RT Gravitational Fields
RT Kerr Field

Einstein Gravitation Theory
DA December 1, 1974
USE General Relativity Theory

EINSTEIN-MAXWELL EQUATIONS [01]
DA February 20, 1975
UF *Electrovac Equations*
BT1 Field Equations
BT2 Equations
RT Electromagnetic Fields
RT General Relativity Theory
RT Gravitational Fields
RT Gravitational Waves

EINSTEIN-SCHROEDINGER THEORY [01]
DA December 1, 1974
BT1 Unified-Field Theories
BT2 Field Theories

Einstein Shift
DA December 16, 1975
USE Einstein Effect

EINSTEINIUM [01]
DA December 1, 1974
BT1 Actinides
BT2 Metals
BT3 Elements
BT1 Transplutonium Elements
BT2 Transuranium Elements
BT3 Elements

EINSTEINIUM 243 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Einsteinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

EINSTEINIUM 244 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Einsteinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

EINSTEINIUM 245 [01]
DA December 1, 1974

BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Einsteinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

EINSTEINIUM 246 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Einsteinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

EINSTEINIUM 247 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Einsteinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

EINSTEINIUM 248 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Einsteinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

EINSTEINIUM 249 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Einsteinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

EINSTEINIUM 250 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Einsteinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

EINSTEINIUM 251 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Einsteinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

EINSTEINIUM 252 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Einsteinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

EINSTEINIUM 253 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Einsteinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

EINSTEINIUM 253 TARGET [01]
DA August 24, 1977
BT1 Targets

EINSTEINIUM 254 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Einsteinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

EINSTEINIUM 254 TARGET [01]
DA July 9, 1976
BT1 Targets

EINSTEINIUM 255 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Einsteinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

EINSTEINIUM 255 TARGET [01]
DA July 5, 1978
BT1 Targets

EINSTEINIUM 256 [01]
DA September 14, 1976
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Einsteinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes

BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

Einsteinium Additions
(Prior to August 1993 this was a valid descriptor.)
DA January 20, 1975
USE Alloys

EINSTEINIUM ALLOYS
DA February 26, 1975
BT1 Alloys

EINSTEINIUM BROMIDES [01]
DA April 8, 1975
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Einsteinium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds

EINSTEINIUM CARBIDES [01]
DA December 1, 1974
BT1 Carbides
BT2 Carbon Compounds
BT1 Einsteinium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds

EINSTEINIUM CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Einsteinium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds

EINSTEINIUM COMPLEXES [01]
DA December 1, 1974
BT1 Actinide Complexes
BT2 Complexes
BT1 Transuranium Complexes

EINSTEINIUM COMPOUNDS [01]
DA December 1, 1974
BT1 Actinide Compounds
BT1 Transplutonium Compounds
BT2 Transuranium Compounds
NT1 Einsteinium Bromides
NT1 Einsteinium Carbides
NT1 Einsteinium Chlorides
NT1 Einsteinium Fluorides
NT1 Einsteinium Hydroxides
NT1 Einsteinium Iodides
NT1 Einsteinium Nitrates
NT1 Einsteinium Nitrides
NT1 Einsteinium Oxides
NT1 Einsteinium Sulfides

EINSTEINIUM FLUORIDES [01]
DA January 9, 1981
BT1 Einsteinium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds

EINSTEINIUM HYDROXIDES [01]
DA January 20, 1975
BT1 Einsteinium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds

EINSTEINIUM IODIDES [01]
DA December 1, 1974
BT1 Einsteinium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds

EINSTEINIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

EINSTEINIUM ISOTOPES [01]
DA December 1, 1974
BT1 Actinide Isotopes
BT2 Isotopes
NT1 Einsteinium 243
NT1 Einsteinium 244
NT1 Einsteinium 245
NT1 Einsteinium 246
NT1 Einsteinium 247
NT1 Einsteinium 248
NT1 Einsteinium 249
NT1 Einsteinium 250
NT1 Einsteinium 251
NT1 Einsteinium 252
NT1 Einsteinium 253
NT1 Einsteinium 254
NT1 Einsteinium 255
NT1 Einsteinium 256

EINSTEINIUM NITRATES [01]
DA December 1, 1974
BT1 Einsteinium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds

EINSTEINIUM NITRIDES [01]
DA December 1, 1974
BT1 Einsteinium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides

EINSTEINIUM OXIDES [01]
DA December 1, 1974
BT1 Einsteinium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds

EINSTEINIUM SULFIDES [01]
DA December 1, 1974
BT1 Einsteinium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds

Eka-Astatine
DA April 6, 1978
USE Element 117

Eka-Bismuth
DA April 6, 1978
USE Element 115

Eka-Gold
DA April 6, 1978
USE Element 111

Eka-Hafnium
DA April 6, 1978
USE Element 104

Eka-Iridium
DA April 6, 1978
USE Element 109

Eka-Lead
DA April 6, 1978
USE Element 114

Eka-Mercury
DA April 6, 1978
USE Element 112

Eka-Osmium
DA April 6, 1978
USE Element 108

Eka-Platinum
DA April 6, 1978
USE Element 110

Eka-Polonium
DA April 6, 1978
USE Element 116

Eka-Radon
DA April 6, 1978
USE Element 118

Eka-Rhenium
DA April 6, 1978
USE Element 107

Eka-Tantalum
DA April 6, 1978
USE Element 105

Eka-Thallium
DA April 6, 1978
USE Element 113

Eka-Tungsten
DA April 6, 1978
USE Element 106

EKANITE [01]
DA December 1, 1974
BT1 Silicate Minerals
BT2 Minerals
BT1 Thorium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
BT1 Thorium Silicates
BT2 Silicates
BT3 Oxygen Compounds
BT3 Silicon Compounds
BT2 Thorium Compounds
BT3 Actinide Compounds
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
BT1 Uranium Silicates
BT2 Silicates
BT3 Oxygen Compounds
BT3 Silicon Compounds
BT2 Uranium Compounds
BT3 Actinide Compounds

EKU
DA December 1, 1974
USE Erevan Synchrotron

EL-1 REACTOR [01]
DA December 1, 1974
UF *Zoe Reactor*
BT1 Experimental Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Heavy Water Cooled Reactors
BT2 Reactors
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 Research Reactors

BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

EL-2 REACTOR [01]
DA December 1, 1974
BT1 Carbon Dioxide Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

EL-3 REACTOR [01]
(Saclay, France)
DA December 1, 1974
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Heavy Water Cooled Reactors
BT2 Reactors
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Materials Testing Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors

EL-4 REACTOR [01]
(Brennillis, Monts Arrel, France)
DA December 1, 1974
BT1 Carbon Dioxide Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 HWGCR Type Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Pressure Tube Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

El Nino
DA June 21, 1991
USE Southern Oscillation

EL SALVADOR [01]
DA December 1, 1974
BT1 Central America
BT2 Latin America
BT1 Developing Countries
RT Ahuachapan Geothermal Field

EL TATIO GEOTHERMAL FIELD [01]
DA April 8, 1975
BT1 Geothermal Fields
RT Chile

Elastic Properties
DA December 1, 1974
USE Elasticity

ELASTIC SCATTERING [01]
DA December 1, 1974
BT1 Scattering
NT1 Bhabha Scattering
NT1 Compton Effect
NT1 Coulomb Scattering
NT1 Moeller Scattering
NT1 Mott Scattering
NT1 Potential Scattering
NT1 Rutherford Scattering
NT1 Wigner Scattering
RT Blair Model
RT Coherent Scattering
RT Quasi-Elastic Scattering
RT Ramsauer Effect
RT Rosenbluth Formula
RT Skyrme Potential
RT Zero-Range Approximation

ELASTICITY [01]
DA December 1, 1974
UF *Elastic Properties*
BT1 Tensile Properties
BT2 Mechanical Properties
NT1 Photoelasticity
NT1 Thermoelasticity
RT Deformation
RT Hooke Law
RT Poisson Ratio
RT Shape Memory Effect
RT Strains
RT Young Modulus

Elasticity (Economic)
DA August 25, 1980
USE Economic Elasticity

ELASTOMERS [01]
DA December 1, 1974
BT1 Polymers
NT1 Neoprene
NT1 Polyisoprene
NT1 Rubbers
NT2 Buna
NT2 Latex
NT2 Natural Rubber
NT2 Silastic
NT2 Viton
RT Gutta Percha
RT Vulcanized Elastomers

ELDERLY PEOPLE [01]
DA February 14, 1978
UF *Aged*
BT1 Aged Adults
BT2 Adults
BT3 Age Groups
BT1 Minority Groups
BT2 Human Populations
BT3 Populations
RT Handicapped People
RT Life Cycle
RT Population Dynamics
RT Sociology

ELDOR [01]
DA December 1, 1974
UF *Electron-Electron Double Resonance*
BT1 Magnetic Resonance
BT2 Resonance
RT Double Resonance Methods

ELECTRETS [01]
DA December 1, 1974
BT1 Dielectric Materials
BT2 Materials
RT Polarization

ELECTRIC APPLIANCES [01]
DA June 21, 1977
BT1 Appliances
BT2 Equipment
RT Air Conditioners
RT Clothes Dryers
RT Clothes Washers
RT Compactors
RT Dehumidifiers
RT Dishwashers
RT Food Disposers
RT Freezers
RT Humidifiers
RT Microwave Ovens
RT Ovens
RT Refrigerators

ELECTRIC ARCS [01]
DA December 1, 1974
BT1 Electric Currents
BT2 Currents
BT1 Electric Discharges
RT Electrical Faults
RT Flashover
RT Plasma

ELECTRIC BATTERIES [01]
(Devices for production and/or storage of electrical energy from chemical reactions; excludes FUEL CELLS and RADIOISOTOPE BATTERIES.)
DA December 1, 1974
UF *Batteries (Electric)*
UF *Secondary Batteries*
UF *Storage Batteries*
UF *Voltaic Cells*
BT1 Electrochemical Cells
NT1 Lead-Acid Batteries
NT1 Metal-Gas Batteries
NT2 Aluminium-Air Batteries
NT2 Cadmium-Air Batteries
NT2 Iron-Air Batteries
NT2 Lithium-Chlorine Batteries
NT2 Lithium-Water-Air Batteries
NT2 Nickel-Hydrogen Batteries
NT2 Silver-Hydrogen Batteries
NT2 Zinc-Air Batteries
NT2 Zinc-Chlorine Batteries
NT1 Metal-Metal Batteries
NT1 Metal-Metal Oxide Batteries
NT2 Iron-Nickel Batteries
NT2 Nickel-Cadmium Batteries
NT2 Nickel-Zinc Batteries
NT2 Silver-Cadmium Batteries
NT2 Silver-Zinc Batteries
NT2 Zinc-Manganese Batteries
NT1 Metal-Nonmetal Batteries
NT2 Lithium-Copper Chloride Batteries
NT2 Lithium-Sulfur Batteries
NT2 Sodium-Sulfur Batteries
NT2 Zinc-Bromine Batteries
NT1 Primary-Secondary Hybrid Batteries
NT1 Thermal Batteries
RT Battery Charge State
RT Battery Paste
RT Battery Separators
RT Cardiac Pacemakers
RT Electric-Powered Vehicles
RT Electrical Equipment
RT Electrolytic Cells
RT Electromotive Force
RT Energy Storage
RT Energy Storage Systems
RT Hybrid Electric-Powered Vehicles
RT Matrix Materials
RT Off-Peak Energy Storage
RT Primary Batteries
RT Solid Electrolytes

ELECTRIC BORN MODEL [01]
DA May 5, 1975
BT1 OPE Model
BT2 OBE Model
BT3 Boson-Exchange Models
BT4 Peripheral Models
BT5 Particle Models
BT6 Mathematical Models
RT Electroproduction
RT Photoproduction

ELECTRIC BRIDGES [01]
DA December 1, 1974
UF *Bridges (Electric)*
BT1 Electrical Equipment
BT2 Equipment
RT Electric Measuring Instruments

ELECTRIC CABLES [01]
DA December 1, 1974
UF *Cables (Electric)*
BT1 Cables
BT1 Conductor Devices
BT2 Electrical Equipment
BT3 Equipment
NT1 Coaxial Cables
NT1 Cryogenic Cables
NT1 Gas-Insulated Cables

NT1 Oil-Filled Cables
NT1 Superconducting Cables
RT Power Transmission Lines

ELECTRIC CHARGES [01]
DA December 1, 1974
UF *Electric Monopoles*
NT1 Point Charge
RT Battery Charge State
RT C Invariance
RT Capacitance
RT Charge Carriers
RT Charge Conservation
RT Charge Density
RT Charge Distribution
RT Charge States
RT Charge Transport
RT Effective Charge
RT Electrostatic Charge Eliminators
RT Electrostatics
RT Minus-Plus Ratio
RT Polar Compounds
RT Positive Excess
RT Pyroelectric Effect
RT Space Charge

ELECTRIC COILS [01]
DA December 1, 1974
UF *Coils (Electric)*
BT1 Electrical Equipment
BT2 Equipment
NT1 Magnet Coils
NT2 Pulsed Magnet Coils
NT1 Rogowski Coil
NT1 Solenoids
RT Electromagnets
RT Magnetic Circuits
RT Transformers
RT Winding Machines

Electric Condensers
DA December 1, 1974
USE Capacitors

ELECTRIC CONDUCTIVITY [01]
DA December 1, 1974
UF *Conductivity (Electric)*
UF *Electric Resistivity*
UF *Electrical Conductivity*
UF *Electrical Resistance*
UF *Electrical Resistivity*
UF *Ohmic Resistance*
UF *Resistivity (Electric)*
UF *VA Characteristic*
UF *Volt-Ampere Characteristic*
BT1 Electrical Properties
BT2 Physical Properties
NT1 Ionic Conductivity
NT1 Magnetoresistance
NT1 Photoconductivity
NT1 Superconductivity
RT Carrier Mobility
RT Electric Conductors
RT Electric Impedance
RT Electrical Testing
RT Electrophysiology
RT Grueneisen Formula
RT Impedance
RT Inductance
RT Matthiessen Rule
RT Ohm Law
RT Umklapp Processes
RT Wiedemann-Franz Law

ELECTRIC CONDUCTORS [01]
DA December 1, 1974
UF *Conductors (Electric)*
RT Conductor Devices
RT Electric Conductivity
RT Electron Mobility
RT Foucault Current
RT Hall Effect
RT Photoconductors
RT Semiconductor Materials
RT Skin Effect
RT Superconductors

Electric Contactors
DA December 1, 1974
USE Switches

ELECTRIC CONTACTS [01]
DA December 1, 1974
UF *Contacts (Electric)*
UF *Point Contacts*
BT1 Electrical Equipment
BT2 Equipment
RT Switches

ELECTRIC CONTROLLERS [01]
DA December 1, 1974
BT1 Control Equipment
BT2 Equipment
RT Surges
RT Voltage Regulators

Electric Cooperatives
DA July 9, 1993
USE Cooperatives
AND Electric Utilities

ELECTRIC CURRENTS [01]
DA December 1, 1974
UF *Currents (Electric)*
BT1 Currents
NT1 Alternating Current
NT1 Bootstrap Current
NT1 Critical Current
NT1 Direct Current
NT1 Eddy Currents
NT1 Electric Arcs
NT1 Electrojets
NT1 Faraday Current
NT1 Flashover
NT1 Foucault Current
NT1 Leakage Current
NT1 Photocurrents
NT1 Ring Currents
NT1 Threshold Current
RT Current Density
RT Current Limiters
RT Electricity
RT Electrocarbonization
RT Electrocardiograms
RT Excitation Systems
RT Kruskal Limit
RT Non-Inductive Current Drive
RT Overcurrent
RT Skin Effect
RT Surges

ELECTRIC DIPOLE MOMENTS [01]
DA December 1, 1974
BT1 Dipole Moments
BT1 Electric Moments
RT Nuclear Electric Moments
RT Polarizability

Electric Dipole Transitions
DA April 28, 1978
USE E1-Transitions

ELECTRIC DIPOLES [01]
DA December 1, 1974
BT1 Dipoles
BT2 Multipoles
RT Electric Fields

Electric Discharge Pumping
DA May 7, 1977
USE Electrical Pumping

ELECTRIC DISCHARGES [01]
DA December 1, 1974
UF *Discharges (Electric)*
NT1 Corona Discharges
NT1 Electric Arcs
NT1 Electric Sparks
NT1 Flashover
NT1 Glow Discharges
NT1 High-Frequency Discharges
NT1 Lightning
NT2 Ball Lightning
NT1 Penning Discharges
NT1 Townsend Discharge
RT Afterglow
RT Breakdown
RT Paschen Law
RT Positive Column
RT Saha Equation
RT Spark Gaps
RT Striations
RT Switches

ELECTRIC FIELDS [01]
DA December 1, 1974
UF *Fields (Electric)*
NT1 Coulomb Field
RT Casimir Effect
RT Crossed Fields
RT Electric Dipoles
RT Electromagnetic Fields
RT Excitation Systems
RT Inhomogeneous Fields
RT Nuclear Quadrupole Resonance
RT Parametric Instabilities
RT Stark Effect

ELECTRIC FILTERS [01]
DA December 1, 1974
UF *Filters (Electric)*
BT1 Filters

ELECTRIC FURNACES [01]
DA December 1, 1974
BT1 Furnaces
NT1 Arc Furnaces
NT1 Ceramic Melters
NT1 Induction Furnaces

ELECTRIC FUSES [01]
DA December 1, 1974
UF *Fuses (Electric)*
BT1 Conductor Devices
BT2 Electrical Equipment
BT3 Equipment
BT1 Equipment Protection Devices
RT Circuit Breakers
RT Switches

ELECTRIC GENERATORS [01]
(Rotating generators only; excludes DIRECT ENERGY CONVERTERS.)
DA December 1, 1974
UF *Generators (Electric)*
UF+ *Wind Generators*
NT1 Alternators
NT1 Flux Pumps
NT1 Homopolar Generators
NT1 Induction Generators
NT1 Rotating Generators
NT1 Superconducting Generators
NT1 Turbogenerators
NT1 Water Current Power Generators
RT Armatures
RT Excitation Systems

ELECTRIC GROUNDS [01]
DA January 20, 1975
UF *Earthing*
UF *Grounds*
UF *Grounds (Electric)*
RT Electrical Faults
RT Electronic Circuits

ELECTRIC HEATING
DA April 12, 1977
BT1 Heating
NT1 Radiant Cable Heating
NT1 Resistance Heating
NT2 Joule Heating
NT3 Current-Drive Heating
RT Baseboard Heating
RT Heat Pumps
RT Space Heating

Electric Hexadecapole Transitions
DA April 28, 1978
USE E4-Transitions

ELECTRIC IMPEDANCE [01]
DA December 16, 1975
BT1 Impedance
RT Capacitance
RT Electric Conductivity

ELECTRIC LOGGING
DA January 10, 1977
BT1 Well Logging
NT1 Induced Polarization Logging
NT1 Induction Logging
NT1 Resistivity Logging
NT1 SP Logging
RT Electrical Surveys

ELECTRIC MEASURING INSTRUMENTS [01]
DA December 1, 1974
BT1 Electrical Equipment
BT2 Equipment
BT1 Measuring Instruments
NT1 Ammeters
NT1 Electrometers
NT1 Electroscopes
NT1 Galvanometers
NT1 Potentiometers
NT1 Power Meters
NT1 Voltmeters
RT Electric Bridges
RT Electronic Equipment
RT Faraday Cups

ELECTRIC MOMENTS [01]
DA December 1, 1974
NT1 Electric Dipole Moments
NT1 Nuclear Electric Moments
RT Gyroelectric Ratio
RT Quadrupole Moments

Electric Monopole Transitions
DA April 28, 1978
USE E0-Transitions

Electric Monopoles
DA December 1, 1974
USE Electric Charges

ELECTRIC MOTORS [01]
DA February 5, 1975
BT1 Motors
BT2 Engines
NT1 Superconducting Motors
RT Armatures

Electric Octupole Transitions
DA April 28, 1978
USE E3-Transitions

ELECTRIC POTENTIAL [01]
DA December 1, 1974
UF *Potential (Electric)*
UF *Voltage*
NT1 Plasma Potential
RT Breakdown
RT Electromotive Force
RT Electrophysiology
RT Ionization Potential
RT Overvoltage
RT Paschen Law
RT Pyroelectric Effect
RT Surges
RT Voltage Drop

ELECTRIC POWER [01]
DA December 1, 1974
BT1 Power
NT1 Hydroelectric Power
NT1 Off-Peak Power
NT1 Surplus Power
RT Alaska Power Administration
RT Blackouts
RT Bonneville Power Administration
RT Brownouts
RT Combined Cycles
RT Demand Factors
RT Dispersed Storage and Generation
RT Electric Power Industry
RT Electric Utilities
RT Electricity
RT EPRI
RT Line Losses
RT Load Management
RT Marginal-Cost Pricing
RT Master Metering
RT Nuclear Power
RT On-Site Power Generation
RT Peak-Load Pricing
RT Power Demand
RT Power Generation
RT Power Losses
RT Power Meters
RT Power Plants
RT Power Potential
RT Power Supplies
RT Power Transmission
RT Public Utilities
RT Southeastern Power Administration
RT Southwestern Power Administration
RT Spacecraft Power Supplies
RT Time-of-Use Pricing
RT VAR Control Systems
RT Western Area Power Administration

ELECTRIC POWER INDUSTRY [01]
(Use only for general papers when terms such as ELECTRIC POWER, ELECTRIC UTILITIES, or POWER SYSTEMS will not suffice.)
DA February 14, 1978
BT1 Industry
RT Electric Power
RT Electric Reliability Councils
RT Electric Utilities
RT EPRI
RT Nuclear Power
RT Power Systems

Electric Power Research Institute
DA January 10, 1977
USE EPRI

Electric Power Substations
DA July 7, 1976
USE Power Substations

Electric Power Systems
DA February 23, 1976
USE Power Systems

ELECTRIC-POWERED VEHICLES [01]
DA January 27, 1975
BT1 Vehicles
NT1 Hybrid Electric-Powered Vehicles
NT1 Roadway-Powered Electric Vehicles
RT AAPS
RT Electric Batteries
RT Electric Railways
RT Fuel Cells
RT Regenerative Braking

ELECTRIC PROBES [01]
DA December 1, 1974
BT1 Probes
NT1 Langmuir Probe
NT1 Plasma Eaters

Electric Pulses
DA December 1, 1974
USE Pulses

Electric Quadrupole Transitions
DA April 28, 1978
USE E2-Transitions

ELECTRIC RAILWAYS
DA January 10, 1977
BT1 Railways
RT Electric-Powered Vehicles
RT Rapid Transit Systems
RT Trains

ELECTRIC RELIABILITY COUNCILS
DA September 27, 1979
UF *National Electric Reliability Councils*
UF *Regional Electric Reliability Councils*
RT Electric Power Industry
RT Electric Utilities

Electric Resistivity
DA December 1, 1974
USE Electric Conductivity

ELECTRIC RESONANCE [01]
DA December 1, 1974
BT1 Resonance
NT1 Paraelectric Resonance

ELECTRIC SHOCK
(Coordinate the descriptors below with THERAPY if appropriate.)
DA July 24, 1979
UF *Shock (Electric)*
RT Biological Shock

ELECTRIC SPARKS [01]
DA December 1, 1974
UF *Sparks (Electric)*
BT1 Electric Discharges
RT Breakdown
RT Electrostatics
RT Flashover
RT Spark Drills
RT Spark Gaps

Electric Switches
DA December 1, 1974
USE Switches

ELECTRIC UTILITIES [01]
DA February 15, 1978
UF+ *Electric Cooperatives*
SF *Utilities*
BT1 Public Utilities
RT Cooperatives
RT Dispersed Storage and Generation
RT Electric Power
RT Electric Power Industry
RT Electric Reliability Councils
RT Fossil-Fuel Power Plants
RT Interconnected Power Systems
RT Load Analysis
RT Master Metering
RT Peak Load
RT Power Pooling
RT Power Systems
RT Rate Structure
RT Surplus Power
RT US Power Plant and Industrial Fuel Use Act
DEF Enterprises engaged in the generation, transmission, and distribution of electric power; may be investor-owned, cooperatively owned, or government-owned.

Electrical Breakdown
DA January 10, 1977
USE Electrical Faults

Electrical Conductivity
DA December 1, 1974
USE Electric Conductivity

ELECTRICAL ENGINEERING [01]
DA June 14, 1978
BT1 Engineering

ELECTRICAL EQUIPMENT [01]
DA December 1, 1974
BT1 Equipment
NT1 Antennas
NT2 Radio Telescopes
NT2 Rectennas
NT1 Battery Chargers
NT2 Solar Battery Chargers
NT1 Capacitors
NT1 Circuit Breakers
* **NT1** Conductor Devices
NT1 Current Limiters
NT1 DC to DC Converters
NT1 Electric Bridges
NT1 Electric Coils
NT2 Magnet Coils
NT3 Pulsed Magnet Coils
NT2 Rogowski Coil
NT2 Solenoids
NT1 Electric Contacts
NT1 Electric Measuring Instruments
NT2 Ammeters
NT2 Electrometers
NT2 Electroscopes
NT2 Galvanometers
NT2 Potentiometers
NT2 Power Meters
NT2 Voltmeters
NT1 Electrical Insulators
NT1 Electromagnets
NT2 Beam Bending Magnets
NT2 Beam Focusing Magnets
NT2 Kicker Magnets
NT2 Septum Magnets
NT2 Superconducting Magnets

NT2 Wiggler Magnets
NT1 Inverters
NT1 Lightning Arresters
NT1 Potheads
NT1 Rectifiers
NT2 Semiconductor Rectifiers
NT1 Relays
NT1 Resistors
NT2 Photoresistors
NT2 Rheostats
NT2 Semiconductor Resistors
NT1 Rotating Generators
NT1 Shunt Reactors
NT1 Switches
NT2 Plasma Switches
NT2 Semiconductor Switches
NT1 Transformers
NT2 Gas-Insulated Transformers
RT Electric Batteries
RT Electron Tubes
RT Electronic Circuits
RT Electronic Equipment
RT Excitation Systems
RT Lighting Systems
RT Miniaturization
RT Potting
RT Potting Materials
RT Power Supplies
RT Radar
RT Reactor Components
RT Semiconductor Devices
RT Sonar
RT Transducers
RT Waveguides

ELECTRICAL FAULTS [01]
DA January 10, 1977
UF *Electrical Breakdown*
UF *Short Circuits*
RT Breakdown
RT Electric Arcs
RT Electric Grounds
RT Flashover

ELECTRICAL INSULATION [01]
DA January 20, 1975
UF *Insulation (Electrical)*
RT Dielectric Materials
RT Electrical Insulators
RT Organic Insulators

ELECTRICAL INSULATORS [01]
DA February 23, 1976
UF *Insulators (Electrical)*
BT1 Electrical Equipment
BT2 Equipment
RT Dielectric Materials
RT Electrical Insulation
RT Insulating Oils
RT Organic Insulators

ELECTRICAL PROPERTIES [01]
DA December 1, 1974
BT1 Physical Properties
NT1 Capacitance
NT1 Dielectric Properties
NT2 Kerr Effect
NT1 Electric Conductivity
NT2 Ionic Conductivity
NT2 Magnetoresistance
NT2 Photoconductivity
NT2 Superconductivity
NT1 Inductance
NT1 Polarizability
NT1 Thermoelectric Properties
RT Electricity
RT Electro-Optical Effects
RT Magnetic Properties
RT Photoelectromagnetic Effects

ELECTRICAL PUMPING [01]
DA May 7, 1977
UF *Electric Discharge Pumping*
BT1 Pumping
NT1 Electron Beam Pumping
RT Lasers
DEF Pumping achieved by allowing a suitable electric current to pass through the lasing medium.

Electrical Resistance
DA December 1, 1974
USE Electric Conductivity

Electrical Resistivity
DA December 1, 1974
USE Electric Conductivity

ELECTRICAL SURVEYS [01]
DA January 23, 1975
BT1 Geophysical Surveys
BT2 Surveys
NT1 Electromagnetic Surveys
NT2 Magnetotelluric Surveys
NT1 Resistivity Surveys
NT1 Self-Potential Surveys
NT1 Telluric Surveys
RT Electric Logging
RT Exploration
RT Geothermal Exploration
RT Induced Polarization Logging
RT Resistivity Logging
DEF Surveys or mapping of a portion of the earth's interior by use of one of the electrical methods.

ELECTRICAL TESTING [01]
DA December 1, 1974
BT1 Nondestructive Testing
BT2 Materials Testing
BT3 Testing
RT Electric Conductivity

ELECTRICAL TRANSIENTS [01]
DA July 24, 1979
BT1 Transients
BT1 Voltage Drop
RT Overvoltage
RT Power Systems
RT Surges
RT VAR Control Systems
DEF Temporary oscillations that occurs in circuits because of sudden changes of voltage, load or frequency.

ELECTRICITE DE FRANCE
DA March 24, 1983
BT1 French Organizations
BT2 National Organizations

ELECTRICITY [01]
(Only for the physical phenomenon sense; for utility purposes, use ELECTRIC POWER.)
DA December 1, 1974
NT1 Bioelectricity
NT1 Piezoelectricity
NT1 Thermoelectricity
RT Electric Currents
RT Electric Power
RT Electrical Properties
RT Off-Peak Power

Electricity Supply Company Reactor
DA December 1, 1974
USE ESCOM Reactor

ELECTRO-OPTICAL EFFECTS [01]
DA August 4, 1976
NT1 Electrochromism
RT Electrical Properties
RT Magneto-Optical Effects
RT Optical Properties

ELECTROCARBONIZATION
DA January 27, 1975
BT1 Carbonization
BT2 Decomposition
BT3 Chemical Reactions
RT Electric Currents

ELECTROCARDIOGRAMS [01]
DA December 1, 1974
BT1 Diagrams
RT Cardiography
RT Diagnostic Techniques
RT Electric Currents
RT Heart
RT Pulses
RT Recording Systems

ELECTROCATALYSTS [01]
DA October 30, 1978
UF *Fuel Cell Catalysts*
BT1 Catalysts
RT Catalysis
RT Catalytic Effects

ELECTROCHEMICAL CELLS [01]
DA January 24, 1975
NT1 Electric Batteries
NT2 Lead-Acid Batteries
NT2 Metal-Gas Batteries
NT3 Aluminium-Air Batteries
NT3 Cadmium-Air Batteries
NT3 Iron-Air Batteries
NT3 Lithium-Chlorine Batteries
NT3 Lithium-Water-Air Batteries
NT3 Nickel-Hydrogen Batteries
NT3 Silver-Hydrogen Batteries
NT3 Zinc-Air Batteries
NT3 Zinc-Chlorine Batteries
NT2 Metal-Metal Batteries
NT2 Metal-Metal Oxide Batteries
NT3 Iron-Nickel Batteries
NT3 Nickel-Cadmium Batteries
NT3 Nickel-Zinc Batteries
NT3 Silver-Cadmium Batteries
NT3 Silver-Zinc Batteries
NT3 Zinc-Manganese Batteries
NT2 Metal-Nonmetal Batteries
NT3 Lithium-Copper Chloride Batteries
NT3 Lithium-Sulfur Batteries
NT3 Sodium-Sulfur Batteries
NT3 Zinc-Bromine Batteries
NT2 Primary-Secondary Hybrid Batteries
NT2 Thermal Batteries
NT1 Electrochemical Engines
NT1 Fuel Cells
NT2 Acid Electrolyte Fuel Cells
NT2 Alcohol Fuel Cells
NT2 Alkaline Electrolyte Fuel Cells
NT2 Ammonia Fuel Cells
NT2 Biochemical Fuel Cells
NT2 Coal Fuel Cells
NT2 Formaldehyde Fuel Cells
NT2 Formate Fuel Cells
NT2 Formic Acid Fuel Cells
NT2 High-Temperature Fuel Cells
NT3 Molten Carbonate Fuel Cells
NT2 Hydrazine Fuel Cells
NT2 Hydrocarbon Fuel Cells
NT2 Hydrogen Fuel Cells
NT2 Natural Gas Fuel Cells
NT2 Regenerative Fuel Cells
NT3 Redox Fuel Cells
NT2 Solid Electrolyte Fuel Cells
NT1 Photoelectrochemical Cells
NT2 Photoelectrolytic Cells
NT2 Photogalvanic Cells
RT Electrochemical Energy Conversion
RT Electrochemistry
RT Primary Batteries

ELECTROCHEMICAL COATING [01]
DA December 1, 1974
BT1 Chemical Coating
BT2 Surface Coating
BT3 Deposition
NT1 Anodization

ELECTROCHEMICAL CORROSION [01]
DA December 1, 1974
UF *Bimetallic Corrosion*
UF *Couple Corrosion*
UF *Electrolytic Corrosion*
UF *Galvanic Corrosion*
BT1 Corrosion
BT2 Chemical Reactions
RT Cathodic Protection
RT Electrochemistry
RT Electrolysis

ELECTROCHEMICAL ENERGY CONVERSION
DA July 18, 1981
BT1 Energy Conversion
BT2 Conversion
RT Electrochemical Cells

ELECTROCHEMICAL ENGINES
DA August 8, 1978
BT1 Electrochemical Cells

ELECTROCHEMICAL MACHINING [01]
DA December 1, 1974
BT1 Chemical Machining
BT2 Machining

ELECTROCHEMISTRY [01]
DA December 1, 1974
BT1 Chemistry
RT Electrochemical Cells
RT Electrochemical Corrosion
RT Electrochromism
RT Electrometallurgy
RT Fuel Cells
RT Photoelectrochemical Cells

ELECTROCHROMISM
DA June 29, 1984
BT1 Electro-Optical Effects
RT Color
RT Electrochemistry
DEF A reversible color change in a material induced by the injection of ions under an applied current.

ELECTRODEPOSITED COATINGS [01]
DA December 1, 1974
BT1 Coatings
RT Electroplating

ELECTRODEPOSITION [01]
DA December 1, 1974
BT1 Electrolysis
BT2 Lysis
BT1 Surface Coating
BT2 Deposition
NT1 Electroplating
RT Electrometallurgy

ELECTRODES [01]
DA December 1, 1974
NT1 Anodes
NT2 Photoanodes
NT1 Cathodes
NT2 Hollow Cathodes
NT2 Photocathodes
NT1 Dees
NT1 Grids
NT1 Ion-Selective Electrodes
RT Battery Paste
RT Electron Tubes
RT Ion Selective Electrode Analysis

ELECTRODIALYSIS [01]
DA June 30, 1977
BT1 Dialysis
BT2 Separation Processes

ELECTRODYNAMICS [01]
DA December 1, 1974
UF *Electrokinetics*
NT1 Quantum Electrodynamics
NT2 Schwinger-Tomonaga Formalism
RT Born-Infeld Theory
RT Charge Renormalization
RT Electromagnetic Fields
RT Electromagnetic Interactions
RT Electromagnetism
RT Field Theories
RT Maxwell Equations

ELECTROENCEPHALOGRAPHY [01]
DA July 24, 1979
BT1 Diagnostic Techniques
RT Brain

ELECTROFISSION [01]
(Fission of heavy nuclei by MeV range electrons.)
DA June 3, 1977
BT1 Electron Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions
BT2 Lepton Reactions
BT3 Nuclear Reactions
BT1 Fission
BT2 Nuclear Reactions

Electrofluid Dynamic Wind Generator
DA November 9, 1977
USE EFD Wind Generators

ELECTROGASDYNAMICS [01]
DA December 1, 1974
BT1 Fluid Mechanics
BT2 Mechanics
RT Gas Flow

Electrohydrodynamic Channels
DA March 28, 1979
USE EHD Channels

Electrohydrodynamic Generators
DA December 1, 1974
USE EHD Generators

ELECTROHYDRODYNAMICS [01]
DA December 1, 1974
BT1 Hydrodynamics
BT2 Fluid Mechanics
BT3 Mechanics
RT Direct Energy Conversion
RT EHD Generators

ELECTROJETS [01]
DA December 1, 1974
UF *Auroral Electrojets*
UF *Equatorial Electrojets*
BT1 Electric Currents
BT2 Currents
RT Ring Currents

Electrokinetics
DA December 1, 1974
USE Electrodynamics

ELECTROLINKING
DA June 7, 1976
BT1 Borehole Linking
BT1 Fracturing
RT Boreholes
RT In-Situ Gasification
DEF In underground gasification, the linking of holes drilled into a fossil fuel seam with the aid of electric current.

ELECTROLUMINESCENCE [01]
DA December 1, 1974
BT1 Luminescence

ELECTROLYSIS [01]
DA December 1, 1974
BT1 Lysis
NT1 Anodization
NT1 Electrodeposition
NT2 Electroplating
NT1 Electropolishing
NT1 Electrorefining
NT1 Photoelectrolysis
RT Anions
RT Cations
RT Dissociation
RT Electrochemical Corrosion
RT Electrolytic Cells
RT Electrometallurgy
RT Faraday Laws
RT Polarography
RT Voltametry

Electrolyte Tiles
DA July 23, 1980
USE Matrix Materials

ELECTROLYTES [01]
DA December 1, 1974
NT1 Solid Electrolytes
RT Dissociation
RT Donnan Theory

ELECTROLYTIC CELLS [01]
DA December 1, 1974
UF *Cells (Electrolytic)*
NT1 Photoelectrolytic Cells
RT Electric Batteries
RT Electrolysis
RT Sulfur Meters
RT Thermal Batteries
RT Voltametry

Electrolytic Corrosion
DA December 1, 1974
USE Electrochemical Corrosion

ELECTROMAGNETIC FIELDS [01]
DA December 1, 1974
UF *Fields (Electromagnetic)*
RT Aharonov-Bohm Effect
RT Einstein-Maxwell Equations
RT Electric Fields
RT Electrodynamics
RT Inhomogeneous Fields
RT Magnetic Fields
RT Maxwell Equations
RT Ponderomotive Force
RT Potentials
RT Weyl Unified Theory

ELECTROMAGNETIC FILTERS [01]
DA May 23, 1980
BT1 Filters
RT Corrosion Products
RT Filtration
RT Primary Coolant Circuits
RT Water

ELECTROMAGNETIC FORM FACTORS [01]
DA December 1, 1974
BT1 Form Factors
BT2 Particle Properties
RT Four Momentum Transfer

ELECTROMAGNETIC INTERACTIONS [01]
DA December 1, 1974
BT1 Basic Interactions
BT2 Interactions
NT1 Annihilation
NT1 Compton Effect
NT1 Coulomb Scattering
NT1 Electroproduction
* **NT1** Photon-Hadron Interactions
NT1 Photon-Photon Interactions
NT1 Photoproduction
NT2 Primakoff Effect
NT1 Umklapp Processes
RT Coulomb Correction
RT Electrodynamics
RT Electromagnetic Particle Decay
RT Electron-Quark Interactions
RT Grand Unified Theory
RT Hadron-Hadron Interactions
RT Lepton-Hadron Interactions
RT Lepton-Lepton Interactions
RT Neutral Currents
RT Photon-Lepton Interactions
RT Radiative Corrections
RT Standard Model
RT Weinberg Lepton Model

ELECTROMAGNETIC ISOTOPE SEPARATION [01]
DA December 1, 1974
BT1 Isotope Separation
BT2 Separation Processes
RT Electromagnetic Isotope Separators

ELECTROMAGNETIC ISOTOPE SEPARATORS
DA January 20, 1975
UF *Calutrons*
NT1 TRISTAN Separator
RT Electromagnetic Isotope Separation

ELECTROMAGNETIC LENSES [01]
DA December 1, 1974
BT1 Lenses
RT End Effects
RT Magnetic Analyzers
RT Magnets

ELECTROMAGNETIC PARTICLE DECAY [01]
DA April 28, 1978
BT1 Particle Decay
BT2 Decay
RT Electromagnetic Interactions
RT Radiative Decay

ELECTROMAGNETIC PULSES [01]
DA December 1, 1974
UF *EMP*
BT1 Electromagnetic Radiation
BT2 Radiations
BT1 Pulses
NT1 Internal Electromagnetic Pulses
RT Nuclear Explosions

ELECTROMAGNETIC PUMPS [01]
DA December 1, 1974
BT1 Pumps

ELECTROMAGNETIC RADIATION [01]
DA December 1, 1974
UF *Electromagnetic Waves*
BT1 Radiations
NT1 Auroral Hiss
NT1 Blackbody Radiation
NT1 Bremsstrahlung
NT2 Cyclotron Radiation
NT2 Internal Bremsstrahlung
NT2 Ondulator Radiation
NT2 Synchrotron Radiation
NT1 Cherenkov Radiation
NT1 Coherent Radiation
NT1 Electromagnetic Pulses
NT2 Internal Electromagnetic Pulses
NT1 Gamma Radiation
NT2 Delayed Gamma Radiation
NT2 Prompt Gamma Radiation
NT1 Helicon Waves
NT1 Infrared Radiation
NT2 Far Infrared Radiation
NT2 Intermediate Infrared Radiation
NT2 Near Infrared Radiation
NT1 Laser Radiation
NT1 Microwave Radiation
NT2 Relict Radiation
NT1 Monochromatic Radiation
NT1 Multipole Radiation
NT1 Radiowave Radiation
NT2 Long Wave Radiation
NT2 Luxemburg Effect
NT2 Medium Wave Radiation
NT2 Radio Noise
NT3 Atmospherics
NT3 Whistlers
NT2 Radioecho
NT2 Short Wave Radiation
NT2 Solar Radio Bursts
NT2 Solar Radiowave Radiation
NT1 Thermal Radiation
NT1 Transition Radiation
NT1 Ultralow Frequency Radiation
NT1 Ultraviolet Radiation
NT2 Extreme Ultraviolet Radiation
NT2 Far Ultraviolet Radiation
NT2 Near Ultraviolet Radiation
NT1 Visible Radiation
NT1 X Radiation
NT2 Hard X Radiation
NT2 Soft X Radiation
NT1 Zodiacal Light
RT Faraday Effect
RT Photons
RT Radiation Pressure
RT Signal Distortion
RT Standing Waves
RT Travelling Waves
RT Wave Forms

ELECTROMAGNETIC SURVEYS [01]
DA January 23, 1975
BT1 Electrical Surveys
BT2 Geophysical Surveys
BT3 Surveys
NT1 Magnetotelluric Surveys
RT Geothermal Exploration
DEF A subgroup of methods of electrical exploration based on the measurement of alternating magnetic fields associated with currents artifically or naturally maintained in the subsurface.

ELECTROMAGNETIC TESTING [01]
DA December 1, 1974
BT1 Nondestructive Testing
BT2 Materials Testing
BT3 Testing
NT1 Eddy Current Testing

Electromagnetic Transitions
DA December 1, 1974
USE Energy-Level Transitions

Electromagnetic Waves
DA December 1, 1974
USE Electromagnetic Radiation

ELECTROMAGNETISM [01]
DA December 1, 1974
BT1 Magnetism
RT Continuity Equations
RT Electrodynamics
RT Kaluza-Klein Theory

Electromagnetostriction
DA December 1, 1974
USE Magnetostriction

ELECTROMAGNETS [01]
DA December 1, 1974
BT1 Electrical Equipment
BT2 Equipment
BT1 Magnets
NT1 Beam Bending Magnets
NT1 Beam Focusing Magnets
NT1 Kicker Magnets
NT1 Septum Magnets
NT1 Superconducting Magnets
NT1 Wiggler Magnets
RT Electric Coils
RT Magnetic Properties

ELECTROMECHANICS [01]
DA December 1, 1974
BT1 Mechanics

ELECTROMETALLURGY [01]
DA December 1, 1974
UF *Electrowinning*
BT1 Metallurgy
RT Electrochemistry
RT Electrodeposition
RT Electrolysis
RT Electrorefining
RT Extractive Metallurgy

ELECTROMETERS [01]
DA December 1, 1974
BT1 Electric Measuring Instruments
BT2 Electrical Equipment
BT3 Equipment
BT2 Measuring Instruments
RT Condenser Ionization Chambers

Electromigration
DA December 1, 1974
USE Electrophoresis

ELECTROMOTIVE FORCE [01]
DA April 8, 1975
UF *EMF*
RT Electric Batteries
RT Electric Potential
DEF A force capable of maintaining a potential difference, and thus a current, within a circuit. It can be established by chemical action or by mechanical work.

Electron Acceptor
DA December 1, 1974
USE Binding Energy
AND Electrons
AND Valence

Electron Acoustic Waves
DA May 10, 1984
USE Electron Plasma Waves

Electron Affinity
DA April 11, 1979
USE Affinity

ELECTRON ANTINEUTRINOS [01]
DA December 1, 1974
BT1 Antineutrinos
BT2 Antileptons
BT3 Antiparticles
BT4 Antimatter
BT5 Matter
BT4 Elementary Particles
BT3 Leptons
BT4 Elementary Particles
BT4 Fermions
BT2 Neutrinos
BT3 Leptons
BT4 Elementary Particles
BT4 Fermions
BT3 Massless Particles
BT4 Elementary Particles
BT1 Electron Neutrinos
BT2 Neutrinos
BT3 Leptons
BT4 Elementary Particles
BT4 Fermions
BT3 Massless Particles
BT4 Elementary Particles

ELECTRON-ATOM COLLISIONS [01]
DA December 1, 1974
BT1 Atom Collisions
BT2 Collisions
BT1 Electron Collisions
BT2 Collisions

ELECTRON ATTACHMENT [01]
(A(neutral) + e yields A(1 minus).)
DA December 1, 1974
RT Electron Capture
RT Ionization

ELECTRON BEAM FURNACES [01]
DA December 1, 1974
BT1 Furnaces
RT Vacuum Furnaces

ELECTRON BEAM FUSION ACCELERATOR [01]
DA July 24, 1979
UF *EBFA*
BT1 Particle Beam Fusion Accelerator
BT2 Accelerators
RT Electron Beam Fusion Reactors
RT Energy Deposition
RT Inertial Confinement
DEF Electron beam accelerator at Sandia to be used for inertial confinement fusion.

ELECTRON BEAM FUSION REACTORS [01]
DA February 9, 1983
UF *E-Beam Type Reactors*
UF *Electron Beam Type Reactors*
BT1 Thermonuclear Reactors
RT Electron Beam Fusion Accelerator
RT Energy Deposition
RT Inertial Confinement

Electron Beam Induced Current
DA March 23, 1983
USE Scanning Electron Microscopy

ELECTRON BEAM INJECTION [01]
DA December 1, 1974
BT1 Beam Injection

ELECTRON BEAM ION SOURCES [01]
DA May 13, 1976
UF *EBIS*
BT1 Ion Sources
RT Electron Beams
DEF Ion source creating high charge states by sequential electron impact ionization

ELECTRON BEAM MACHINING [01]
DA December 1, 1974
BT1 Machining

ELECTRON BEAM MELTING [01]
DA December 1, 1974
BT1 Melting
BT2 Phase Transformations

ELECTRON BEAM PUMPING [01]
DA August 21, 1981
BT1 Electrical Pumping
BT2 Pumping

RT Lasers
RT Stimulated Emission

ELECTRON BEAM TARGETS [01]
DA September 11, 1978
BT1 Targets
RT Energy Deposition
RT Inertial Confinement
RT Ion Beam Targets
RT Laser Targets
RT Thermonuclear Fuels

Electron Beam Type Reactors
DA September 15, 1976
USE Electron Beam Fusion Reactors

ELECTRON BEAM WELDING [01]
DA December 1, 1974
BT1 Welding
BT2 Joining
BT3 Fabrication
RT Vacuum Welding

ELECTRON BEAMS [01]
DA December 1, 1974
UF *Beta Beams (Electrons)*
BT1 Lepton Beams
BT2 Particle Beams
BT3 Beams
RT Electron Beam Ion Sources
RT Electrons
RT LLNL Advanced Test Accelerator
RT Pierce Instability

ELECTRON CAPTURE [01]
(By projectiles in collisions; not for ELECTRON CAPTURE DECAY.)
DA December 1, 1974
BT1 Capture
RT Charge Exchange
RT Charge States
RT Electron Attachment
RT Recombination

ELECTRON CAPTURE DECAY [01]
DA December 1, 1974
BT1 Beta Decay
BT2 Nuclear Decay
BT3 Decay
NT1 K Capture
NT1 L Capture
NT1 M Capture
RT Beta-Plus Decay
RT Capture
RT Electron Capture Radioisotopes

ELECTRON-CAPTURE DETECTORS [01]
DA January 20, 1975
BT1 Radiometric Gages
BT2 Measuring Instruments
RT Gas Analysis
RT Ionization Chambers
DEF Ionization chambers with internal beta sources for gas analysis based on electron capture.

ELECTRON CAPTURE RADIOISOTOPES [01]
DA December 1, 1974
BT1 Beta Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
NT1 Actinium 214
NT1 Actinium 215
NT1 Actinium 222
NT1 Actinium 223
NT1 Actinium 224
NT1 Actinium 226
NT1 Americium 232
NT1 Americium 234
NT1 Americium 237
NT1 Americium 238
NT1 Americium 239
NT1 Americium 240
NT1 Americium 242
NT1 Americium 244
NT1 Antimony 109
NT1 Antimony 110
NT1 Antimony 111
NT1 Antimony 112
NT1 Antimony 113
NT1 Antimony 114
NT1 Antimony 115
NT1 Antimony 116
NT1 Antimony 117
NT1 Antimony 118
NT1 Antimony 119
NT1 Antimony 120
NT1 Antimony 122
NT1 Argon 37
NT1 Arsenic 67
NT1 Arsenic 70
NT1 Arsenic 71
NT1 Arsenic 72
NT1 Arsenic 73
NT1 Arsenic 74
NT1 Astatine 195
NT1 Astatine 197
NT1 Astatine 199
NT1 Astatine 200
NT1 Astatine 201
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NT1 Astatine 205
NT1 Astatine 206
NT1 Astatine 207
NT1 Astatine 208
NT1 Astatine 209
NT1 Astatine 210
NT1 Astatine 211
NT1 Barium 117
NT1 Barium 119
NT1 Barium 120
NT1 Barium 121
NT1 Barium 122
NT1 Barium 123
NT1 Barium 124
NT1 Barium 125
NT1 Barium 126
NT1 Barium 127
NT1 Barium 128
NT1 Barium 129
NT1 Barium 131
NT1 Barium 133
NT1 Berkelium 240
NT1 Berkelium 242
NT1 Berkelium 243
NT1 Berkelium 244
NT1 Berkelium 245
NT1 Berkelium 246
NT1 Berkelium 248
NT1 Beryllium 7
NT1 Bismuth 190
NT1 Bismuth 191
NT1 Bismuth 192
NT1 Bismuth 193
NT1 Bismuth 194
NT1 Bismuth 195
NT1 Bismuth 196
NT1 Bismuth 197
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NT1 Bismuth 205
NT1 Bismuth 206
NT1 Bismuth 207
NT1 Bismuth 208
NT1 Bromine 71
NT1 Bromine 73
NT1 Bromine 74
NT1 Bromine 75
NT1 Bromine 76
NT1 Bromine 77
NT1 Bromine 78
NT1 Bromine 80
NT1 Cadmium 96
NT1 Cadmium 97
NT1 Cadmium 100
NT1 Cadmium 101
NT1 Cadmium 102
NT1 Cadmium 103
NT1 Cadmium 104
NT1 Cadmium 105
NT1 Cadmium 107
NT1 Cadmium 109
NT1 Calcium 41
NT1 Californium 241
NT1 Californium 243
NT1 Californium 245
NT1 Californium 247
NT1 Cerium 123
NT1 Cerium 126
NT1 Cerium 127
NT1 Cerium 128
NT1 Cerium 129
NT1 Cerium 130
NT1 Cerium 131
NT1 Cerium 132
NT1 Cerium 133
NT1 Cerium 134
NT1 Cerium 135
NT1 Cerium 137
NT1 Cerium 139
NT1 Cesium 114
NT1 Cesium 115
NT1 Cesium 116
NT1 Cesium 117
NT1 Cesium 118
NT1 Cesium 119
NT1 Cesium 120
NT1 Cesium 121
NT1 Cesium 122
NT1 Cesium 123
NT1 Cesium 124
NT1 Cesium 125
NT1 Cesium 126
NT1 Cesium 127
NT1 Cesium 128
NT1 Cesium 129
NT1 Cesium 130
NT1 Cesium 131
NT1 Cesium 132
NT1 Cesium 134
NT1 Chlorine 36
NT1 Chromium 48
NT1 Chromium 49
NT1 Chromium 51
NT1 Cobalt 55
NT1 Cobalt 56
NT1 Cobalt 57
NT1 Cobalt 58
NT1 Copper 58
NT1 Copper 60
NT1 Copper 61
NT1 Copper 62
NT1 Copper 64
NT1 Curium 238
NT1 Curium 239
NT1 Curium 241
NT1 Dysprosium 141
NT1 Dysprosium 143
NT1 Dysprosium 144
NT1 Dysprosium 145
NT1 Dysprosium 147
NT1 Dysprosium 148
NT1 Dysprosium 149
NT1 Dysprosium 150
NT1 Dysprosium 151
NT1 Dysprosium 152
NT1 Dysprosium 153
NT1 Dysprosium 155
NT1 Dysprosium 157
NT1 Dysprosium 159
NT1 Einsteinium 244
NT1 Einsteinium 245
NT1 Einsteinium 246
NT1 Einsteinium 247
NT1 Einsteinium 248
NT1 Einsteinium 249
NT1 Einsteinium 250
NT1 Einsteinium 251
NT1 Einsteinium 252
NT1 Einsteinium 254
NT1 Element 105 258
NT1 Erbium 146
NT1 Erbium 147
NT1 Erbium 149
NT1 Erbium 150
NT1 Erbium 151
NT1 Erbium 152
NT1 Erbium 153
NT1 Erbium 154
NT1 Erbium 155
NT1 Erbium 156
NT1 Erbium 157
NT1 Erbium 158
NT1 Erbium 159
NT1 Erbium 160
NT1 Erbium 161
NT1 Erbium 163
NT1 Erbium 165
NT1 Europium 139
NT1 Europium 140
NT1 Europium 141
NT1 Europium 142

NT1 Europium 143
NT1 Europium 144
NT1 Europium 145
NT1 Europium 146
NT1 Europium 147
NT1 Europium 148
NT1 Europium 149
NT1 Europium 150
NT1 Europium 152
NT1 Europium 154
NT1 Fermium 247
NT1 Fermium 249
NT1 Fermium 251
NT1 Fermium 253
NT1 Francium 204
NT1 Francium 206
NT1 Francium 207
NT1 Francium 208
NT1 Francium 209
NT1 Francium 210
NT1 Francium 211
NT1 Francium 212
NT1 Francium 213
NT1 Gadolinium 141
NT1 Gadolinium 143
NT1 Gadolinium 144
NT1 Gadolinium 145
NT1 Gadolinium 146
NT1 Gadolinium 147
NT1 Gadolinium 149
NT1 Gadolinium 151
NT1 Gadolinium 153
NT1 Gallium 62
NT1 Gallium 63
NT1 Gallium 64
NT1 Gallium 65
NT1 Gallium 66
NT1 Gallium 67
NT1 Gallium 68
NT1 Gallium 70
NT1 Germanium 64
NT1 Germanium 65
NT1 Germanium 66
NT1 Germanium 67
NT1 Germanium 68
NT1 Germanium 69
NT1 Germanium 71
NT1 Gold 180
NT1 Gold 181
NT1 Gold 182
NT1 Gold 183
NT1 Gold 184
NT1 Gold 185
NT1 Gold 186
NT1 Gold 187
NT1 Gold 188
NT1 Gold 189
NT1 Gold 190
NT1 Gold 191
NT1 Gold 192
NT1 Gold 193
NT1 Gold 194
NT1 Gold 195
NT1 Gold 196
NT1 Hafnium 154
NT1 Hafnium 155
NT1 Hafnium 157
NT1 Hafnium 158
NT1 Hafnium 159
NT1 Hafnium 160
NT1 Hafnium 162
NT1 Hafnium 163
NT1 Hafnium 166
NT1 Hafnium 167
NT1 Hafnium 168
NT1 Hafnium 169
NT1 Hafnium 170
NT1 Hafnium 171
NT1 Hafnium 172
NT1 Hafnium 173
NT1 Hafnium 175
NT1 Holmium 145
NT1 Holmium 147
NT1 Holmium 149
NT1 Holmium 150
NT1 Holmium 151
NT1 Holmium 152
NT1 Holmium 153
NT1 Holmium 154
NT1 Holmium 155
NT1 Holmium 156
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NT1 Holmium 161
NT1 Holmium 162
NT1 Holmium 163
NT1 Holmium 164
NT1 Indium 102
NT1 Indium 103
NT1 Indium 104
NT1 Indium 105
NT1 Indium 106
NT1 Indium 107
NT1 Indium 108
NT1 Indium 109
NT1 Indium 110
NT1 Indium 111
NT1 Indium 112
NT1 Indium 114
NT1 Iodine 110
NT1 Iodine 111
NT1 Iodine 112
NT1 Iodine 113
NT1 Iodine 114
NT1 Iodine 115
NT1 Iodine 116
NT1 Iodine 117
NT1 Iodine 118
NT1 Iodine 119
NT1 Iodine 120
NT1 Iodine 121
NT1 Iodine 122
NT1 Iodine 123
NT1 Iodine 124
NT1 Iodine 125
NT1 Iodine 126
NT1 Iodine 128
NT1 Iridium 178
NT1 Iridium 179
NT1 Iridium 180
NT1 Iridium 181
NT1 Iridium 182
NT1 Iridium 183
NT1 Iridium 184
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NT1 Iron 52
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NT1 Iron 55
NT1 Krypton 71
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NT1 Lanthanum 138
NT1 Lawrencium 254
NT1 Lawrencium 255
NT1 Lawrencium 256
NT1 Lead 186
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NT1 Lead 192
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NT1 Niobium 84

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NT1 Nitrogen 13
NT1 Nobelium 253
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NT1 Zinc 60
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NT1 Zinc 63
NT1 Zinc 65
NT1 Zirconium 84
NT1 Zirconium 85
NT1 Zirconium 86
NT1 Zirconium 87
NT1 Zirconium 88
NT1 Zirconium 89
RT Electron Capture Decay

ELECTRON CHANNELING [01]
DA December 1, 1974
BT1 Channeling
RT Crystal Lattices

ELECTRON COLLISIONS [01]
DA December 1, 1974
BT1 Collisions
NT1 Electron-Atom Collisions
NT1 Electron-Electron Collisions
NT1 Electron-Ion Collisions
NT1 Electron-Molecule Collisions
NT1 Electron-Positron Collisions
NT1 Photon-Electron Collisions

Electron Configuration (Atoms)
DA December 1, 1974
USE Electronic Structure

ELECTRON COOLING [01]
DA January 20, 1975
BT1 Beam Cooling
RT Coulomb Scattering
DEF Reduction of transverse and longitudinal oscillations of particle beams by means of coulomb collisions with a beam of electrons.

ELECTRON CORRELATION [01]
(In atomic models.)
DA December 1, 1974
UF *Correlation Energy*
BT1 Correlations
RT Atomic Models

Electron Cyclotron Masers
DA April 6, 1978
USE Microwave Amplifiers

ELECTRON CYCLOTRON-RESONANCE [01]
DA December 1, 1974
UF *ECR*
BT1 Cyclotron Resonance
BT2 Resonance
RT ECR Heating

Electron Cyclotron-Resonance Heating
DA December 1, 1974
USE ECR Heating

ELECTRON DENSITY [01]
DA December 1, 1974
UF *Density (Electron)*
RT Current Density
RT Electrons
RT Plasma Eaters

ELECTRON DETACHMENT [01]
(A(1 minus) yields A(neutral) + e.)
DA December 1, 1974
RT Electron Loss
RT Ionization

ELECTRON DETECTION [01]
DA December 1, 1974
BT1 Charged Particle Detection
BT2 Radiation Detection
BT3 Detection
RT Beta Detection
RT Beta Spectrometers
RT Electron Dosimetry
RT Electron Spectrometers
RT Positron Detection

ELECTRON-DEUTERON INTERACTIONS
DA February 5, 1975
BT1 Lepton-Baryon Interactions
BT2 Lepton-Hadron Interactions
BT3 Particle Interactions
BT4 Interactions
RT Deuterons
RT Electrons

ELECTRON DIFFRACTION [01]
DA December 1, 1974
UF *Diffraction (Electron)*
UF *Leed*
UF *Low Energy Electron Diffraction*
BT1 Diffraction
BT2 Coherent Scattering
BT3 Scattering
RT Crystallography
RT Kikuchi Lines

Electron Donor
DA December 1, 1974
USE Binding Energy
AND Electrons
AND Valence

ELECTRON DOSIMETRY [01]
DA December 1, 1974
BT1 Dosimetry
RT Electron Detection

ELECTRON DRIFT [01]
DA December 1, 1974
UF *Drift (Electron)*
RT Ambipolar Diffusion
RT Electrons

ELECTRON-ELECTRON COLLISIONS [01]
DA December 1, 1974
BT1 Electron Collisions
BT2 Collisions

ELECTRON-ELECTRON COUPLING
DA June 12, 1975
BT1 Coupling
RT Superconductivity

Electron-Electron Double Resonance
DA December 1, 1974
USE ELDOR

ELECTRON-ELECTRON INTERACTIONS [01]
DA December 1, 1974
BT1 Lepton-Lepton Interactions
BT2 Particle Interactions
BT3 Interactions

ELECTRON EMISSION [01]
DA December 1, 1974
UF *Emission (Electron)*
BT1 Emission
NT1 Photoelectric Emission
RT Auger Effect
RT Electron Sources
RT Field Emission
RT Internal Electromagnetic Pulses
RT Thermionic Emission
RT Work Functions

ELECTRON EXCHANGE [01]
DA December 1, 1974
UF *Exchange (Electron)*
BT1 Electron Transfer
RT Atom-Atom Collisions
RT Atom-Molecule Collisions

ELECTRON GAS [01]
DA December 1, 1974
BT1 Gases
BT2 Fluids
RT Fermi Gas

RT Pines-Bohm Theory
RT Solid-State Plasma

ELECTRON GUNS [01]
DA December 1, 1974
NT1 Pierce Electron Guns
RT Electron Tubes

ELECTRON-HOLE COUPLING [01]
DA March 29, 1980
BT1 Coupling
RT Electrons
RT Holes
RT Superconductivity

ELECTRON-HOLE DROPLETS [01]
DA February 23, 1979
BT1 Solid-State Plasma
BT2 Plasma
RT Charge Carriers
RT Holes

Electron Holes
DA September 11, 1975
USE Holes

ELECTRON-ION COLLISIONS [01]
DA December 1, 1974
BT1 Electron Collisions
BT2 Collisions
BT1 Ion Collisions
BT2 Collisions

ELECTRON-ION COUPLING
DA June 12, 1975
BT1 Coupling
RT Superconductivity

ELECTRON LOSS [01]
DA December 1, 1974
RT Beam Strippers
RT Charge Exchange
RT Charge States
RT Electron Detachment
RT Ionization

ELECTRON-MESON INTERACTIONS [01]
DA December 1, 1974
BT1 Lepton-Meson Interactions
BT2 Lepton-Hadron Interactions
BT3 Particle Interactions
BT4 Interactions
NT1 Electron-Pion Interactions

ELECTRON MICROPROBE ANALYSIS [01]
DA December 1, 1974
BT1 Microanalysis
BT1 Nondestructive Analysis
BT2 Chemical Analysis
RT Ceramography
RT Electron Probes
RT Post-Irradiation Examination

ELECTRON MICROSCOPES [01]
DA December 1, 1974
BT1 Microscopes
RT Replicas

ELECTRON MICROSCOPY [01]
DA December 1, 1974
BT1 Microscopy
NT1 Scanning Electron Microscopy
NT1 Transmission Electron Microscopy
RT Cytological Techniques
RT Dielectric Track Detectors
RT Electron Scanning
RT Labelled Compounds
RT Replicas
RT Resolution
RT Sample Preparation
RT Ultrastructural Changes

ELECTRON MOBILITY [01]
DA December 1, 1974
BT1 Particle Mobility
BT2 Mobility
RT Electric Conductors
RT Semiconductor Materials

ELECTRON-MOLECULE COLLISIONS [01]
DA December 1, 1974
BT1 Electron Collisions
BT2 Collisions
BT1 Molecule Collisions
BT2 Collisions

ELECTRON MULTIPLIER DETECTORS [01]
DA December 1, 1974
BT1 Radiation Detectors
BT2 Measuring Instruments
RT Electron Multipliers

ELECTRON MULTIPLIERS [01]
DA December 1, 1974
UF *Multiplier Tubes*
BT1 Electron Tubes
NT1 Microchannel Electron Multipliers
RT Dynodes
RT Electron Multiplier Detectors
RT Photomultipliers

ELECTRON-MUON INTERACTIONS [01]
DA December 1, 1974
BT1 Lepton-Lepton Interactions
BT2 Particle Interactions
BT3 Interactions

ELECTRON-MUON-TAU UNIVERSALITY [01]
DA October 16, 1989
NT1 Electron-Muon Universality
RT Electrons
RT Muons
RT Tau Particles

ELECTRON-MUON UNIVERSALITY [01]
DA January 20, 1975
BT1 Electron-Muon-Tau Universality
RT Electrons
RT Muons
DEF Indistinguishability of the electron and muon in all properties except mass.

ELECTRON NEUTRINOS [01]
DA December 1, 1974
BT1 Neutrinos
BT2 Leptons
BT3 Elementary Particles
BT3 Fermions
BT2 Massless Particles
BT3 Elementary Particles
NT1 Electron Antineutrinos

ELECTRON-NEUTRON INTERACTIONS [01]
DA December 1, 1974
BT1 Electron-Nucleon Interactions
BT2 Lepton-Nucleon Interactions
BT3 Lepton-Baryon Interactions
BT4 Lepton-Hadron Interactions
BT5 Particle Interactions
BT6 Interactions

Electron Nuclear Double Resonance
DA December 1, 1974
USE ENDOR

ELECTRON-NUCLEON INTERACTIONS [01]
DA December 1, 1974
BT1 Lepton-Nucleon Interactions
BT2 Lepton-Baryon Interactions
BT3 Lepton-Hadron Interactions
BT4 Particle Interactions
BT5 Interactions
NT1 Electron-Neutron Interactions
NT1 Electron-Proton Interactions

ELECTRON PAIRS [01]
DA December 1, 1974
RT Electrons
RT Pair Production
RT Positrons

Electron Paramagnetic Resonance
DA December 1, 1974
USE Electron Spin Resonance

ELECTRON-PHONON COUPLING [01]
DA June 12, 1975
BT1 Coupling
RT Superconductivity

ELECTRON-PION INTERACTIONS [01]
DA April 11, 1979
BT1 Electron-Meson Interactions
BT2 Lepton-Meson Interactions
BT3 Lepton-Hadron Interactions
BT4 Particle Interactions
BT5 Interactions

ELECTRON PLASMA WAVES [01]
DA December 1, 1974
UF *Electron Acoustic Waves*
BT1 Plasma Waves

ELECTRON-POSITRON COLLISIONS [01]
DA December 1, 1974
BT1 Electron Collisions
BT2 Collisions
BT1 Positron Collisions
BT2 Collisions

ELECTRON-POSITRON INTERACTIONS [01]
DA December 1, 1974
BT1 Lepton-Lepton Interactions
BT2 Particle Interactions
BT3 Interactions

ELECTRON PRECIPITATION [01]
DA December 1, 1974
BT1 Charged-Particle Precipitation
RT Aurorae
RT Auroral Oval
RT Midday Aurorae
RT Polar Cusp
RT Radiation Belts
RT Trapped Electrons

ELECTRON PROBES [01]
DA December 1, 1974
BT1 Probes
RT Electron Microprobe Analysis
RT X-Ray Emission Analysis

ELECTRON-PROMOTION MODEL [01]
DA December 1, 1974
UF *Fano-Lichten Model*
BT1 Mathematical Models
RT Diabatic Approximation
RT Ion-Atom Collisions

ELECTRON-PROTON INTERACTIONS [01]
DA December 1, 1974
BT1 Electron-Nucleon Interactions
BT2 Lepton-Nucleon Interactions
BT3 Lepton-Baryon Interactions
BT4 Lepton-Hadron Interactions
BT5 Particle Interactions
BT6 Interactions

ELECTRON-QUARK INTERACTIONS [01]
DA August 9, 1985
BT1 Particle Interactions
BT2 Interactions
RT Electromagnetic Interactions
RT Intermediate Vector Bosons
RT Weak Interactions
RT Weinberg Lepton Model

ELECTRON REACTIONS [01]
DA December 1, 1974
BT1 Charged-Particle Reactions
BT2 Nuclear Reactions
BT1 Lepton Reactions
BT2 Nuclear Reactions
NT1 Electrofission

ELECTRON-RING ACCELERATORS [01]
DA December 1, 1974
UF *Adgezator*
UF *Ion-Drag Accelerators*
UF *Ringotron*
UF *Smokatron*
BT1 Collective Accelerators
BT2 Accelerators
RT Electron Rings

ELECTRON RINGS [01]
DA March 8, 1978
RT Confinement
RT Electron-Ring Accelerators
RT Magnetic Confinement

ELECTRON SCANNING [01]
DA December 1, 1974
UF *Scanning (Electron)*
RT Cathode Ray Tubes
RT Electron Microscopy

ELECTRON SOURCES [01]
DA December 1, 1974
BT1 Particle Sources
BT2 Radiation Sources
NT1 Pierce Electron Guns
RT Electron Emission
RT Thermionic Emitters

ELECTRON SPECTRA [01]
DA January 26, 1976
BT1 Spectra

ELECTRON SPECTROMETERS [01]
DA December 1, 1974
BT1 Spectrometers
BT2 Measuring Instruments
RT Electron Detection

ELECTRON SPECTROSCOPY [01]
DA December 1, 1974
UF *ESCA*
BT1 Spectroscopy
NT1 Auger Electron Spectroscopy
NT1 Energy-Loss Spectroscopy
NT1 Photoelectron Spectroscopy
RT Electrons

Electron-Spin Echo
DA March 29, 1980
SEE Acoustic ESR

ELECTRON SPIN RESONANCE [01]
DA December 1, 1974
UF *Electron Paramagnetic Resonance*
UF *EPR*
UF *ESR*
UF *Paramagnetic Resonance (Electron)*
BT1 Magnetic Resonance
BT2 Resonance
NT1 Acoustic ESR
RT Double Resonance Methods
RT Overhauser Effect
RT Structural Chemical Analysis

ELECTRON TEMPERATURE [01]
DA December 1, 1974
UF *Temperature (Electron)*
RT Electrons
RT Energy

ELECTRON TRANSFER [01]
(Not for CHARGE EXCHANGE.)
DA December 1, 1974
UF *Transfer (Electron)*
NT1 Electron Exchange
RT Carrier Mobility

ELECTRON TUBES [01]
DA December 1, 1974
UF+ *Storage Tubes*
NT1 Cathode Ray Tubes
NT1 Cold Cathode Tubes
NT1 Counting Tubes
NT1 Diode Tubes
NT2 Thermionic Diodes
NT1 Electron Multipliers
NT2 Microchannel Electron Multipliers
NT1 Gas Discharge Tubes
NT2 Flash Tubes
NT2 Geissler Tubes
NT2 Ignitrons
NT2 Thyratrons
NT1 Gyrocons
NT1 Microwave Tubes
NT2 Backward Wave Tubes
NT2 Klystrons
NT2 Lasertrons
NT2 Magnetrons
NT2 Travelling Wave Tubes
NT1 Plasmatrons
NT2 Duoplasmatrons
NT2 Triplasmatrons
NT1 Rectifier Tubes
NT2 Capacitrons
NT2 Ignitrons
NT1 Thermionic Tubes
NT2 Thermionic Diodes
NT1 Triode Tubes
NT1 X-Ray Tubes
RT Cathodes
RT Electrical Equipment
RT Electrodes
RT Electron Guns
RT Electronic Equipment
RT Gettering
RT Getters
RT Image Tubes
RT Phototubes
RT Space Charge
RT Thermionic Emission
RT Work Functions

ELECTRONEGATIVITY [01]
DA December 1, 1974
RT Affinity
RT Ionization Potential

ELECTRONIC CIRCUITS [01]
DA December 1, 1974
UF *Circuits (Electronic)*
NT1 Campbelling Circuits
NT1 Cathode Followers
NT1 Coincidence Circuits
NT1 Comparator Circuits
NT1 Counting Circuits
NT1 Delay Circuits
NT1 Digital Circuits
NT1 Discriminators
NT2 Pulse Discriminators
NT1 Equivalent Circuits
NT1 Gating Circuits
NT1 Limiter Circuits
NT1 Logic Circuits
NT1 Microelectronic Circuits
NT2 Integrated Circuits
NT2 Microprocessors
NT3 Apple Computers
NT1 Power Conditioning Circuits
NT1 Printed Circuits
NT1 Pulse Circuits
NT2 Multivibrators
NT3 Flip-Flop Circuits
NT2 Pulse Discriminators
NT2 Signal Conditioners
NT3 Digitizers
NT4 Cathode Ray Tube Digitizers
NT4 Flying Spot Digitizers
NT4 Scanning Measuring Projectors
NT4 Spiral Reader Digitizers
NT3 Pulse Shapers
NT2 Trigger Circuits
NT3 Transistor Trigger Circuits
NT1 Sequential Circuits
NT1 Sweep Circuits
NT1 Switching Circuits
NT2 Transistor Switching Circuits
NT1 Tank Circuits
NT1 Timing Circuits
RT Amplifiers
RT Analog Systems
RT Circuit Breakers
RT Circuit Theory
RT Counting Techniques
RT Digital Systems
RT Electric Grounds
RT Electrical Equipment
RT Electronic Equipment
RT Lock-In Amplifiers
RT Microelectronics
RT Oscillators
RT Response Functions
RT Speech Synthesizers
RT Transistors

Electronic Data Processing
DA December 1, 1974
USE Data Processing

ELECTRONIC EQUIPMENT [01]
DA December 1, 1974
BT1 Equipment
* NT1 Amplifiers
NT1 Analog-to-Digital Converters
NT1 Counting Ratemeters
NT2 Linear Ratemeters
NT2 Logarithmic Ratemeters
NT1 Digital-to-Analog Converters
NT1 Function Generators
NT2 Pulse Generators
NT3 High Voltage Pulse Generators
* NT1 Microwave Equipment
NT1 Multiplexers
NT1 Optical Scanners
NT1 Oscillators
NT2 Anharmonic Oscillators
NT2 Blocking Oscillators
NT2 Harmonic Oscillators
NT2 Parametric Oscillators
NT2 Transistor Oscillators
NT1 Oscillographs
NT1 Power Supplies
NT2 Marx Generators
NT2 Photovoltaic Power Supplies
NT2 Radio Equipment Power Supplies
NT2 Spacecraft Power Supplies
NT1 Pulse Analyzers
NT2 Multi-Channel Analyzers
NT1 Pulse Converters
NT2 Current-to-Frequency Converters
NT2 Time-to-Amplitude Converters
NT1 Pulse Integrators
NT1 Radio Equipment
NT2 Heterodyne Receivers
NT2 Ionosondes
NT2 Radio Telescopes
NT1 Resonators
NT2 Cavity Resonators
NT3 Superconducting Cavity Resonators
NT1 Scalers
NT1 Speech Synthesizers
RT Analog Systems
RT Atomic Clocks
RT CAMAC System
RT Computer Architecture
RT Computers
RT Consoles
RT Counting Techniques
RT Data Acquisition Systems
RT Digital Systems
RT Digitizers
RT Display Devices
RT Electric Measuring Instruments
RT Electrical Equipment
RT Electron Tubes
RT Electronic Circuits
RT Electronic Guidance
RT Equipment Interfaces
RT Image Scanners
RT Miniaturization
RT Nuclear Instrument Modules
RT Potting
RT Potting Materials
RT Pulse Techniques
RT Radar
RT Reactor Components
RT Recording Systems
RT Semiconductor Devices
RT Sonar
RT X-Ray Equipment

ELECTRONIC GUIDANCE [01]
DA December 1, 1974
UF *Guidance (Electronic)*
BT1 Control Systems
RT Electronic Equipment
RT Inertial Guidance
RT Navigational Instruments

BT3 Radioisotopes
BT4 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

EINSTEINIUM 249 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Einsteinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Einsteinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

EINSTEINIUM 256 [01]
DA September 14, 1976
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Einsteinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes

RT Rockets
RT Space Vehicles

ELECTRONIC SPECIFIC HEAT [01]
DA December 1, 1974
BT1 Specific Heat
BT2 Thermodynamic Properties
BT3 Physical Properties
RT Magnetic Specific Heat
DEF Electron contribution to the specific heat of electronic conductors.

ELECTRONIC STRUCTURE [01]
(For electron configuration in atoms and molecules, and electron band structure in solids.)
DA December 1, 1974
UF *Atomic Shells*
UF *Electron Configuration (Atoms)*
NT1 K Shell
NT1 L Shell
NT1 M Shell
NT1 N Shell
RT Atomic Models
RT Atomic Radii
RT Aufbau Principle
RT Band Theory
RT Configuration Interaction
RT Conformational Changes
RT Crystal Field
RT Energy Levels
RT Extreme Ultraviolet Spectra
RT Hartree-Fock Method
RT Heisenberg Model
RT HSK Procedure
RT Hubbard Model
RT Hybridization
RT Isoelectronic Atoms
RT Molecular Orbital Method
RT Muffin-Tin Potential
RT Photoelectron Spectroscopy
RT Rydberg-Klein-Rees Method
RT Rydberg States
RT Slater Method
RT Ultraviolet Spectra

Electronics (Quantum)
DA August 5, 1976
USE Quantum Electronics

ELECTRONS [01]
DA December 1, 1974
UF *Knock-On Electrons*
UF *Negatons*
UF *Negatrons*
UF+ *Electron Acceptor*
UF+ *Electron Donor*
UF+ *Valence Electrons*
BT1 Leptons
BT2 Elementary Particles
BT2 Fermions
NT1 Cosmic Electrons
NT1 Exoelectrons
NT1 Prompt Electrons
NT1 Runaway Electrons
NT1 Solar Electrons
NT1 Solvated Electrons
NT1 Trapped Electrons
RT Beta Particles
RT Charge Carriers
RT Cooper Pairs
RT Delta Rays
RT Dirac Equation
RT Electron Beams
RT Electron Density
RT Electron-Deuteron Interactions
RT Electron Drift
RT Electron-Hole Coupling
RT Electron-Muon-Tau Universality
RT Electron-Muon Universality
RT Electron Pairs
RT Electron Spectroscopy
RT Electron Temperature
RT Muonium
RT Positronium
RT Positrons
RT Traps
RT Umklapp Processes

ELECTROPHORESIS [01]
DA December 1, 1974
UF *Cataphoresis*

UF *Drag Effect*
UF *Electromigration*
UF *Ionophoresis*
NT1 Isotachophoresis
NT1 Two-Dimensional Electrophoresis
RT Thermophoresis
RT Transfer Numbers

ELECTROPHYSIOLOGY
DA August 22, 1985
BT1 Physiology
RT Bioelectricity
RT Electric Conductivity
RT Electric Potential

ELECTROPLATING [01]
DA December 1, 1974
BT1 Electrodeposition
BT2 Electrolysis
BT3 Lysis
BT2 Surface Coating
BT3 Deposition
BT1 Plating
BT2 Surface Coating
BT3 Deposition
RT Electrodeposited Coatings

ELECTROPOLISHING [01]
DA December 1, 1974
BT1 Electrolysis
BT2 Lysis
BT1 Polishing
BT2 Surface Finishing
RT Cleaning

ELECTROPRODUCTION [01]
DA December 1, 1974
BT1 Electromagnetic Interactions
BT2 Basic Interactions
BT3 Interactions
BT1 Particle Interactions
BT2 Interactions
BT1 Particle Production
RT Electric Born Model

ELECTROREFINING [01]
DA December 1, 1974
BT1 Electrolysis
BT2 Lysis
BT1 Refining
BT2 Processing
RT Electrometallurgy

ELECTROSCOPES [01]
DA December 1, 1974
BT1 Electric Measuring Instruments
BT2 Electrical Equipment
BT3 Equipment
BT2 Measuring Instruments

ELECTROSLAG CASTING
DA August 24, 1982
BT1 Casting
BT2 Fabrication
RT Electroslag Welding

ELECTROSLAG WELDING [01]
DA December 1, 1974
BT1 Welding
BT2 Joining
BT3 Fabrication
RT Arc Welding
RT Electroslag Casting

ELECTROSTATIC ACCELERATORS [01]
DA December 1, 1974
BT1 Accelerators
NT1 Cockcroft-Walton Accelerators
NT1 Dynamitrons
NT1 Pelletron Accelerators
NT2 5U Pelletron Accelerator
* NT1 Tandem Electrostatic Accelerators
NT1 Van de Graaff Accelerators
NT2 CRNL Mp Tandem Accelerator
NT2 Learn Tandem Accelerator
NT2 Orsay Tandem Accelerator
NT2 Vivitron Tandem Accelerator

ELECTROSTATIC ANALYZERS [01]
DA December 1, 1974
BT1 Beam Analyzers
RT Electrostatic Lenses

ELECTROSTATIC CHARGE ELIMINATORS [01]
DA May 5, 1975
UF *Static Electricity Eliminators*
RT Electric Charges
RT Electrostatics

ELECTROSTATIC LENSES [01]
DA December 1, 1974
BT1 Lenses
RT Electrostatic Analyzers
RT Electrostatic Mirrors
RT Electrostatic Septa

ELECTROSTATIC MIRRORS [01]
DA August 16, 1989
BT1 Mirrors
RT Beam Optics
RT Electrostatic Lenses
RT Electrostatics
RT Reflection

ELECTROSTATIC PRECIPITATORS [01]
DA December 1, 1974
BT1 Pollution Control Equipment
BT2 Equipment
RT Air Cleaning
RT Air Cleaning Systems
RT Air Pollution Control
RT Air Pollution Monitors
RT Dust Collectors
RT Electrostatics
RT Gaseous Wastes
RT Hot Gas Cleanup
RT Separation Processes
RT Stack Disposal

ELECTROSTATIC PROBES [01]
DA December 1, 1974
BT1 Probes

ELECTROSTATIC SEPARATION
DA February 20, 1975
BT1 Separation Processes

ELECTROSTATIC SEPTA [01]
DA May 5, 1975
RT Beam Optics
RT Electrostatic Lenses
RT Magnetic Analyzers
RT Septum Magnets

ELECTROSTATIC SPECTROMETERS [01]
DA December 1, 1974
BT1 Spectrometers
BT2 Measuring Instruments

Electrostatic Waves
DA December 1, 1974
USE Plasma Waves

ELECTROSTATICS [01]
DA December 1, 1974
RT Capacitors
RT Charge Distribution
RT Electric Charges
RT Electric Sparks
RT Electrostatic Charge Eliminators
RT Electrostatic Mirrors
RT Electrostatic Precipitators
RT Xerography

Electrovac Equations
DA July 20, 1983
USE Einstein-Maxwell Equations

Electroweak Mixing Angle
DA July 23, 1985
USE Weinberg Angle

Electroweak Model
DA March 26, 1985
USE Weinberg-Salam Gauge Model

RT Biological Availability

Environmental Temperature
DA March 22, 1976

ENZYMES [01]
(The enzyme code numbers from

Electrowinning
DA December 1, 1974
USE Electrometallurgy

ELEMENT 104 [01]
DA December 1, 1974
UF *Eka-Hafnium*
UF *Kurchatovium*
BT1 Transplutonium Elements
BT2 Transuranium Elements
BT3 Elements

ELEMENT 104 253 [01]
DA August 21, 1986
BT1 Element 104 Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ELEMENT 104 254 [01]
DA August 22, 1986
BT1 Element 104 Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Microsec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ELEMENT 104 255 [01]
DA August 22, 1986
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Element 104 Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ELEMENT 104 256 [01]
DA August 22, 1986
BT1 Element 104 Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ELEMENT 104 257 [01]
DA August 22, 1986
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Element 104 Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ELEMENT 104 258 [01]
DA August 22, 1986
BT1 Element 104 Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ELEMENT 104 259 [01]
DA August 22, 1986
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Element 104 Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ELEMENT 104 260 [01]
DA August 22, 1986
BT1 Element 104 Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ELEMENT 104 261 [01]
DA August 22, 1986
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Element 104 Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ELEMENT 104 262 [01]
DA August 22, 1986
BT1 Element 104 Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ELEMENT 104 CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Element 104 Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds

ELEMENT 104 COMPLEXES [01]
DA December 1, 1974
BT1 Complexes

ELEMENT 104 COMPOUNDS [01]
DA December 1, 1974
BT1 Transplutonium Compounds
BT2 Transuranium Compounds
NT1 Element 104 Chlorides

ELEMENT 104 ISOTOPES [01]
DA December 1, 1974
BT1 Radioisotopes
BT2 Isotopes
NT1 Element 104 253
NT1 Element 104 254
NT1 Element 104 255
NT1 Element 104 256
NT1 Element 104 257
NT1 Element 104 258
NT1 Element 104 259
NT1 Element 104 260
NT1 Element 104 261
NT1 Element 104 262

ELEMENT 105 [01]
DA December 1, 1974
UF *Eka-Tantalum*
BT1 Trans 104 Elements
BT2 Transplutonium Elements
BT3 Transuranium Elements
BT4 Elements

ELEMENT 105 255 [01]
DA August 22, 1986
BT1 Element 105 Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ELEMENT 105 257 [01]
DA August 22, 1986
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Element 105 Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ELEMENT 105 258 [01]
DA August 22, 1986
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Element 105 Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ELEMENT 105 259 [01]
DA August 22, 1986
BT1 Element 105 Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Spontaneous Fission Radioisotopes

BT2 Radioisotopes
BT3 Isotopes

ELEMENT 105 260 [01]
DA August 22, 1986
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Element 105 Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ELEMENT 105 261 [01]
DA August 25, 1986
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Element 105 Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ELEMENT 105 262 [01]
DA August 25, 1986
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Element 105 Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

→**ELEMENT 105 263 [01]**
DA February 14, 1992
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Element 105 Compounds
BT2 Trans 104 Element Compounds
BT3 Transplutonium Compounds
BT4 Transuranium Compounds
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ELEMENT 105 COMPOUNDS [01]
DA December 1, 1974
BT1 Trans 104 Element Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
NT1 Element 105 263

ELEMENT 105 ISOTOPES [01]
DA August 21, 1986
BT1 Radioisotopes
BT2 Isotopes
NT1 Element 105 255
NT1 Element 105 257
NT1 Element 105 258
NT1 Element 105 259
NT1 Element 105 260
NT1 Element 105 261
NT1 Element 105 262

ELEMENT 106 [01]
DA December 1, 1974
UF *Eka-Tungsten*
BT1 Trans 104 Elements
BT2 Transplutonium Elements
BT3 Transuranium Elements
BT4 Elements

ELEMENT 106 259 [01]
DA August 25, 1986
BT1 Element 106 Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ELEMENT 106 260 [01]
DA August 25, 1986
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Element 106 Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ELEMENT 106 261 [01]
DA August 25, 1986
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Element 106 Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ELEMENT 106 263 [01]
DA August 25, 1986
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Element 106 Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ELEMENT 106 COMPOUNDS [01]
DA December 1, 1974
BT1 Trans 104 Element Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds

ELEMENT 106 ISOTOPES [01]
DA April 19, 1976
BT1 Radioisotopes
BT2 Isotopes
NT1 Element 106 259
NT1 Element 106 260
NT1 Element 106 261
NT1 Element 106 263

ELEMENT 107 [01]
DA December 1, 1974
UF *Eka-Rhenium*
BT1 Trans 104 Elements
BT2 Transplutonium Elements
BT3 Transuranium Elements
BT4 Elements

ELEMENT 107 261 [01]
DA August 25, 1986
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Element 107 Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ELEMENT 107 262 [01]
DA August 25, 1986
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Element 107 Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

ELEMENT 107 COMPOUNDS [01]
DA December 1, 1974
BT1 Trans 104 Element Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds

ELEMENT 107 ISOTOPES [01]
DA August 21, 1986
BT1 Radioisotopes
BT2 Isotopes
NT1 Element 107 261
NT1 Element 107 262

ELEMENT 108 [01]
DA December 1, 1974
UF *Eka-Osmium*
BT1 Trans 104 Elements
BT2 Transplutonium Elements
BT3 Transuranium Elements
BT4 Elements

ELEMENT 108 264 [01]
DA November 20, 1986
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Element 108 Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Microsec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ELEMENT 108 265 [01]
DA August 25, 1986
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Element 108 Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ELEMENT 108 COMPOUNDS [01]
DA December 1, 1974
BT1 Trans 104 Element Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds

ELEMENT 108 ISOTOPES [01]
DA August 21, 1986
BT1 Radioisotopes
BT2 Isotopes
NT1 Element 108 264
NT1 Element 108 265

ELEMENT 109 [01]
DA December 1, 1974
UF *Eka-Iridium*
BT1 Trans 104 Elements
BT2 Transplutonium Elements
BT3 Transuranium Elements
BT4 Elements

ELEMENT 109 266 [01]
DA August 25, 1986
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Element 109 Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ELEMENT 109 COMPOUNDS [01]
DA December 1, 1974
BT1 Trans 104 Element Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds

ELEMENT 109 ISOTOPES [01]
DA August 21, 1986
BT1 Radioisotopes
BT2 Isotopes
NT1 Element 109 266

ELEMENT 110 [01]
DA December 1, 1974
UF *Eka-Platinum*
BT1 Trans 104 Elements
BT2 Transplutonium Elements
BT3 Transuranium Elements
BT4 Elements

ELEMENT 110 COMPOUNDS [01]
DA December 1, 1974
BT1 Trans 104 Element Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds

ELEMENT 111 [01]
DA December 1, 1974
UF *Eka-Gold*
BT1 Trans 104 Elements
BT2 Transplutonium Elements
BT3 Transuranium Elements
BT4 Elements

ELEMENT 111 COMPOUNDS [01]
DA December 1, 1974
BT1 Trans 104 Element Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds

ELEMENT 112 [01]
DA December 1, 1974
UF *Eka-Mercury*
BT1 Trans 104 Elements
BT2 Transplutonium Elements
BT3 Transuranium Elements
BT4 Elements

ELEMENT 112 COMPOUNDS [01]
DA December 1, 1974
BT1 Trans 104 Element Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds

ELEMENT 113 [01]
DA December 1, 1974
UF *Eka-Thallium*
BT1 Trans 104 Elements
BT2 Transplutonium Elements
BT3 Transuranium Elements
BT4 Elements

ELEMENT 113 COMPOUNDS [01]
DA December 1, 1974
BT1 Trans 104 Element Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds

ELEMENT 114 [01]
DA December 1, 1974
UF *Eka-Lead*
BT1 Trans 104 Elements
BT2 Transplutonium Elements
BT3 Transuranium Elements
BT4 Elements

ELEMENT 114 COMPOUNDS [01]
DA December 1, 1974
BT1 Trans 104 Element Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds

ELEMENT 115 [01]
DA January 28, 1975
UF *Eka-Bismuth*
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Trans 104 Elements
BT2 Transplutonium Elements
BT3 Transuranium Elements
BT4 Elements

ELEMENT 116 [01]
DA December 15, 1976
UF *Eka-Polonium*
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Trans 104 Elements
BT2 Transplutonium Elements
BT3 Transuranium Elements
BT4 Elements

ELEMENT 117 [01]
DA December 1, 1974
UF *Eka-Astatine*
BT1 Trans 104 Elements
BT2 Transplutonium Elements
BT3 Transuranium Elements
BT4 Elements

ELEMENT 118 [01]
DA August 19, 1975
UF *Eka-Radon*
BT1 Trans 104 Elements
BT2 Transplutonium Elements
BT3 Transuranium Elements
BT4 Elements

ELEMENT 119 [01]
DA August 4, 1981
BT1 Trans 104 Elements
BT2 Transplutonium Elements
BT3 Transuranium Elements
BT4 Elements

ELEMENT 120 [01]
DA August 4, 1981
BT1 Trans 104 Elements
BT2 Transplutonium Elements
BT3 Transuranium Elements
BT4 Elements

ELEMENT 126 [01]
DA December 1, 1974
BT1 Trans 104 Elements
BT2 Transplutonium Elements
BT3 Transuranium Elements
BT4 Elements

ELEMENT 126 COMPOUNDS [01]
DA December 1, 1974
BT1 Trans 104 Element Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds

ELEMENT 128 [01]
DA November 10, 1977
BT1 Trans 104 Elements
BT2 Transplutonium Elements
BT3 Transuranium Elements
BT4 Elements

ELEMENT 134 [01]
DA November 10, 1977
BT1 Trans 104 Elements
BT2 Transplutonium Elements
BT3 Transuranium Elements
BT4 Elements

ELEMENT 145 [01]
DA November 10, 1977
BT1 Trans 104 Elements
BT2 Transplutonium Elements
BT3 Transuranium Elements
BT4 Elements

ELEMENT 164 [01]
DA November 10, 1977
BT1 Trans 104 Elements
BT2 Transplutonium Elements
BT3 Transuranium Elements
BT4 Elements

ELEMENT 173 [01]
DA November 10, 1977
BT1 Trans 104 Elements
BT2 Transplutonium Elements
BT3 Transuranium Elements
BT4 Elements

ELEMENT ABUNDANCE [01]
DA September 11, 1978
BT1 Abundance
RT Cosmochemistry
RT Natural Occurrence

ELEMENTAL MINERALS
DA May 12, 1982
BT1 Minerals
NT1 Diamonds
NT1 Graphite

ELEMENTARY LENGTH
DA January 20, 1975
BT1 Distance
BT1 Length
BT2 Dimensions

ELEMENTARY PARTICLES [01]
DA December 1, 1974
UF *Fundamental Particles*
NT1 Antiparticles
NT2 Anti-D Neutral Mesons
NT2 Antibaryons
NT3 Antihyperons
NT4 Antilambda Particles
NT4 Antiomega Particles
NT4 Antisigma Particles
NT4 Antixi Particles
NT3 Antinucleons
NT4 Antineutrons
NT4 Antiprotons
NT2 Antideuterons
NT2 Antikaons
NT3 Antikaons Neutral
NT2 Antileptons
NT3 Antineutrinos
NT4 Electron Antineutrinos
NT4 Muon Antineutrinos
NT3 Muons Plus
NT3 Positrons
NT4 Cosmic Positrons
NT2 Antimesons
NT3 Pseudoscalar Antimesons
NT2 Antitritons
NT1 Beauty Particles
NT2 B Mesons
NT3 B Minus Mesons
NT3 B Neutral Mesons
NT4 Anti-B Neutral Mesons
NT3 B Plus Mesons
NT2 Beauty Baryons
NT3 Lambda B Neutral Baryons
NT2 Beauty Mesons
NT3 B*-5325 Mesons
NT1 Charm Particles
NT2 Charmed Baryons
NT3 Lambda C Plus Baryons
NT3 Omega C Neutral Baryons
NT3 Sigma C-2450 Baryons
NT3 Xi C Plus Baryons
NT2 Charmed Mesons
NT3 D Mesons
NT4 D Minus Mesons
NT4 D Neutral Mesons
NT5 Anti-D Neutral Mesons
NT4 D Plus Mesons

NT3 D S Mesons
NT3 D*-2010 Mesons
NT3 D*-2420 Mesons
NT3 D*S-2110 Mesons
* NT1 Hadrons
NT1 Intermediate Bosons
NT2 Intermediate Vector Bosons
NT3 W Minus Bosons
NT3 W Plus Bosons
NT3 Z Neutral Bosons
NT1 Leading Particles
* NT1 Leptons
NT1 Massless Particles
NT2 Gravitons
NT2 Neutrinos
NT3 Antineutrinos
NT4 Electron Antineutrinos
NT4 Muon Antineutrinos
NT3 Cosmic Neutrinos
NT3 Electron Neutrinos
NT4 Electron Antineutrinos
NT3 Muon Neutrinos
NT4 Muon Antineutrinos
NT3 Solar Neutrinos
NT3 Tau Neutrinos
NT2 Photons
NT3 Cosmic Photons
NT1 Postulated Particles
NT2 Dyons
NT2 Gluons
NT2 Goldstone Bosons
NT3 Axions
NT2 Grace Particles
NT2 Gravitons
NT2 Heavy Leptons
NT3 Heavy Neutral Muons
NT3 Tau Neutrinos
NT3 Tau Particles
NT2 Higgs Bosons
NT2 Magnetic Monopoles
NT2 Partons
NT2 Pomeranchuk Particles
NT2 Preons
NT2 Quarks
NT2 Sparticles
NT2 Spurions
NT2 Tachyons
NT2 Taste Particles
NT2 Top Particles
NT2 Urbaryons
NT1 Strange Particles
NT2 D*S-2110 Mesons
NT2 Hyperons
NT3 Antihyperons
NT4 Antilambda Particles
NT4 Antiomega Particles
NT4 Antisigma Particles
NT4 Antixi Particles
NT3 Lambda Baryons
NT4 Lambda-1405 Baryons
NT4 Lambda-1520 Baryons
NT4 Lambda-1600 Baryons
NT4 Lambda-1670 Baryons
NT4 Lambda-1690 Baryons
NT4 Lambda-1800 Baryons
NT4 Lambda-1820 Baryons
NT4 Lambda-1830 Baryons
NT4 Lambda-1890 Baryons
NT4 Lambda-2000 Baryons
NT4 Lambda-2020 Baryons
NT4 Lambda-2100 Baryons
NT4 Lambda-2110 Baryons
NT4 Lambda-2325 Baryons
NT4 Lambda-2350 Baryons
NT4 Lambda-2585 Baryons
NT4 Lambda Particles
NT5 Antilambda Particles
NT3 Lambda-N-2130 Dibaryons
NT3 Omega Baryons
NT4 Omega Particles
NT5 Antiomega Particles
NT3 Sigma Baryons
NT4 Sigma-1385 Baryons
NT4 Sigma-1480 Baryons
NT4 Sigma-1560 Baryons
NT4 Sigma-1580 Baryons
NT4 Sigma-1620 Baryons
NT4 Sigma-1660 Baryons
NT4 Sigma-1670 Baryons
NT4 Sigma-1690 Baryons
NT4 Sigma-1750 Baryons
NT4 Sigma-1770 Baryons
NT4 Sigma-1775 Baryons
NT4 Sigma-1840 Baryons
NT4 Sigma-1880 Baryons
NT4 Sigma-1915 Baryons
NT4 Sigma-1940 Baryons
NT4 Sigma-2000 Baryons
NT4 Sigma-2030 Baryons
NT4 Sigma-2070 Baryons
NT4 Sigma-2080 Baryons
NT4 Sigma-2100 Baryons
NT4 Sigma-2250 Baryons
NT4 Sigma-2455 Baryons
NT4 Sigma-2620 Baryons
NT4 Sigma-3000 Baryons
NT4 Sigma-3170 Baryons
NT4 Sigma Particles
NT5 Antisigma Particles
NT5 Sigma Minus Particles
NT5 Sigma Neutral Particles
NT5 Sigma Plus Particles
NT3 Xi Baryons
NT4 Xi Particles
NT5 Antixi Particles
NT5 Xi Minus Particles
NT5 Xi Neutral Particles
NT4 Xi-1530 Baryons
NT4 Xi-1630 Baryons
NT4 Xi-1680 Baryons
NT4 Xi-1820 Baryons
NT4 Xi-1940 Baryons
NT4 Xi-2030 Baryons
NT4 Xi-2120 Baryons
NT4 Xi-2250 Baryons
NT4 Xi-2370 Baryons
NT4 Xi-2500 Baryons
NT3 Z*Baryons
NT4 Z0-1780 Baryons
NT4 Z0-1865 Baryons
NT4 Z1-1725 Baryons
NT4 Z1-1900 Baryons
NT4 Z1-2150 Baryons
NT4 Z1-2500 Baryons
NT2 Spurions
NT2 Strange Mesons
NT3 K*-1410 Mesons
NT3 K*-1790 Mesons
NT3 K*-892 Mesons
NT3 K*0-1350 Mesons
NT3 K*2-1430 Mesons
NT3 K*3-1780 Mesons
NT3 K*4-2060 Mesons
NT3 K-1460 Mesons
NT3 K-1830 Mesons
NT3 K1-1280 Mesons
NT3 K1-1400 Mesons
NT3 K2-1580 Mesons
NT3 K2-1770 Mesons
NT3 K2-2250 Mesons
NT3 K3-2320 Mesons
NT3 K4-2500 Mesons
NT3 Kaons
NT4 Antikaons
NT5 Antikaons Neutral
NT4 Cosmic Kaons
NT4 Kaons Minus
NT4 Kaons Neutral
NT5 Antikaons Neutral
NT5 Kaons Neutral Long-Lived
NT5 Kaons Neutral Short-Lived
NT4 Kaons Plus
NT1 Virtual Particles
RT Charged-Particle Transport Theory
RT Fundamental Constants
RT Schwinger Source Theory

ELEMENTS [01]
(For chemical elements only.)
DA December 1, 1974
UF+ *Trace Elements*
* NT1 Metals
* NT1 Nonmetals
* NT1 Semimetals
* NT1 Transuranium Elements
RT Periodic System

Elevation
DA October 13, 1976
USE Levels

Eliashberg Equations
DA January 7, 1976
USE Gorkov-Eliashberg Theory

Elk River Reactor
DA December 1, 1974
USE ERR Reactor

ELLIOT LAKE [01]
DA December 1, 1974
BT1 Ontario
BT2 Canada
BT3 Developed Countries
BT3 North America
RT Stanleigh Mine

ELLIOT MODEL [01]
DA December 1, 1974
BT1 Nuclear Models
BT2 Mathematical Models
RT Shell Models

ELLIPSOMETERS [01]
DA February 23, 1979
BT1 Measuring Instruments
BT1 Polarimeters
DEF Instrument for determining the ellipticity of polarized light. Used to measure the thickness of very thin transparent films.

ELLIPSOMETRY [01]
DA March 16, 1981
BT1 Measuring Methods
RT Optical Properties

ELLIPTICAL CONFIGURATION [01]
DA December 1, 1974
BT1 Configuration

ELLSWORTHITE [01]
DA December 1, 1974
BT1 Calcium Oxides
BT2 Calcium Compounds
BT3 Alkaline Earth Metal Compounds
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT1 Niobium Oxides
BT2 Niobium Compounds
BT3 Refractory Metal Compounds
BT3 Transition Element Compounds
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT1 Oxide Minerals
BT2 Minerals
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials

ELM (Plasma Physics)
DA January 3, 1990
USE Edge Localized Modes

ELMAX DEVICES
DA January 28, 1975
BT1 Magnetic Mirrors
BT2 Open Plasma Devices
BT3 Thermonuclear Devices

ELMO BUMPY SQUARE
DA April 11, 1986
BT1 Elmo Devices
BT2 Magnetic Mirrors
BT3 Open Plasma Devices
BT4 Thermonuclear Devices
RT Elmo Bumpy Torus
DEF An Elmo Bumpy Square consists of four straight magnetic mirror arrays linked by curved high-field corner coils. The Bumpy Square is a reconfiguration of the Elmo Bumpy Torus.

ELMO BUMPY TORUS [01]
DA January 20, 1975
BT1 Bumpy Tori
BT2 Magnetic Mirrors
BT3 Open Plasma Devices
BT4 Thermonuclear Devices

BT1 Elmo Devices
BT2 Magnetic Mirrors
BT3 Open Plasma Devices
BT4 Thermonuclear Devices
RT Elmo Bumpy Square

ELMO DEVICES [01]
DA December 1, 1974
BT1 Magnetic Mirrors
BT2 Open Plasma Devices
BT3 Thermonuclear Devices
NT1 Elmo Bumpy Square
NT1 Elmo Bumpy Torus

ELONGATION [01]
DA December 1, 1974
RT Deformation
RT Expansion
RT Thermal Expansion

ELPIDITE [01]
DA December 1, 1974
BT1 Silicate Minerals
BT2 Minerals
RT Sodium Silicates
RT Zirconium Silicates

Elution (Insoluble Particles)
DA December 1, 1974
USE Elutriation

Elution (Soluble Constituents)
DA December 1, 1974
USE Leaching

ELUTRIATION [01]
DA December 1, 1974
UF *Elution (Insoluble Particles)*
BT1 Separation Processes
RT Dispersions
RT Dusts
RT Particle Size
RT Particles
RT Powders
RT Sampling

EMANATION METHOD [01]
DA December 1, 1974
NT1 Emanation Thermal Analysis
RT Materials Testing
RT Radiochemistry
RT Rare Gases

EMANATION THERMAL ANALYSIS [01]
DA December 1, 1974
BT1 Emanation Method
BT1 Thermal Analysis
RT Rare Gases

EMANOMETERS [01]
DA April 4, 1975
UF *Radon Monitors*
BT1 Radiation Detectors
BT2 Measuring Instruments

→**EMBALSE REACTOR [01]**
(Embalse, Cordoba, Argentina.)
DA July 10, 1992
BT1 Candu Type Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT2 Pressure Tube Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors

EMBANKMENTS
DA October 1, 1975
RT Dams
RT Soils

EMBARGOES [01]
DA March 8, 1978
RT Cartels
RT Foreign Policy
RT International Cooperation
RT Supply Disruption
RT Trade
DEF An order or edict of a government prohibiting the departure or entry of goods within its domains; an order issued by common carrier or public regulatory agency prohibiting the acceptance of goods.

EMBEZZLEMENT
DA March 23, 1983
BT1 Crime
RT Cost
RT Theft

EMBOLI [01]
DA December 1, 1974
RT Blood Circulation
RT Blood Flow
RT Blood Vessels
RT Cardiovascular Diseases
RT Vascular Diseases

EMBRITTLEMENT [01]
DA December 1, 1974
NT1 Helium Embrittlement
NT1 Hydrogen Embrittlement
RT Brittle-Ductile Transitions
RT Brittleness
RT Ductile-Brittle Transitions

EMBRYONIC CELLS [01]
DA December 1, 1974
UF *Amnion Cells*
BT1 Animal Cells
RT Embryos

Embryonic Development
DA December 15, 1976
USE Ontogenesis

EMBRYOS [01]
DA December 1, 1974
RT Age Groups
RT Amniotic Fluid
RT Carcinoembryonic Antigen
RT Embryonic Cells
RT Fetal Membranes
RT Fetuses
RT Ontogenesis
RT Pregnancy
RT Prenatal Irradiation
RT Reproduction
RT Uterus

EMC EFFECT [01]
DA June 25, 1985
UF *European Muon Collaboration Effect*
RT Deep Inelastic Scattering
RT Particle Structure
RT Structure Functions
DEF The unexpected variation of the structure function with the size of the nucleus. Named for the European Muon Collaboration.

Emergencies
DA December 1, 1974
USE Accidents

Emergency Core Cooling System
DA December 1, 1974
USE ECCS

EMERGENCY ENERGY CONSERVATION ACT
DA December 17, 1979
BT1 Laws
RT Emergency Plans
RT Energy Conservation

EMERGENCY PETROLEUM ALLOCATION ACT
DA November 23, 1979
BT1 Laws
RT Allocations
RT Emergency Plans

EMERGENCY PLANS [01]
DA January 30, 1975
UF *Emergency Provisions*
RT Emergency Energy Conservation Act
RT Emergency Petroleum Allocation Act
RT Evacuation
RT Radiation Accidents
RT Reactor Accidents
RT Safety
RT US Emergency Preparedness Act

Emergency Preparedness Act
(Prior to February 1992 this was a valid descriptor.)
DA April 7, 1983
USE US Emergency Preparedness Act

Emergency Provisions
DA August 25, 1977
USE Emergency Plans

Emergency Rods
DA December 1, 1974
USE Scram Rods

Emergency Showers
DA June 30, 1975
USE Safety Showers

Emergency Shutdown
DA December 1, 1974
USE Scram

EMERY OPERATION
DA November 23, 1979
BT1 Nuclear Explosions
BT2 Explosions
BT1 Underground Explosions
BT2 Explosions
NT1 Baneberry Event
NT1 Carpetbag Event
RT Contained Explosions

EMF
DA June 30, 1975
USE Electromotive Force

EMINENT DOMAIN
DA May 25, 1979
RT Land Use
RT Legal Aspects
RT Rights-of-Way
DEF The right of a government to take private property for public use by virtue of the superior dominion of the sovereign power over all lands within its jurisdiction.

EMISSION [01]
DA December 1, 1974
NT1 Electron Emission
NT2 Photoelectric Emission
NT1 Field Emission
NT1 Ion Emission
NT1 Neutron Emission
NT1 Photon Emission
NT2 Superradiance
NT1 Secondary Emission
NT2 Photoemission
NT1 Stimulated Emission
NT2 Superradiance
NT1 Thermionic Emission
RT Angular Distribution
RT Emission Spectra
RT Stationary Pollutant Sources

Emission (Electron)
DA December 1, 1974
USE Electron Emission

EMISSION COMPUTED TOMOGRAPHY [01]
DA May 7, 1980
BT1 Computerized Tomography
BT2 Tomography
BT3 Diagnostic Techniques
NT1 ECAT Scanning
NT1 Positron Computed Tomography

NT1 Single Photon Emission Computed Tomography
RT Biomedical Radiography
RT Gamma Cameras
RT Positron Cameras
RT Radioisotope Scanning

Emission Computer Axial Tomography Scanning
DA September 6, 1979
USE ECAT Scanning

EMISSION SPECTRA [01]
DA December 1, 1974
BT1 Spectra
RT Emission

EMISSION SPECTROSCOPY [01]
DA December 1, 1974
UF *Flame Spectrometry*
SF *Spectrochemistry*
BT1 Spectroscopy
NT1 Fluorescence Spectroscopy
RT Cathodoluminescence
RT Extreme Ultraviolet Spectra
RT Fourier Transform Spectrometers
RT Qualitative Chemical Analysis
RT Quantitative Chemical Analysis

EMISSIVITY [01]
DA December 1, 1974
UF *Spectral Flame Radiance*
BT1 Optical Properties
BT2 Physical Properties
BT1 Surface Properties
RT Blackbody Radiation
RT Radiant Heat Transfer

Emittance (Beam)
DA December 1, 1974
USE Beam Emittance

EML
DA July 20, 1984
SEE Environmental Measurements Laboratory

EMP
DA December 1, 1974
USE Electromagnetic Pulses

EMPHYSEMA [01]
DA November 29, 1977
BT1 Respiratory System Diseases
BT2 Diseases
RT Lungs

EMPLACEMENT
DA April 15, 1975
RT Coordinates
RT Positioning
DEF The positioning or locating of an object in a particular place as, e.g., the emplacement of a nuclear explosive device within a borehole.

Employees
DA December 1, 1974
USE Personnel

EMPLOYMENT [01]
DA August 9, 1977
UF *Unemployment*
RT Labor
RT Manpower
RT Occupations
RT US Affirmative Action Program
RT Wages
RT Work
RT Working Days

EMS [01]
DA December 1, 1974
UF *Ethyl Methanesulfonate*
BT1 Mutagens
BT1 Sulfonic Acid Esters
BT2 Esters
BT3 Organic Compounds
BT2 Organic Sulfur Compounds
BT3 Organic Compounds
RT Methane

EMSLAND REACTOR [01]
(Lingen, Niedersachsen, Federal Republic of Germany)
DA March 29, 1980
UF *Kernkraftwerk Emsland*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

EMULSIFICATION [01]
DA January 27, 1975
RT Demulsification
RT Demulsifiers
RT Emulsifiers
RT Emulsions

EMULSIFIERS [01]
DA December 1, 1974
BT1 Additives
NT1 Detergents
NT2 Pluronics
RT Demulsification
RT Demulsifiers
RT Emulsification
RT Emulsions
RT Soaps

EMULSIONS [01]
DA December 1, 1974
BT1 Colloids
BT2 Dispersions
NT1 Microemulsions
NT1 Photographic Emulsions
RT Demulsification
RT Demulsifiers
RT Emulsification
RT Emulsifiers
RT Latex

ENAMELS [01]
DA December 1, 1974
BT1 Coatings
RT Ceramics

Enanthic Acid
DA December 1, 1974
USE Heptanoic Acid

ENANTIOMORPHS
DA February 19, 1976
UF *Chiral*
UF *Dextro and Levo Optical Isomers*
UF *Optical Antipodes*
RT Stereochemistry
DEF Either of a pair of chemical compounds or crystals whose molecular structures have a mirror-image relationship to each other.

ENCAPSULATION [01]
DA April 27, 1978
RT Capsules
RT Potting
RT Radioactive Waste Processing

ENCEPHALITIS [01]
DA December 1, 1974
BT1 Nervous System Diseases
BT2 Diseases
BT1 Viral Diseases
BT2 Infectious Diseases
BT3 Diseases
RT Brain

END EFFECTS [01]
DA June 12, 1975
RT Electromagnetic Lenses
RT Magnetic Fields
RT MHD Generators
RT Wall Effects

End Use Sector
(See specific entries such as those listed below.)
DA May 3, 1979
SEE Commercial Sector
OR Industry
OR Residential Sector
OR Transportation Sector

ENDANGERED SPECIES [01]
DA March 22, 1976
RT Animals
RT Biological Extinction
RT Plants
DEF A species in danger of extinction in all or a significant part of its range.

ENDF
DA March 23, 1983
SEE Evaluated Data
OR Nuclear Data Collections

ENDOCRINE DISEASES [01]
DA December 1, 1974
BT1 Diseases
NT1 Acromegaly
NT1 Cushing Syndrome
NT1 Diabetes Mellitus
NT1 Goiter
NT1 Hyperparathyroidism
NT1 Hyperthyroidism
NT1 Hypothyroidism
NT1 Thyroiditis
RT Endocrine Glands
RT Hormone Antagonists
RT Hormones
RT Menstruation Disorders
RT Metabolic Diseases
RT Reproductive Disorders
RT Urogenital System Diseases

ENDOCRINE GLANDS [01]
DA December 1, 1974
BT1 Glands
BT2 Organs
BT3 Body
NT1 Adrenal Glands
NT1 Pancreas
NT1 Parathyroid Glands
NT1 Pituitary Gland
NT1 Thyroid
RT Endocrine Diseases
RT Gonads
RT Homeostasis
RT Hormones
RT Hypothalamus
RT Pineal Gland
RT Receptors

Endometrium
DA December 1, 1974
USE Uterus

ENDONUCLEASES [01]
DA June 29, 1984
BT1 DNA-ase
BT2 Phosphodiesterases
BT3 Esterases
BT4 Hydrolases
BT5 Enzymes
BT6 Proteins
BT7 Organic Compounds
RT DNA Methylases
RT DNA Repair
RT Gene Recombination Proteins
RT Nucleoproteins
RT RFLPS
DEF Repair enzymes which remove short segments of DNA containing a damaged nucleotide or a mismatched base pair.

ENDOPLASMIC RETICULUM [01]
DA December 1, 1974
BT1 Cell Constituents
NT1 Sarcoplasmic Reticulum
RT Microsomes
RT Subcellular Distribution

ENDOR [01]
DA December 1, 1974

UF *Electron Nuclear Double Resonance*
BT1 Magnetic Resonance
BT2 Resonance
RT Double Resonance Methods

ENDORPHINS [01]
DA April 20, 1981
BT1 Neuroregulators
BT2 Autonomic Nervous System Agents
BT3 Drugs
NT1 Enkephalins
RT Brain
RT Central Nervous System Depressants
RT Narcotics

ENDOSPERM [01]
DA December 1, 1974
BT1 Plant Tissues
BT2 Tissues
BT3 Body
RT Seeds

Endosteum
DA December 1, 1974
USE Bone Tissues

ENDOTHELIUM [01]
DA June 16, 1975
BT1 Animal Tissues
BT2 Tissues
BT3 Body
RT Epithelium

ENDOTOXINS [01]
DA December 1, 1974
BT1 Toxins
BT2 Antigens
BT2 Toxic Materials
BT3 Hazardous Materials
BT4 Materials
RT Bacteria
RT Infectivity
RT Polysaccharides

ENDOXAN [01]
DA December 1, 1974
UF *Cyclophosphamide*
BT1 Alkylating Agents
BT1 Immunosuppressive Drugs
BT2 Drugs
RT Immunosuppression

ENDURO [01]
DA December 1, 1974
BT1 Chromium-Nickel Steels
BT2 Chromium Alloys
BT3 Alloys
BT2 Nickel Alloys
BT3 Alloys
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials

ENEA [01]
(Name changed to OECD Nuclear Energy Agency in April 1972, and the more recent material should be indexed to NEA.)
DA December 1, 1974
UF *European Nuclear Energy Agency*
BT1 NEA
BT2 OECD
BT3 International Organizations

ENEL-4 REACTOR [01]
(Caorso, Italy)
DA December 1, 1974
UF *Caorso Reactor*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

ENEL-6 Reactor
DA April 9, 1985
USE Montalto Di Castro-1 Reactor

ENEL-8 Reactor
DA April 9, 1985
USE Montalto Di Castro-2 Reactor

Energetic Solar Particles
DA December 1, 1974
USE Solar Particles

ENERGY [01]
DA December 1, 1974
NT1 Activation Energy
NT1 Binding Energy
NT2 Neutron Separation Energy
NT2 Pairing Energy
NT1 Coulomb Energy
NT1 Dissociation Energy
NT1 Exergy
NT1 Free Energy
NT2 Formation Free Energy
NT2 Surface Energy
NT1 Free Enthalpy
NT2 Formation Free Enthalpy
NT2 Oxygen Potential
NT1 Geothermal Energy
NT1 Heat
NT2 Absorption Heat
NT2 Combustion Heat
NT2 Process Heat
NT3 Geothermal Process Heat
NT3 Solar Process Heat
NT2 Waste Heat
NT1 Kinetic Energy
NT2 Transverse Energy
NT1 Net Energy
NT1 Nuclear Energy
NT1 Potential Energy
NT1 Q-Value
NT1 Self-Energy
NT1 Solar Energy
NT1 Stored Energy
NT1 Threshold Energy
RT Electron Temperature
RT Energy Dependence
RT Energy-Momentum Tensor
RT Energy Range
RT Energy Sources
RT Ion Temperature
RT Neutron Temperature
RT Nuclear Temperature
RT Photon Temperature
RT Proton Temperature
RT Radioisotope Heat Sources
RT Sargent Diagrams
RT Thermodynamics
RT Work Functions

ENERGY ABSORPTION
DA February 6, 1975
BT1 Absorption
BT2 Sorption
RT Ionization
RT Radiation Doses

ENERGY ACCOUNTING [01]
DA May 7, 1977
UF *Energy Costs*
BT1 Accounting
BT1 Energy Analysis
RT Energy Audits
RT Energy Management
RT Energy Quality
RT Net Energy

ENERGY ANALYSIS [01]
DA October 20, 1977
NT1 Energy Accounting
NT1 Energy Quality
NT1 Net Energy
RT Economic Analysis
RT Energy Models
RT Input-Output Analysis
RT Systems Analysis
DEF Any analysis or methodology to discover how energy is used by economies.

Energy Applied Systems Test Facility
DA August 21, 1981
USE EAST Facility

ENERGY AUDITS [01]
DA August 7, 1979
BT1 Audits
RT Energy Accounting
RT Energy Conservation
DEF The analysis of a facility to determine the forms of energy used, the quantities and costs of various forms of energy used, the purposes for which the energy is used, and the identification of energy conservation opportunities.

ENERGY BALANCE [01]
DA January 20, 1975
UF *Balance (Energy)*
NT1 Breakeven
RT Confinement
RT Ecosystems
RT Plasma
RT Thermonuclear Reactors

ENERGY BALANCE MASS SPECTROMETERS [01]
DA December 1, 1974
BT1 Dynamic Mass Spectrometers
BT2 Mass Spectrometers
BT3 Spectrometers
BT4 Measuring Instruments

ENERGY BEAM DEPOSITION
DA February 11, 1980
UF *EBD*
BT1 Surface Coating
BT2 Deposition

ENERGY BEAM DEPOSITION FILMS
DA February 11, 1980
UF *EBD Films*
BT1 Coatings
BT1 Films

ENERGY BUDGETS
DA February 11, 1980
RT Food Chains
DEF Input-output analysis of ecosystem bioenergetics.

ENERGY CASCADE
DA January 30, 1979
UF *Energy Cascading*
BT1 Waste Heat Utilization
BT2 Waste Product Utilization
RT Cogeneration
RT Energy Conservation
RT Total Energy Systems
DEF Conservation concept starting with a high-temperature process (e.g. steel rolling mill, furnace) and with recuperation utilizes heat at progressively lower stages: gas turbine, steam turbine, process steam, and organic turbine.

Energy Cascading
DA January 30, 1979
USE Energy Cascade

Energy Complexes
DA March 4, 1977
USE Energy Parks

ENERGY CONSERVATION [01]
DA February 7, 1975
UF *Conservation (Energy)*
RT Air Infiltration
RT Carpooling
RT Cold Recovery
RT Consumer Guides

RT Emergency Energy Conservation Act
RT Energy Audits
RT Energy Cascade
RT Energy Conservation and Production Act
RT Energy Consumption
RT Energy Efficiency
RT Energy Management
RT Energy Management Systems
RT Interchangeability
RT National Energy Conservation Incentives Act
RT National Energy Plans
RT Recycling
RT Resource Conservation
RT Resource Recovery Acts
RT Solar Fraction
RT Total Energy Systems
RT US Energy Policy and Conservation Act
RT US Energy Tax Act
RT US National Energy Conservation Policy Act
RT US National Energy Plan
RT US Public Utility Regulatory Policies Act
RT Vanpooling
DEF Conservation of energy resources.

ENERGY CONSERVATION AND PRODUCTION ACT
DA November 28, 1977
UF *ECPA*
BT1 Laws
RT Energy Conservation
RT Energy Supplies
RT Petroleum

ENERGY CONSUMPTION [01]
DA February 7, 1975
NT1 Fuel Consumption
RT Consumption Rates
RT Demand
RT Demand Factors
RT Energy Conservation
RT Energy Efficiency
RT Energy Expenses
RT Gas Meters
RT Net Energy
RT Per Capita Values
RT Power Meters
RT Total Energy Systems
RT US Energy Tax Act

ENERGY CONVERSION [01]
DA December 1, 1974
BT1 Conversion
NT1 Direct Energy Conversion
NT2 Photovoltaic Conversion
NT2 Thermionic Conversion
NT2 Thermoelectric Conversion
NT2 Thermomagnetic Conversion
NT2 Thermophotovoltaic Conversion
NT1 Electrochemical Energy Conversion
NT1 Geothermal Energy Conversion
NT1 Solar Energy Conversion
NT2 Ocean Thermal Energy Conversion
NT2 Solar Thermal Conversion
RT Energy Transfer
RT Photovoltaic Effect
RT Water Brakes
RT Wave Energy Converters
RT Working Fluids

Energy Costs
DA May 7, 1977
USE Energy Accounting

ENERGY DEMAND [01]
(For all forms of energy; for electric power demand, use POWER DEMAND.)
DA February 7, 1975
BT1 Demand
RT Demand Factors
RT Energy Efficiency
RT Energy Shortages
RT Energy Supplies
RT Energy Surpluses
RT Power Demand
RT Supply and Demand

ENERGY DENSITY [01]
DA April 11, 1979
UF *Density (Energy)*
RT Charge Density
RT Quantum Mechanics

ENERGY DEPENDENCE [01]
(For explicit dependence of a certain quantity or phenomenon on the energy.)
DA December 1, 1974
RT Energy
RT Energy Range
RT Excitation Functions
RT Spectral Response

ENERGY DEPOSITION [01]
(For energy deposition by particles. See also ENERGY ABSORPTION.)
DA July 5, 1991
RT Charged-Particle Transport
RT Electron Beam Fusion Accelerator
RT Electron Beam Fusion Reactors
RT Electron Beam Targets
RT Energy Losses
RT Energy Transfer
RT Excitation
RT Impact Fusion
RT Inertial Confinement
RT Ion Beam Fusion Reactors
RT Ion Beam Targets
RT Ionization
RT Kerma
RT Laser Targets
RT LET
RT Particle Beam Fusion Accelerator
RT Plasma Heating
RT Radiation Doses

Energy Dissipation
DA December 1, 1974
USE Energy Losses

Energy Distribution
DA December 1, 1974
USE Energy Spectra

ENERGY EFFICIENCY [01]
DA June 21, 1977
BT1 Efficiency
RT Energy Conservation
RT Energy Consumption
RT Energy Demand
RT Energy Efficiency Standards
RT Energy Quality
RT Energy Substitution Equivalent
RT Net Energy
RT US Public Utility Regulatory Policies Act

ENERGY EFFICIENCY STANDARDS [01]
DA August 12, 1980
UF *Energy Performance Standards*
BT1 Standards
RT Energy Efficiency
RT Energy Losses
RT Standardization

Energy Exchange
DA December 1, 1974
USE Energy Transfer

ENERGY EXPENSES [01]
DA March 16, 1981
RT Cost
RT Economic Elasticity
RT Energy Consumption
RT Prices
DEF Monetary outlays or charges for energy consumed, not Energy Costs, for which see ENERGY ACCOUNTING

Energy Extension Service
(Prior to February 1992 this was a valid descriptor.)
DA April 12, 1977
USE US Energy Extension Service

ENERGY FACILITIES
DA June 21, 1977
UF *Facilities (Energy)*
NT1 Resource Recovery Facilities
RT Energy Parks
RT ICES Program
RT Maintenance Facilities
RT Modular Structures
RT Nuclear Facilities
RT Rural Energy Centers
RT Storage Facilities
RT Terminal Facilities
RT Underground Facilities

ENERGY GAP [01]
DA December 1, 1974
RT Band Theory
RT Graded Band Gaps
RT Superconductivity

Energy Information Administration
(Prior to February 1992 this was a valid descriptor.)
DA December 17, 1979
USE US Energy Information Administration

Energy Integrated Industrial Parks
DA September 26, 1979
USE Energy Parks
AND Industrial Parks

ENERGY-LEVEL DENSITY [01]
DA June 30, 1975
UF *Density (Energy-Level)*
RT Energy Levels
RT Energy Resolution
RT Level Widths

Energy-Level Schemes
DA December 1, 1974
USE Energy Levels

ENERGY-LEVEL TRANSITIONS [01]
DA December 1, 1974
UF *Electromagnetic Transitions*
UF *Transitions (Energy Level)*
NT1 Coster-Kronig Transitions
NT1 De-Excitation
NT2 Radiationless Decay
NT1 Excitation
NT2 Collective Excitations
NT2 Coulomb Excitation
NT2 Inner-Shell Excitation
NT1 Forbidden Transitions
NT1 Isomeric Transitions
NT1 Multipole Transitions
NT2 E0 Transitions
NT2 E1 Transitions
NT2 E2 Transitions
NT2 E3 Transitions
NT2 E4 Transitions
NT2 M1 Transitions
NT2 M2 Transitions
NT2 M3 Transitions
NT2 M4 Transitions
NT1 Stimulated Emission
NT2 Superradiance
RT Auger Effect
RT Decay
RT Einstein Coefficients
RT Energy Levels
RT Franck-Condon Principle
RT Gamma Cascades
RT Mixing Ratio
RT Multi-Photon Processes
RT Oscillator Strengths
RT Selection Rules

ENERGY LEVELS [01]
DA December 1, 1974
UF *Energy-Level Schemes*
UF *Level Density*
UF *Level Schemes*
UF *Resonance States*
UF *States (Energy)*
NT1 D States
NT1 E States
NT1 Excited States
NT2 Metastable States

NT2 Rotational States
NT2 Rydberg States
NT2 Vibrational States
NT1 F States
NT1 Fermi Level
NT1 G States
NT1 Ground States
NT1 High Spin States
NT1 Isobaric Analogs
NT1 Negative Energy States
NT1 P States
NT1 S States
NT1 Virtual States
NT1 Yrast States
RT Bound State
RT Brillouin Theorem
RT Eigenstates
RT Electronic Structure
RT Energy-Level Density
RT Energy Level Transitions
RT External Conversion
RT Fine Structure
RT Internal Conversion
RT Jahn-Teller Effect
RT Lamb Shift
RT Lande Factor
RT Level Widths
RT Nuclear Cascades
RT Nuclear Structure
RT Population Inversion
RT Quasibound State
RT Rydberg Correction
RT Strangeness Analog Resonances
RT Strength Functions

ENERGY-LOSS SPECTROSCOPY [01]
DA March 23, 1983
BT1 Electron Spectroscopy
BT2 Spectroscopy

ENERGY LOSSES [01]
DA December 1, 1974
UF *Degradation (Energy)*
UF *Energy Dissipation*
UF *Ionization Loss*
UF *Losses (Energy)*
UF *Ohmic Plasma Losses*
BT1 Losses
NT1 AC Losses
NT1 Heat Losses
NT1 Power Losses
NT2 Line Losses
NT1 Relaxation Losses
RT Attenuation
RT Bragg Curve
RT Damping
RT Dissipation Factor
RT Energy Deposition
RT Energy Efficiency Standards
RT Flaring
RT Friction
RT Hysteresis
RT Ionization
RT Ionizing Radiations
RT Landau Fluctuations
RT LET
RT Microdosimetry
RT Particle Losses
RT Radiation Effects
RT Radiation Length
RT Radiation Quality
RT Range
RT Shock Absorbers
RT Slowing Down
RT Stopping Power

ENERGY MANAGEMENT
DA June 21, 1977
BT1 Management
RT Energy Accounting
RT Energy Conservation
RT Energy Management Systems
RT Energy Supplies
RT Resource Management

ENERGY MANAGEMENT SYSTEMS [01]
DA July 18, 1979
BT1 Energy Systems
RT Buildings
RT Computerized Control Systems
RT Control Systems
RT Energy Conservation
RT Energy Management
RT Microprocessors

ENERGY MODELS [01]
DA January 23, 1976
NT1 National Coal Model
NT1 PIES
NT1 Projection Series
RT Computerized Simulation
RT Energy Analysis
RT Mathematical Models

ENERGY-MOMENTUM TENSOR [01]
DA July 7, 1976
BT1 Tensors
RT Energy
RT General Relativity Theory
RT Linear Momentum

Energy of Dissociation
DA December 1, 1974
USE Dissociation Energy

Energy Operators
DA December 1, 1974
USE Hamiltonians

ENERGY PARKS
DA January 7, 1976
UF *Energy Complexes*
UF *Parks (Energy)*
UF+ *EIIP*
UF+ *Energy Integrated Industrial Parks*
NT1 Nuclear Parks
RT Energy Facilities
RT Industrial Parks
RT Rural Energy Centers

Energy Performance Standards
DA August 12, 1980
USE Energy Efficiency Standards

ENERGY POLICY [01]
DA February 7, 1976
SF *Policy*
BT1 Government Policies
NT1 National Energy Plans
NT2 US National Energy Plan
NT1 Project Independence
RT Allocations
RT Bids
RT Economic Policy
RT Foreign Policy
RT Materials And Minerals Policy Acts
RT Nuclear Power Phaseout
RT Regional Cooperation
RT Synthetic Fuels Corporation
RT US Energy Policy and Conservation Act
RT US National Energy Conservation Policy Act
RT US Natural Gas Policy Act
RT WENDS

Energy Policy and Conservation Act
(Prior to February 1992 this was a valid descriptor.)
DA September 29, 1976
USE US Energy Policy and Conservation Act

ENERGY QUALITY
DA April 26, 1978
BT1 Energy Analysis
RT Energy Accounting
RT Energy Efficiency
RT Entropy
DEF Measured by the energy cost of sustaining an energy flow or storage

ENERGY RANGE [01]
DA December 1, 1974
NT1 EeV Range
NT1 EV Range
NT2 EV Range 01-10
NT2 EV Range 10-100
NT2 EV Range 100-1000
NT2 Milli EV Range
NT1 GeV Range
NT2 GeV Range 01-10
NT2 GeV Range 10-100
NT2 GeV Range 100-1000
NT1 KeV Range
NT2 KeV Range 01-10
NT2 KeV Range 10-100
NT2 KeV Range 100-1000
NT1 MeV Range
NT2 MeV Range 01-10
NT2 MeV Range 10-100
NT2 MeV Range 100-1000
NT1 PeV Range
NT1 Relativistic Range
NT1 TeV Range
NT2 TeV Range 01-10
NT2 TeV Range 10-100
NT2 TeV Range 100-1000
RT Energy
RT Energy Dependence
RT Group Constants

ENERGY RECOVERY [01]
DA April 6, 1978
SF *Recovery*
NT1 Heat Recovery
RT Heat
RT Kinetic Energy
RT Materials Recovery
RT Potential Energy
RT Resource Recovery Facilities
RT Thermodynamics

ENERGY RESEARCH ADVISORY BOARD
DA July 18, 1981
BT1 Advisory Committees
RT Research Programs
RT US DOE

Energy Research and Development Administration
DA October 1, 1978
USE US ERDA

ENERGY RESOLUTION [01]
(FWHM of energy spectra.)
DA December 1, 1974
BT1 Resolution
RT Energy Level Density
RT Energy Spectra

Energy Security Act
(Prior to February 1992 this was a valid descriptor.)
DA July 23, 1980
USE US Energy Security Act

Energy Security Corporation
DA July 23, 1980
USE Synthetic Fuels Corporation

ENERGY SHORTAGES [01]
DA February 7, 1976
BT1 Shortages
RT Energy Demand
RT Energy Sources
RT Energy Supplies
RT Energy Surpluses
RT Fuel Substitution

ENERGY SOURCE DEVELOPMENT [01]
DA January 10, 1977
RT Energy Sources
RT Resource Assessment
RT Resource Development
RT Resource Management
RT Resource Potential
RT Risk Assessment
RT Synthetic Fuels Corporation

ENERGY SOURCES [01]
DA December 1, 1974
NT1 Fossil Fuels
NT2 Coal
NT3 Black Coal
NT4 Anthracite
NT4 Bituminous Coal
NT3 Brown Coal
NT4 Lignite

NT3 Coal Fines
NT3 Sapropelic Coal
NT4 Boghead Coal
NT5 Torbanite
NT4 Cannel Coal
NT3 Subbituminous Coal
NT2 Natural Gas
NT3 Abiogenic Gas
NT3 Liquefied Natural Gas
NT2 Oil Sands
NT2 Oil Shales
NT2 Peat
NT2 Petroleum
NT3 Petroleum Fractions
NT4 Petroleum Distillates
NT5 Gas Oils
NT6 Diesel Fuels
NT6 Heating Oils
NT6 Kerosene
NT4 Petroleum Residues
NT4 Refinery Gases
NT3 Residual Petroleum
NT3 Sour Crudes
NT2 Shale Oil
NT3 Shale Oil Fractions
NT1 Nuclear Fuels
NT2 Alloy Nuclear Fuels
NT2 Denatured Fuel
NT2 Dispersion Nuclear Fuels
NT2 Fuel Solutions
NT2 Liquid Metal Fuels
NT2 Mixed Carbide Fuels
NT2 Molten Salt Fuels
NT2 Spent Fuels
NT1 Renewable Energy Sources
NT2 Biomass
NT2 Geothermal Energy
NT2 Hydroelectric Power
NT2 Solar Energy
NT2 Tidal Power
NT2 Wave Power
NT2 Wind Power
NT1 Wood Fuels
RT Availability
RT Energy
RT Energy Shortages
RT Energy Source Development
RT Energy Substitution Equivalent
RT Energy Supplies
RT Energy Surpluses
RT Interchangeability
RT National Energy Plans
RT Sun
RT US National Energy Plan
RT Waste Heat

ENERGY SPECTRA [01]
DA December 1, 1974
UF *Energy Distribution*
BT1 Spectra
RT Energy Resolution
RT Energy Yield
RT Group Constants
RT Rydberg Correction
RT Spectral Density
RT Spectral Response
RT Transverse Energy

ENERGY STORAGE [01]
DA December 1, 1974
BT1 Storage
NT1 Annual Energy Storage
NT1 Cold Storage
NT1 Compressed Air Energy Storage
NT1 Flywheel Energy Storage
NT1 Heat Storage
NT2 Latent Heat Storage
NT2 Seasonal Thermal Energy Storage
NT2 Sensible Heat Storage
NT2 Thermochemical Heat Storage
NT1 Magnetic Energy Storage
NT2 Superconducting Magnetic Energy Storage
NT1 Off Peak Energy Storage
NT1 Photochemical Energy Storage
NT1 Pumped Storage
RT Capacitive Energy Storage Equipment
RT Capacitors
RT Dispersed Storage and Generation
RT Electric Batteries
RT Energy Storage Systems
RT Flywheels
RT Hydraulic Accumulators
RT Hydrogen Storage
RT Mechanical Energy Storage Equipment
RT Underground Storage
RT Water Reservoirs

ENERGY STORAGE SYSTEMS [01]
DA August 4, 1976
BT1 Energy Systems
RT Capacitive Energy Storage Equipment
RT Capacitors
RT Compressed Air Energy Storage Equipment
RT Electric Batteries
RT Energy Storage
RT Heat Storage
RT Magnetic Energy Storage Equipment
RT Mechanical Energy Storage Equipment
RT Regenerators
RT Thermal Energy Storage Equipment

ENERGY SUBSTITUTION
DA January 24, 1980
RT Economic Elasticity
RT Energy Substitution Equivalent
RT Fuel Substitution
DEF Substitution of other factors, e.g., labor, capital, or materials for energy in the economy

ENERGY SUBSTITUTION EQUIVALENT
DA June 14, 1978
UF *Fuel Substitution Equivalent*
UF *Substitution Equivalent*
RT Energy Efficiency
RT Energy Sources
RT Energy Substitution
RT Fuel Substitution
RT Net Energy
DEF The amount of fuel saved by the substitution of one fuel for another when the same energy product is generated by both fuels

ENERGY SUPPLIES [01]
DA February 7, 1975
NT1 Fuel Supplies
RT Defense Production Act
RT Energy Conservation and Production Act
RT Energy Demand
RT Energy Management
RT Energy Shortages
RT Energy Sources
RT Energy Surpluses
RT Fuel Substitution
RT National Energy Plans
RT Strategic Petroleum Reserve
RT Supply and Demand
RT Supply Disruption
RT US Emergency Preparedness Act
RT US National Energy Plan
RT US Naval Petroleum Reserves

ENERGY SURPLUSES
DA August 26, 1980
RT Energy Demand
RT Energy Shortages
RT Energy Sources
RT Energy Supplies
RT Fuel Substitution

•ENERGY SYSTEMS
(Prior to January 1992 this was a valid descriptor. From January 1992 to August 1993 this concept was indexed to COOLING SYSTEMS, GEOTHERMAL SYSTEMS, HEATING SYSTEMS, or POWER SYSTEMS.)
DA August 10, 1993
NT1 Binary-Fluid Systems
NT1 Cooling Systems
NT2 Closed-Cycle Cooling Systems
NT2 Condenser Cooling Systems
NT2 Coolant Loops
NT2 Once-Through Cooling Systems
NT2 Open-Cycle Cooling Systems
NT2 Reactor Cooling Systems
NT3 Direct Cycle Cooling Systems
NT3 Dual Cycle Cooling Systems
NT3 Integrated Cooling Systems
NT3 Primary Coolant Circuits
NT4 Coolant Cleanup Systems
NT3 RCIC Systems
NT3 RHR Systems
NT3 Secondary Coolant Circuits
NT3 Shrouds
NT2 Thermonuclear Reactor Cooling Systems
NT1 DEUS
NT2 Cogeneration
NT1 Energy Management Systems
NT1 Energy Storage Systems
NT1 Geopressured Systems
NT1 Heat Distribution Systems
NT1 Heating Systems
NT2 Geothermal Heating Systems
NT2 Solar Heating Systems
NT3 Passive Solar Heating Systems
NT4 Bead Walls
NT4 Direct Gain Systems
NT4 Drum Walls
NT4 Roof Ponds
NT4 Thermic Diode Solar Panels
NT4 Trombe Walls
NT4 Water Walls
NT3 Solar-Assisted Heat Pumps
NT1 Hot-Dry-Rock Systems
NT1 Hydrothermal Systems
NT2 Geothermal Hot-Water Systems
NT2 Vapor-Dominated Systems
NT1 ICES Program
NT2 Thermal Transmission ICES
NT1 IEUS
NT2 MIUS
NT1 Lighting Systems
NT1 Natural Gas Distribution Systems
NT1 Power Systems
NT2 AC Systems
NT3 EHV AC Systems
NT3 HVAC Systems
NT3 UHV AC Systems
NT2 Brayton Cycle Power Systems
NT2 DC Systems
NT3 EHV DC Systems
NT3 HVDC Systems
NT3 UHV DC Systems
NT2 Interconnected Power Systems
NT2 Rankine Cycle Power Systems
NT2 Solar-Assisted Power Systems
NT1 Space HVAC Systems
NT1 Steam Systems
NT2 Flashed Steam Systems
NT1 Total Energy Systems
NT1 Total Flow Systems

Energy Tax Act
(Prior to February 1992 this was a valid descriptor.)
DA May 6, 1980
USE US Energy Tax Act

Energy Technology Data Exchange
DA February 25, 1991
USE ETDE

ENERGY TRANSFER [01]
DA December 1, 1974
UF *Energy Exchange*
UF *Transfer (Energy)*
NT1 Heat Transfer
NT2 Convection
NT3 Forced Convection
NT3 Natural Convection
NT3 Thermosyphon Effect
NT2 Radiant Heat Transfer
NT2 Thermal Conduction
NT1 LET
NT1 Radiationless Decay
RT Air-Water Interactions
RT Angular Momentum Transfer
RT Energy Conversion
RT Energy Deposition

RT Energy Yield
RT Internal Waves
RT Linear Momentum Transfer
RT Mass Transfer

Energy Transmission
DA February 7, 1975
SEE Power Transmission

Energy Transport
(Prior to December 1991 this was a valid descriptor.)
DA February 7, 1975
SEE Natural Gas Distribution Systems
OR Pipelines
OR Power Distribution
OR Power Transmission

ENERGY YIELD [01]
DA February 19, 1975
BT1 Yields
RT Energy Spectra
RT Energy Transfer
RT Net Energy

Enewetak
DA July 24, 1979
SEE Eniwetok

ENFORCEMENT [01]
DA November 1, 1976
RT Administrative Procedures
RT Escrow Accounts
RT Laws
RT Legal Aspects
RT Notice of Probable Violation
RT Pollution Control Agencies
RT Pollution Regulations
RT Regulations
RT US Superfund
RT Violations

ENGINEERED SAFETY SYSTEMS [01]
DA January 30, 1975
NT1 Air Cleaning Systems
NT1 Containment Systems
NT2 Containment Spray Systems
NT1 Reactor Protection Systems
NT2 ECCS
NT3 Core Flooding Systems
NT3 Core Spray Systems
NT3 High Pressure Coolant Injection
NT3 Low Pressure Coolant Injection
NT2 Reactor Core Restraints
RT Safety
RT Safety Engineering

ENGINEERING [01]
DA December 1, 1974
NT1 Chemical Engineering
NT1 Civil Engineering
NT1 Electrical Engineering
NT1 Environmental Engineering
NT1 Human Factors Engineering
NT1 Mechanical Engineering
NT1 Mining Engineering
NT1 Nuclear Engineering
NT1 Reservoir Engineering
NT1 Safety Engineering
RT Engineering Geology
RT Engineers

ENGINEERING DRAWINGS [01]
DA October 20, 1982
BT1 Diagrams
RT Design
RT Specifications

ENGINEERING GEOLOGY [01]
DA March 8, 1977
UF *Geologic Engineering*
BT1 Geology
RT Engineering
RT Soil-Structure Interactions
DEF Geology as applied to engineering practice, especially in mining and civil engineering.

Engineering Personnel
(Prior to August 1992 this was a valid descriptor.)
DA February 8, 1982
USE Engineers

Engineering Test Facility (Tokamak)
DA December 17, 1979
USE ETF Tokamak

Engineering Test Reactor
DA December 1, 1974
USE ETR Reactor

Engineering Test Reactor Critical Facility
DA December 1, 1974
USE ETRC Reactor

ENGINEERS [01]
DA January 15, 1980
UF *Engineering Personnel*
BT1 Professional Personnel
BT2 Personnel
BT3 Man
BT4 Primates
BT5 Mammals
BT6 Vertebrates
BT7 Animals
RT Construction Industry
RT Engineering
RT Labor

ENGINES [01]
(Machines in which work is done by the conversion of energy into mechanical force and motion.)
DA February 5, 1975
NT1 Heat Engines
NT2 Internal Combustion Engines
NT3 Diesel Engines
NT3 Dual-Fuel Engines
NT3 Gas Turbine Engines
NT3 Ramjet Engines
NT3 Rotary Engines
NT4 Wankel Engines
NT3 Spark Ignition Engines
NT4 Wankel Engines
NT3 Stratified Charge Engines
NT3 Turbofan Engines
NT3 Turbojet Engines
NT2 Nitinol Heat Engines
NT2 Rankine Cycle Engines
NT2 Solar Heat Engines
NT2 Stirling Engines
NT1 Motors
NT2 Electric Motors
NT3 Superconducting Motors
NT2 Pneumatic Motors
NT1 Rocket Engines
RT Combustion Chambers
RT Federal Test Procedure
RT Fuel Injection Systems

England
DA December 1, 1974
USE United Kingdom

ENHANCED RADIATION WEAPONS
DA March 16, 1981
UF *Neutron Bombs*
BT1 Nuclear Weapons
BT2 Weapons
RT Radiological Warfare

ENHANCED RECOVERY [01]
DA February 19, 1976
UF *Secondary Recovery*
UF *Tertiary Recovery*
SF *EOR*
SF *Recovery*
NT1 Microbial EOR
NT1 Thermal Recovery
RT Acidization
RT Carbon Dioxide Injection
RT Caustic Flooding
RT Directional Drilling
RT Displacement Fluids
RT Explosive Stimulation
RT Fluid Injection
RT Fluid Injection Processes
RT Fracturing
RT Hydraulic Fracturing
RT Microemulsion Flooding
RT Miscible-Phase Displacement
RT Natural Gas
RT Petroleum
RT Sweep Efficiency

Enhanced Recovery (Biological)
DA January 9, 1992
USE Biological Recovery

ENIWETOK [01]
DA December 1, 1974
SF *Enewetak*
BT1 Marshall Islands
BT2 Micronesia
BT3 Islands
BT3 Oceania
RT Greenhouse Project
RT Hardtack Project
RT Ivy Project
RT Mike Event

ENKEPHALINS [01]
DA July 5, 1978
BT1 Endorphins
BT2 Neuroregulators
BT3 Autonomic Nervous System Agents
BT4 Drugs
BT1 Polypeptides
BT2 Peptides
BT3 Proteins
BT4 Organic Compounds
DEF Naturally occurring (brain and pituitary gland) opiate-like materials composed of a mixture of two pentapeptides.

ENOLS [01]
DA December 1, 1974
BT1 Alcohols
BT2 Hydroxy Compounds
BT3 Organic Compounds
RT Ketones

Enriched Materials (Isotopes)
DA December 1, 1974
USE Isotope Enriched Materials

Enriched Materials (Ores)
DA December 1, 1974
USE Ore Concentrates

ENRICHED URANIUM [01]
DA December 1, 1974
BT1 Isotope Enriched Materials
BT2 Materials
BT1 Uranium
BT2 Actinides
BT3 Metals
BT4 Elements
NT1 Highly Enriched Uranium
NT1 Moderately Enriched Uranium
NT1 Slightly Enriched Uranium
RT Enriched Uranium Reactors
RT Portsmouth Centrifuge Enrichment Plant

ENRICHED URANIUM REACTORS [01]
(Reactors primarily fuelled with ENRICHED URANIUM.)
DA December 1, 1974
SF *710 Reactor*
BT1 Reactors
NT1 ACPR Reactor
NT1 Aerojet-General Nucleonics Reactors
NT1 AFSR Reactor
* NT1 AGR Type Reactors
NT1 Al-L-77 Reactor
NT1 ALRR Reactor
NT1 ANEX Reactor
NT1 ANNA Reactor
NT1 APS Reactor
NT1 Apsara Reactor
NT1 ARBUS Reactor
* NT1 Argonaut Type Reactors
NT1 ARMF-1 Reactor
NT1 ASTRA Reactor
NT1 ATR Reactor
NT1 ATRC Reactor

NT1 Avogadro RS-1 Reactor
NT1 AVR Reactor
NT1 BAWTR Reactor
NT1 Beloyarsk-1 Reactor
NT1 Beloyarsk-2 Reactor
NT1 BGRR Reactor
NT1 BIGR Reactor
NT1 BIR Reactor
NT1 BOR-60 Reactor
NT1 BORAX-1 Reactor
NT1 BORAX-2 Reactor
NT1 BORAX-3 Reactor
NT1 BORAX-4 Reactor
NT1 BORAX-5 Reactor
NT1 BR-02 Reactor
NT1 BR-2 Reactor
NT1 BR-3-VN Reactor
NT1 BRR Reactor
NT1 BSR-1 Reactor
NT1 BSR-2 Reactor
* NT1 BWR Type Reactors
NT1 BYU L-77 Reactor
NT1 Cabri Reactor
NT1 Cesnef Reactor
NT1 Chernobylsk-1 Reactor
NT1 Chernobylsk-2 Reactor
NT1 Chernobylsk-3 Reactor
NT1 Chernobylsk-4 Reactor
NT1 Consort-2 Reactor
NT1 Coral-1 Reactor
NT1 CP-3M Reactor
NT1 CP-5 Reactor
NT1 CVTR Reactor
NT1 Democritus Reactor
NT1 DFR Reactor
NT1 Dido Reactor
NT1 DMTR Reactor
NT1 DR-1 Reactor
NT1 DR-2 Reactor
NT1 DR-3 Reactor
NT1 Dragon Reactor
NT1 EBOR Reactor
NT1 EGCR Reactor
NT1 EL-3 Reactor
NT1 EL-4 Reactor
NT1 Enrico Fermi-1 Reactor
NT1 EOCR Reactor
NT1 ESADA-VESR Reactor
NT1 ESSOR Reactor
NT1 ETR Reactor
NT1 ETRC Reactor
NT1 EVSR Reactor
NT1 FMRB Reactor
NT1 FNR Reactor
NT1 FR-0 Reactor
NT1 FRF Reactor
NT1 FRG-1 Reactor
NT1 FRG-2 Reactor
NT1 FRJ-1 Reactor
NT1 FRJ-2 Reactor
NT1 FRM Reactor
NT1 Fulton-1 Reactor
NT1 Fulton-2 Reactor
NT1 GA Standard Reactor
NT1 GETR Reactor
NT1 GTRR Reactor
NT1 Harmonie Reactor
NT1 HBWR Reactor
NT1 Hector Reactor
NT1 Herald Reactor
NT1 Hero Reactor
NT1 HFBR Reactor
NT1 HFETR Reactor
NT1 HFIR Reactor
NT1 HFR Reactor
NT1 HIFAR Reactor
NT1 HNPF Reactor
NT1 HOR Reactor
NT1 Horace Reactor
NT1 HPRR Reactor
NT1 HRE-2 Reactor
NT1 HTLTR Reactor
NT1 HTR Reactor
NT1 HTTR Reactor
NT1 Humboldt Bay Reactor
NT1 HWCTR Reactor
NT1 IAN-R1 Reactor
NT1 IEAR 1 Reactor
NT1 Ignalinsk-1 Reactor
NT1 Ignalinsk-2 Reactor
NT1 IRL Reactor
NT1 IRR-1 Reactor
NT1 IRT Reactor
NT1 IRT-2000 Djakarta Reactor
NT1 IRT-2000 Moscow Reactor
NT1 IRT-C Reactor
NT1 IRT-F Reactor
NT1 IRT-Sofia Reactor
NT1 Isis Reactor
NT1 Ispra-1 Reactor
NT1 ITR Reactor
NT1 JANUS Reactor
NT1 JEEP-2 Reactor
NT1 JEN Reactor
NT1 JEN-1 Reactor
NT1 JMTR Reactor
NT1 JRR-1 Reactor
NT1 JRR-2 Reactor
NT1 JRR-3M Reactor
NT1 JRR-4 Reactor
NT1 KMR Reactor
NT1 KNK Reactor
NT1 KNK-2 Reactor
NT1 KUCA Reactor
NT1 KUHFR Reactor
NT1 KUR Reactor
NT1 Kursk-1 Reactor
NT1 Kursk-2 Reactor
NT1 Kursk-3 Reactor
NT1 Kursk-4 Reactor
NT1 Leningrad-1 Reactor
NT1 Leningrad-2 Reactor
NT1 Leningrad-3 Reactor
NT1 Leningrad-4 Reactor
NT1 Lido Reactor
NT1 LITR Reactor
NT1 LPR Reactor
NT1 LPTR Reactor
NT1 Lucens Reactor
NT1 MAPLE Reactor
NT1 MAPLE Type Reactors
NT1 Maria Reactor
NT1 Marviken Reactor
NT1 Maryla Reactor
NT1 Masurca Reactor
NT1 Melusine-1 Reactor
NT1 Merlin Reactor
NT1 Minerve Reactor
NT1 MITR Reactor
NT1 ML-1 Reactor
NT1 MNR Reactor
NT1 MRR Reactor
NT1 MSRE Reactor
NT1 MTR Reactor
NT1 MURR Reactor
NT1 N-Reactor
NT1 NCSCR-1 Reactor
NT1 Nevada University Reactor
NT1 Niederaichbach Reactor
NT1 NSRR Reactor
NT1 NTR Reactor
NT1 Nuclear Furnace Reactor
NT1 Oldbury-B Reactor
NT1 OMRE Reactor
NT1 ORR Reactor
NT1 Osiris Reactor
NT1 OWR Reactor
NT1 PARR Reactor
NT1 PBR Reactor
NT1 PCTR Reactor
NT1 Peach Bottom-1 Reactor
NT1 Pegase Reactor
NT1 Peggy Reactor
NT1 Pelinduna Reactor
NT1 Perryman-1 Reactor
NT1 Perryman-2 Reactor
NT1 Phebus Reactor
NT1 Phenix Reactor
NT1 Pluto Reactor
NT1 PNPF Reactor
NT1 PRNC-L-77 Reactor
NT1 Proteus Reactor
NT1 PRR Reactor
NT1 PRR-1 Reactor
NT1 PTR Reactor
NT1 Pulstar-Buffalo Reactor
* NT1 PWR Type Reactors
NT1 R-2 Reactor
NT1 R-A Reactor
NT1 R2-0 Reactor
NT1 RA-5 Reactor
NT1 RANA Reactor
NT1 Rapsodie Reactor
NT1 RB-1 Reactor
NT1 RG-1M Reactor
NT1 RITMO Reactor
NT1 ROSPO Reactor
NT1 RPT Reactor
NT1 RTS-1 Reactor
NT1 RV-1 Reactor
NT1 Safari-1 Reactor
NT1 Saphir Reactor
NT1 SBR-1 Reactor
NT1 Schmehausen-2 Reactor
NT1 SER Reactor
NT1 SGHWR Reactor
NT1 SHCA Reactor
NT1 Silene Reactor
NT1 Siloe Reactor
NT1 Siloette Reactor
* NT1 Slowpoke Type Reactors
NT1 Smolensk-1 Reactor
NT1 Smolensk-2 Reactor
NT1 SMR Reactor
NT1 SNAP 2 Reactor
NT2 S2DS Reactor
NT1 Snap 4 Reactor
NT1 SNAP 8 Reactor
NT2 S8DR Reactor
NT2 S8ER Reactor
NT1 SNAP 10 Reactor
NT2 S10FS-1 Reactor
NT2 S10FS-3 Reactor
NT2 S10FS-4 Reactor
NT1 SNAP 50 Reactor
NT1 SNAP-TSF Reactor
NT1 SNAPTRAN Reactors
NT1 SPERT-1 Reactor
NT1 SPERT-2 Reactor
NT1 SPERT-3 Reactor
NT1 SPERT-4 Reactor
NT1 SR-1 Reactor
NT1 SR-OA Reactor
NT1 SRE Reactor
NT1 STEK Reactor
NT1 STIR Reactor
NT1 Summit-1 Reactor
NT1 Summit-2 Reactor
NT1 Super Phenix Reactor
NT1 SUPO Reactor
NT1 SUR-100 Series Reactor
NT1 TCA Reactor
NT1 Thetis Reactor
NT1 THOR Reactor
NT1 THTR-300 Reactor
NT1 TIBR Reactor
NT1 Toshiba Reactor
NT1 TR-1 Reactor
NT1 TREAT Reactor
* NT1 TRIGA Type Reactors
NT1 Triton Reactor
NT1 TRR-1 Reactor
NT1 TSR-1 Reactor
NT1 TZ1 Reactor
NT1 TZ2 Reactor
NT1 UHTREX Reactor
NT1 UKNR Reactor
NT1 UMNE-1 Reactor
NT1 UMRR Reactor
NT1 UTRR Reactor
NT1 UVAR Reactor
NT1 UWTR Reactor
NT1 Venus Reactor
NT1 VG-400 Reactor
NT1 VGR-50 Reactor
NT1 VHTR Reactor
NT1 Vidal-1 Reactor
NT1 Vidal-2 Reactor
NT1 VIPER Reactor
NT1 VR-1 Reactor
NT1 Vrain Reactor
NT1 WNTR Reactor
NT1 WPIR Reactor
NT1 WR-1 Reactor
NT1 WRRR Reactor
NT1 WTR Reactor
* NT1 WWR Type Reactors
NT1 XMA-1 Reactor
NT1 ZLFR Reactor
NT1 ZPR Reactor
RT Beloyarsk-3 Reactor
RT BN-350 Reactor
RT Cesar Reactor
RT Clinch River Breeder Reactor
RT EBR-2 Reactor
RT Enriched Uranium
RT EOLE Reactor
RT Nora Reactor
RT PDP Reactor
RT PFR Reactor
RT SNEAK Reactor
RT VERA Reactor

RT ZEBRA Reactor
RT Zenith Reactor

ENRICHMENT
(For isotopic enrichment use ISOTOPE SEPARATION.)
DA April 30, 1975
NT1 Ore Enrichment
NT1 Oxygen Enrichment
RT Isotope Separation
RT Purification
RT Refining

Enrichment (Isotopic)
DA December 1, 1974
USE Isotope Separation

Enrichment (Ores)
DA December 1, 1974
USE Ore Enrichment

Enrichment Plants (Centrifuge)
DA April 27, 1978
USE Centrifuge Enrichment Plants

ENRICO FERMI-1 REACTOR [01]
(Lagoona Beach, Michigan, USA)
DA December 1, 1974
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 LMFBR Type Reactors
BT2 FBR Type Reactors
BT3 Breeder Reactors
BT4 Reactors
BT3 Fast Reactors
BT4 Epithermal Reactors
BT5 Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Sodium Cooled Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors

ENRICO FERMI-2 REACTOR [01]
(New Port, Michigan, USA)
DA December 1, 1974
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

ENRICO FERMI AWARD
DA January 27, 1981
BT1 Awards

Enrico Fermi Nuclear Research Center Reactor
DA December 1, 1974
USE Cesnef Reactor

ENRICO FERMI REACTOR
DA January 20, 1975
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Ship Propulsion Reactors
BT2 Propulsion Reactors
BT3 Reactors
RT NS Enrico Fermi

ENSTATITE
DA March 31, 1976
BT1 Magnesium Silicates
BT2 Magnesium Compounds
BT3 Alkaline Earth Metal Compounds
BT2 Silicates
BT3 Oxygen Compounds
BT3 Silicon Compounds
BT1 Pyroxenes
BT2 Minerals
BT2 Silicates
BT3 Oxygen Compounds
BT3 Silicon Compounds
BT1 Silicate Minerals
BT2 Minerals
DEF A common rock forming mineral of the orthpyroxene group: $MgSiO_3$.

ENTERITIS [01]
DA December 1, 1974
BT1 Digestive System Diseases
BT2 Diseases
RT Diarrhea
RT Intestines

ENTHALPY [01]
DA December 1, 1974
BT1 Thermodynamic Properties
BT2 Physical Properties
NT1 Absorption Heat
NT1 Adsorption Heat
NT1 Mixing Heat
NT1 Reaction Heat
NT2 Combustion Heat
NT2 Dissociation Heat
NT2 Formation Heat
NT1 Solution Heat
NT1 Transition Heat
NT2 Fusion Heat
NT2 Sublimation Heat
NT2 Vaporization Heat
RT Entropy
RT Heating Load
RT Thermodynamics

ENTITLEMENTS PROGRAM
DA June 2, 1977
UF *Domestic Crude Oil Entitlements Program*
RT Allocations
RT Petroleum Refineries
RT Prices
DEF Government program under which refiners with unusually large amounts of old (cheaper) crude pay premium to refine it; premium is paid to firms that have primarily higher-cost crude.

Entomology
DA December 1, 1974
USE Insects

ENTRAINMENT [01]
DA December 1, 1974
RT Aquatic Organisms
RT Babcock and Wilcox-DuPont Process
RT CE Entrained Fuel Process
RT Combined-Cycle FW Process
RT Dow Gasification Process
RT Extraction Apparatuses
RT Impingement
RT Solvent Extraction

Entrainment Separators
DA March 8, 1977
USE Mist Extractors

ENTROPY [01]
DA December 1, 1974
BT1 Thermodynamic Properties
BT2 Physical Properties
RT Energy Quality
RT Enthalpy
RT H Theorem
RT Isentropic Processes
RT Thermodynamics

ENTRY CONTROL SYSTEMS [01]
DA July 8, 1982
UF *Access Denial Systems*
BT1 Control Systems
RT Human Intrusion
RT Physical Protection
RT Security
DEF Systems for controlling access to general and critical areas of a nuclear facility.

Envelope Houses
DA June 13, 1981
USE Double Envelope Buildings

ENVIRONMENT [01]
DA December 1, 1974
RT Accidents
RT Biological Adaptation
RT Biosphere
RT Clean Air Acts
RT Clean Water Acts
RT Contamination
RT Controlled Atmospheres
RT Earth Atmosphere
RT Ecosystems
RT Environmental Effects
RT Environmental Exposure Pathway
RT Environmental Impact Statements
RT Environmental Impacts
RT Environmental Policy
RT Environmental Transport
RT Fallout Deposits
RT Habitat
RT Hydrosphere
RT Nature Reserves
RT Pollution
RT Prevention of Significant Deterioration
RT Preventive Medicine
RT Radiation Protection
RT Radionuclide Migration
RT Reactor Sites
RT Regional Analysis
RT Site Selection
RT Thermal Comfort
RT US National Environmental Policy Act
RT Wilderness Protection Acts

Environmental Concentration
DA June 14, 1984
USE Ecological Concentration

ENVIRONMENTAL EFFECTS [01]
(This descriptor is to be used only when the actual effects on the environment are discussed.)
DA April 8, 1975
RT Environment
RT Environmental Impact Statements
RT Environmental Impacts
RT Environmental Policy
RT Land Pollution
RT Thermal Pollution
RT Water Pollution

ENVIRONMENTAL ENGINEERING [01]
DA December 1, 1974
BT1 Engineering
RT Aesthetics
RT Air Conditioning
RT Pollution Control Equipment

ENVIRONMENTAL EXPOSURE [01]
DA September 21, 1984
RT Acute Exposure
RT Air Pollution
RT Carcinogens
RT Chronic Exposure
RT Hazardous Materials
RT Ionizing Radiations
RT Land Pollution
RT Mutagens
RT Water Pollution

Environmental Exposure Chambers
DA October 20, 1977
USE Exposure Chambers

ENVIRONMENTAL EXPOSURE PATHWAY [01]
DA October 1, 1975
RT Biointrusion

RT Electron Density
RT Electron-Deuteron Interactions
RT Electron Drift
RT Electron-Hole Coupling
RT Electron-Muon-Tau Universality
RT Electron-Muon Universality
RT Electron Pairs
RT Electron Spectroscopy
RT Electron Temperature
RT Muonium
RT Positronium
RT Positrons
RT Traps
RT Umklapp Processes

ELECTROPHORESIS [01]
DA December 1, 1974
UF *Cataphoresis*

RT Electroslag Casting

ELECTROSTATIC ACCELERATORS [01]
DA December 1, 1974
BT1 Accelerators
NT1 Cockcroft-Walton Accelerators
NT1 Dynamitrons
NT1 Pelletron Accelerators
NT2 5U Pelletron Accelerator
* NT1 Tandem Electrostatic Accelerators
NT1 Van de Graaff Accelerators
NT2 CRNL Mp Tandem Accelerator
NT2 Learn Tandem Accelerator
NT2 Orsay Tandem Accelerator
NT2 Vivitron Tandem Accelerator

RT Electric Sparks
RT Electrostatic Charge Eliminators
RT Electrostatic Mirrors
RT Electrostatic Precipitators
RT Xerography

Electrovac Equations
DA July 20, 1983
USE Einstein-Maxwell Equations

Electroweak Mixing Angle
DA July 23, 1985
USE Weinberg Angle

Electroweak Model
DA March 26, 1985
USE Weinberg-Salam Gauge Model

RT Biological Availability
RT Biological Models
RT Ecosystems
RT Environment
RT Food Chains

ENVIRONMENTAL IMPACT STATEMENTS [01]
DA January 30, 1975
BT1 Document Types
RT Environment
RT Environmental Effects
RT Environmental Impacts
RT US National Environmental Policy Act

ENVIRONMENTAL IMPACTS [01]
(This descriptor is to be used to describe the possible effects on the environment from a proposed project.)
DA January 31, 1977
RT Aesthetics
RT Environment
RT Environmental Effects
RT Environmental Impact Statements
RT Environmental Policy
RT Environmental Quality
RT Nuclear Winter
RT SEEDIS

ENVIRONMENTAL MATERIALS [01]
(Use only for unspecified samples from the environment. See also specific environmental materials.)
DA January 23, 1978
UF *Materials (Environmental)*
BT1 Materials
RT Air
RT Atmospheric Precipitations
RT Biological Materials
RT Minerals
RT Monitoring
RT Ores
RT Rocks
RT Sediments
RT Soils
RT Water

ENVIRONMENTAL MEASUREMENTS LABORATORY [01]
(New York, USA.)
DA July 20, 1984
SF *EML*
BT1 US DOE
BT2 US Organizations
BT3 National Organizations

Environmental Parks
DA August 8, 1978
USE Nature Reserves

ENVIRONMENTAL POLICY [01]
DA February 14, 1978
SF *Policy*
BT1 Government Policies
NT1 Water Policy
RT Clean Air Acts
RT Clean Water Acts
RT Economics
RT Environment
RT Environmental Effects
RT Environmental Impacts
RT Environmental Quality
RT Planning
RT US National Environmental Policy Act
RT US Superfund

Environmental Protection Agency
DA December 1, 1974
USE US EPA

ENVIRONMENTAL QUALITY [01]
DA September 6, 1979
NT1 Air Quality
NT1 Water Quality
RT Environmental Impacts
RT Environmental Policy
RT Quality of Life

Environmental Temperature
DA March 22, 1976
USE Ambient Temperature

ENVIRONMENTAL TRANSPORT [01]
DA November 1, 1976
SF *Heat Dissipation*
SF *Transport (Environmental)*
BT1 Mass Transfer
NT1 Long-Range Transport
NT1 Radionuclide Migration
NT1 Runoff
RT Air-Biosphere Interactions
RT Air-Water Interactions
RT Carbon Sources
RT Downwelling
RT Ecological Concentration
RT Environment
RT Leachates
RT Radioecological Concentration
RT Sinks
RT Transfrontier Contamination

ENZYMATIC HYDROLYSIS [01]
DA March 22, 1976
BT1 Hydrolysis
BT2 Lysis
BT2 Solvolysis
BT3 Decomposition
BT4 Chemical Reactions
RT Acid Hydrolysis
RT Alkaline Hydrolysis
RT Biodegradation
RT Cellulase
RT Cellulolytic Activity
RT Clostridium Thermocellum
RT Enzymes
RT Hydrolases
RT Pellicularia
RT Thermoactinomyces
RT Thielavia

ENZYME ACTIVITY [01]
DA August 8, 1978
NT1 Cellulolytic Activity
RT Activity Levels
RT Biochemical Reaction Kinetics
RT Catalysis
RT Chemical Reaction Kinetics
RT Enzymes
RT Metabolic Activation
RT Metabolism
RT Structure-Activity Relationships

ENZYME IMMUNOASSAY [01]
DA February 22, 1985
BT1 Immunoassay
BT2 Bioassay
RT Antibodies
RT Antigen-Antibody Reactions
RT Antigens
RT CPB
RT Enzymes

ENZYME INDUCTION [01]
DA November 15, 1985
BT1 Gene Regulation
RT Biosynthesis
RT Enzymes
RT Gene Repressors
DEF The process by which a cell accelerates the production of a specific protein or enzyme in response to environmental changes.

ENZYME INHIBITORS [01]
DA March 11, 1976
UF *Inhibitors (Enzyme)*
RT Enzymes
RT Inhibition
DEF Substances capable of stopping or retarding the action of an enzyme. They usually interact with the enzyme to reduce the rate of reaction.

ENZYME REACTIVATION [01]
DA November 1, 1976
RT Chemical Activation
RT Enzymes

ENZYMES [01]
(The enzyme code numbers from ENZYME NOMENCLATURE: RECOMMENDATIONS (1972) OF THE INTERNATIONAL UNION OF PURE AND APPLIED CHEMISTRY AND THE INTERNATIONAL UNION OF BIOCHEMISTRY is given in a Scope Note for the individual enzymes.)
DA December 1, 1974
BT1 Proteins
BT2 Organic Compounds
NT1 DNA Helicases
* NT1 Hydrolases
NT1 Isomerases
NT1 Ligases
NT1 Lyases
NT2 Carbon-Carbon Lyases
NT3 Aldehyde-Lyases
NT3 Aldolases
NT3 Carboxy-Lyases
NT4 Carboxylase
NT4 Decarboxylases
NT4 Ribulose Diphosphate Carboxylase
NT2 Carbon-Oxygen Lyases
NT3 Hydro-Lyases
NT4 Carbonic Anhydrase
NT2 Cyclases
NT2 DNA Methylases
NT1 Oxidoreductases
NT2 Amine Oxidases
NT3 Histaminase
NT2 Aryl 4-Monooxygenase
NT2 Haem Dehydrogenases
NT3 Cytochrome Oxidase
NT2 Hemiacetal Dehydrogenases
NT3 Alcohol Dehydrogenase
NT3 Lactate Dehydrogenase
NT2 Hydrogenases
NT2 Hydroxylases
NT3 Tyrosinase
NT2 Luciferase
NT2 Nitro-Group Dehydrogenases
NT3 Nitrogenase
NT3 Nitroreductases
NT3 Uricase
NT2 Nucleotide Dehydrogenases
NT3 Diaphorase
NT2 Oxygenases
NT3 Mixed-Function Oxidases
NT3 Tryptophan Oxygenase
NT2 Peroxidases
NT3 Catalase
NT2 Superoxide Dismutase
NT1 Transferases
NT2 Carbon-Group Transferases
NT3 Methyl Transferases
NT2 Glycosyl Transferases
NT3 Hexosyl Transferases
NT3 Pentosyl Transferases
NT4 Hypoxanthine Phosphoribosyltransferase
NT2 Nitrogen Transferases
NT3 Aminotransferases
NT2 Phosphorus-Group Transferases
NT3 Nucleotidyltransferases
NT4 Polymerases
NT5 DNA Polymerases
NT5 RNA Polymerases
NT3 Phosphotransferases
NT4 Hexokinase
NT4 Streptidine Kinase
RT Autolysis
RT Biochemical Reaction Kinetics
RT Biochemistry
RT Biosynthesis
RT Catalysis
RT Coenzymes
RT Enzymatic Hydrolysis
RT Enzyme Activity
RT Enzyme Immunoassay
RT Enzyme Induction
RT Enzyme Inhibitors
RT Enzyme Reactivation
RT Glycolysis
RT Immobilized Enzymes
RT Isoenzymes
RT Metabolism
RT Radioenzymatic Assay

BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds

EUROPIUM PERCHLORATES [01]
DA October 28, 1975
BT1 Europium Compounds
BT2 Rare Earth Compounds
BT1 Perchlorates

EUTROPHICATION [01]
DA August 24, 1976
RT Algae
RT Aquatic Ecosystems
RT Estuaries

RT Receptors
RT Substrates

EOCENE EPOCH [01]
DA October 20, 1977
BT1 Tertiary Period
BT2 Cenozoic Era
BT3 Geologic Ages
RT Age Estimation
RT Geologic History
RT Stratigraphy

EOCR REACTOR [01]
DA December 1, 1974
UF *Experimental Organic Cooled Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Experimental Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Organic Cooled Reactors
BT2 Reactors
BT1 Organic Moderated Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

EOLE REACTOR [01]
(CEA/CEN, Cadarache, St. Paul Lez Durance, France)
DA December 1, 1974
BT1 Heavy Water Cooled Reactors
BT2 Reactors
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
RT Enriched Uranium Reactors
RT Natural Uranium Reactors

EOR
DA March 4, 1980
SEE Enhanced Recovery

EOSIN [01]
DA December 1, 1974
BT1 Dyes
BT1 Hydroxy Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT1 Indicators
BT1 Organic Bromine Compounds
BT2 Organic Halogen Compounds
BT3 Organic Compounds
RT Phthalic Acid

EOSINOPHILS [01]
DA December 1, 1974
BT1 Leukocytes
BT2 Blood Cells
BT3 Blood
BT4 Body Fluids
BT5 Biological Materials
BT6 Materials

EPA
DA December 1, 1974
USE US EPA

EPCA
DA September 29, 1976
USE US Energy Policy and Conservation Act

EPDM
DA May 6, 1980
USE Ethylene Propylene Diene Polymers

EPEC REACTOR [01]
DA December 1, 1974
BT1 Power Reactors
BT2 Reactors

EPHEDRINE [01]
DA December 1, 1974
BT1 Alkaloids
BT2 Organic Compounds
BT1 Amines
BT2 Organic Compounds
BT1 Hydroxy Compounds
BT2 Organic Compounds
BT1 Sympathomimetics
BT2 Autonomic Nervous System Agents
BT3 Drugs
BT1 Vasoconstrictors
BT2 Cardiovascular Agents
BT3 Drugs

EPHEMEROPTERA [01]
DA February 21, 1984
UF *Mayflies*
BT1 Insects
BT2 Arthropods
BT3 Invertebrates
BT4 Animals
RT Aquatic Organisms

EPIC STORAGE RING [01]
(Electron-Positron(proton) Intersecting Complex.)
DA January 20, 1975
BT1 PEP Storage Rings
BT2 Storage Rings

EPICENTERS [01]
DA October 25, 1978
RT Earthquake Foci
RT Earthquakes
DEF The part of the earth's surface directly above the focus of an earthquake.

EPIDEMIOLOGY [01]
DA December 1, 1974
RT A-Bomb Survivors
RT AIDS
RT Disease Incidence
RT Diseases
RT Human Populations
RT Infectious Diseases
RT Preventive Medicine

EPIDERMIS [01]
DA December 1, 1974
BT1 Epithelium
BT2 Animal Tissues
BT3 Tissues
BT4 Body
BT1 Skin
BT2 Organs
BT3 Body

EPIDOTES
DA February 20, 1975
BT1 Aluminium Silicates
BT2 Aluminium Compounds
BT2 Silicates
BT3 Oxygen Compounds
BT3 Silicon Compounds
BT1 Calcium Silicates
BT2 Calcium Compounds
BT3 Alkaline Earth Metal Compounds
BT2 Silicates
BT3 Oxygen Compounds
BT3 Silicon Compounds
BT1 Iron Silicates
BT2 Iron Compounds
BT3 Transition Element Compounds
BT2 Silicates
BT3 Oxygen Compounds
BT3 Silicon Compounds
BT1 Silicate Minerals
BT2 Minerals
DEF A mineral, $Ca_2(Al,Fe)_3(SiO_4)_3(OH)$, commonly found in metamorphic rock.

EPILATION [01]
DA December 1, 1974
BT1 Pathological Changes
RT Hair
RT Skin
RT Skin Diseases

EPILEPSY [01]
DA July 7, 1976
BT1 Nervous System Diseases
BT2 Diseases

Epinephrine
DA April 20, 1981
USE Adrenaline

Epiphysis (Bones)
DA December 1, 1974
USE Bone Tissues

Epiphysis (Pineal Gland)
DA December 1, 1974
USE Pineal Gland

EPITAXY [01]
DA December 1, 1974
NT1 Liquid Phase Epitaxy
NT1 Molecular Beam Epitaxy
NT1 Vapor Phase Epitaxy
RT Crystal Growth
RT Crystallization

EPITHELIOMAS [01]
DA December 1, 1974
BT1 Carcinomas
BT2 Neoplasms
BT3 Diseases
NT1 Melanomas
RT Epithelium

EPITHELIUM [01]
DA December 1, 1974
BT1 Animal Tissues
BT2 Tissues
BT3 Body
NT1 Epidermis
RT Carcinomas
RT Conjunctiva
RT Crypt Cells
RT Endothelium
RT Epitheliomas
RT Mucous Membranes

EPITHERMAL NEUTRONS [01]
DA December 1, 1974
BT1 Neutrons
BT2 Nucleons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
RT Epithermal Reactors

EPITHERMAL REACTORS [01]
DA December 1, 1974
BT1 Reactors
* **NT1** Fast Reactors
NT1 Intermediate Reactors
NT2 THOR Reactor
RT Epithermal Neutrons

EPOXIDES [01]
DA December 1, 1974
UF *Epoxy Compounds*
UF *Oxirans*
UF+ *Poly(Isobutylene Oxide)*
BT1 Organic Oxygen Compounds
BT2 Organic Compounds
NT1 Araldite
RT Heterocyclic Compounds
RT Resins

Epoxy Compounds
DA December 1, 1974
USE Epoxides

EPR
DA December 1, 1974
USE Electron Spin Resonance

EPR SPECTROMETERS [01]
DA December 1, 1974

BT1 Spectrometers
BT2 Measuring Instruments

EPRI [01]
DA January 10, 1977
UF *Electric Power Research Institute*
RT Electric Power
RT Electric Power Industry
DEF Founded in Palo Alto, CA in 1972 by nation's utilities to develop and carry out broad, coordinated technology program for improving electric power.

Epsilon Resonances
DA December 1, 1974
USE Mesons

Epstein-Barr Virus
DA August 19, 1975
USE Oncogenic Viruses

EQUATIONS [01]
DA December 1, 1974
NT1 ABFST Equation
NT1 Arrhenius Equation
NT1 Bethe-Goldstone Equation
NT1 Bethe-Salpeter Equation
NT1 Bloch Equations
NT1 Born-Mayer Equation
NT1 Differential Equations
NT2 BBGKY Equation
NT2 Chapman-Kolmogorov Equation
NT2 Dirac-Hestenes Equation
NT2 Hill Equation
NT2 Joos-Weinberg Equation
NT2 Kolmogorov Equation
NT2 Mathieu Equation
NT2 Neutron Diffusion Equation
NT2 Partial Differential Equations
NT3 Boltzmann Equation
NT3 Boltzmann-Vlasov Equation
NT3 Continuity Equations
NT3 Equations of Motion
NT3 Fokker-Planck Equation
NT3 Fourier Heat Equation
NT3 Grad-Shafranov Equation
NT3 Hamilton-Jacobi Equations
NT3 Korteweg-De Vries Equation
NT3 Lagrange Equations
NT3 Laplace Equation
NT3 Maxwell Equations
NT3 Navier-Stokes Equations
NT3 Poisson Equation
NT3 Proca Equations
NT3 Wave Equations
NT4 Dirac Equation
NT4 Klein-Gordon Equation
NT4 Schroedinger Equation
NT2 Riccati Equation
NT2 Schwinger Functional Equations
NT2 Sturm-Liouville Equation
NT1 Equations of State
NT1 Faddeev Equations
NT1 Field Equations
NT2 Einstein Field Equations
NT2 Einstein-Maxwell Equations
NT2 sine-Gordon Equation
NT1 Gribov-Lipatov Relation
NT1 Inhour Equation
NT1 Integral Equations
NT2 Blankenbecler-Sugar Equations
NT2 Fredholm Equation
NT2 Lippmann-Schwinger Equation
NT2 Quasipotential Equation
NT2 Volterra Integral Equations
NT1 Kinetic Equations
NT1 Langevin Equation
NT1 London Equation
NT1 Low Equation
NT1 Massey-Mohr Equation
NT1 Percus-Yevick Equation
NT1 Prediction Equations
NT1 Rankine-Hugoniot Equations
NT1 Reactor Kinetics Equations
NT2 Response Matrix Method
NT1 Richardson Equation
NT1 Rydberg Equation
NT1 Saha Equation
NT1 Secular Equation
NT1 Selengut-Goertzel Equation
NT1 Sum Rules
NT1 Virial Equation
NT1 Well Equation
NT1 Wilkins Equation
RT Functions
RT Galerkin-Petrov Method
RT Mathematics
RT Series Expansion

Equations (Differential)
DA December 1, 1974
USE Differential Equations

EQUATIONS OF MOTION [01]
DA December 1, 1974
BT1 Partial Differential Equations
BT2 Differential Equations
BT3 Equations
RT Anharmonic Oscillators
RT Canonical Transformations
RT Hamilton-Jacobi Equations
RT Hamiltonian Function
RT Harmonic Oscillators
RT Lagrangian Function
RT Mechanics
RT Navier-Stokes Equations
RT Particle Kinematics

EQUATIONS OF STATE [01]
DA December 1, 1974
BT1 Equations
RT Thermodynamics
RT Virial Equation

EQUATOR [01]
DA December 1, 1974
RT Geomagnetic Equator
RT Latitude Effect

Equatorial Electrojets
DA December 1, 1974
USE Electrojets

EQUILIBRIUM [01]
DA December 1, 1974
NT1 LTE
NT1 MHD Equilibrium
NT1 Thermal Equilibrium
RT Chemical Reactions
RT Dynamic Function Studies
RT Partition
RT Population Dynamics
RT Reaction Kinetics
RT Stability
RT Thermodynamic Activity
RT Thermodynamics

EQUILIBRIUM PLASMA [01]
DA December 1, 1974
BT1 Plasma
RT Magnetic Surfaces
RT Non-Equilibrium Plasma

EQUIPMENT [01]
(Use of a more specific term is recommended.)
DA January 20, 1975
UF *Apparatus*
UF *Devices*
NT1 Appliances
NT2 Clothes Dryers
NT2 Clothes Washers
NT2 Coal Burning Appliances
NT2 Dishwashers
NT2 Electric Appliances
NT2 Freezers
NT2 Gas Appliances
NT2 Ovens
NT3 Microwave Ovens
NT2 Space Heaters
NT2 Stoves
NT2 Water Heaters
NT3 Solar Water Heaters
NT4 Passive Solar Water Heaters
NT5 Thermic Diode Solar Panels
NT2 Wood Burning Appliances
NT3 Wood Burning Furnaces
NT1 Capacitive Energy Storage Equipment
NT1 Compactors
NT1 Compressed Air Energy Storage Equipment
* NT1 Control Equipment
NT1 Dissolvers
NT1 Distillation Equipment
NT2 Retorts
NT3 Pumpherston Retort
* NT1 Drilling Equipment
* NT1 Electrical Equipment
* NT1 Electronic Equipment
NT1 Farm Equipment
NT1 Field Production Equipment
NT2 Well Injection Equipment
NT2 Well Recovery Equipment
NT2 Wellheads
NT1 Harvesting Equipment
NT1 Heat Recovery Equipment
NT1 Hydraulic Equipment
* NT1 Laboratory Equipment
NT1 Machinery
NT2 Pulverizers
NT2 Refrigerating Machinery
NT2 Turbomachinery
NT3 Turbines
NT4 Gas Turbines
NT5 Coal-Fired Gas Turbines
NT4 Hydraulic Turbines
NT5 Pump Turbines
NT4 Radial Inflow Turbines
NT4 Radial-Outflow Reaction Turbines
NT4 Rotary Separator Turbines
NT4 Steam Turbines
NT4 Velocity-Pumps Reaction Turbines
NT4 Wind Turbines
NT5 Diffuser Augmented Turbines
NT5 Horizontal Axis Turbines
NT5 Vertical Axis Turbines
NT6 Giromill Turbines
NT6 Tornado Turbines
NT5 Vortex Augmented Turbines
NT3 Turbochargers
NT3 Turbodrills
NT3 Turbofan Engines
NT3 Turbogenerators
NT3 Turbojet Engines
NT1 Magnetic Energy Storage Equipment
* NT1 Materials Handling Equipment
NT1 Military Equipment
NT2 Ordnance
* NT1 Mining Equipment
NT1 Mullers
NT1 Odorant Dispensers
NT1 Optical Equipment
NT2 Optical Scanners
NT1 Particle Size Classifiers
* NT1 Pollution Control Equipment
NT1 Portable Equipment
NT1 Remote Viewing Equipment
NT1 Samplers
NT2 Air Samplers
NT1 Scrapers
* NT1 Solar Equipment
NT1 Thermal Energy Storage Equipment
NT1 Tunneling Machines
NT1 Well Logging Equipment
NT1 Winding Machines
NT1 X-Ray Equipment
NT2 X-Ray Sources
NT2 X-Ray Tubes
RT Human Factors Engineering
RT Office Furniture
RT Warranties

EQUIPMENT INTERFACES [01]
DA December 1, 1974
UF *Interfaces (Equipment)*
RT CAMAC System
RT Computer Architecture
RT Computers
RT Data Transmission
RT Electronic Equipment

EQUIPMENT PROTECTION DEVICES [01]
DA December 1, 1974
NT1 Circuit Breakers
NT1 Electric Fuses
RT Cryostats
RT Reactor Protection Systems
RT Relays

RT Safeguards
RT Switches

EQUIVALENCE PRINCIPLE [01]
DA December 1, 1974
RT General Relativity Theory
RT Gravitational Fields
RT Mass

EQUIVALENT CIRCUITS [01]
DA December 1, 1974
BT1 Electronic Circuits

EQUIVALENT FISSION FLUENCE [01]
DA March 8, 1978
BT1 Damaging Neutron Fluence
BT2 Neutron Fluence
RT Irradiation
RT Neutronic Damage Functions
RT Physical Radiation Effects

EQUIVALENT-PHOTON APPROXIMATION [01]
DA April 21, 1975
UF *Williams-Weizsaecker Approximation*
RT Photon-Photon Interactions
RT Quantum Electrodynamics

ERBIUM [01]
DA December 1, 1974
BT1 Rare Earths
BT2 Metals
BT3 Elements

ERBIUM 145 [01]
DA July 31, 1989
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Erbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

ERBIUM 146 [01]
DA September 5, 1984
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Erbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ERBIUM 147 [01]
DA August 25, 1983
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Erbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ERBIUM 148 [01]
DA September 8, 1981
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Erbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ERBIUM 149 [01]
DA May 8, 1984
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Erbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ERBIUM 150 [01]
DA November 1, 1976
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Erbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ERBIUM 151 [01]
DA January 24, 1975
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Erbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ERBIUM 152 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Erbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ERBIUM 153 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Erbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

ERBIUM 154 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Erbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

ERBIUM 155 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Erbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

ERBIUM 156 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Erbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

ERBIUM 157 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Erbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

ERBIUM 158 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Erbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

ERBIUM 159 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Erbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

ERBIUM 160 [01]
DA December 1, 1974
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Erbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

ERBIUM 161 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Erbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

ERBIUM 162 [01]
DA December 1, 1974
BT1 Erbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

ERBIUM 162 TARGET [01]
DA July 9, 1976
BT1 Targets

ERBIUM 163 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Erbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

ERBIUM 163 TARGET [01]
DA March 28, 1979
BT1 Targets

ERBIUM 164 [01]
DA December 1, 1974
BT1 Erbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

ERBIUM 164 TARGET [01]
DA July 9, 1976
BT1 Targets

ERBIUM 165 [01]
DA December 1, 1974
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Erbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

ERBIUM 165 TARGET [01]
DA March 28, 1979
BT1 Targets

ERBIUM 166 [01]
DA December 1, 1974
BT1 Erbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

ERBIUM 166 REACTIONS [01]
DA December 13, 1985
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

ERBIUM 166 TARGET [01]
DA July 9, 1976
BT1 Targets

ERBIUM 167 [01]
DA December 1, 1974
BT1 Erbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

ERBIUM 167 TARGET [01]
DA July 9, 1976
BT1 Targets

ERBIUM 168 [01]
DA December 1, 1974
BT1 Erbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

BT1 Stable Isotopes
BT2 Isotopes

ERBIUM 168 TARGET [01]
DA July 9, 1976
BT1 Targets

ERBIUM 169 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Erbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

ERBIUM 170 [01]
DA December 1, 1974
BT1 Erbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

ERBIUM 170 TARGET [01]
DA July 9, 1976
BT1 Targets

ERBIUM 171 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Erbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

ERBIUM 172 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Erbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

ERBIUM 173 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Erbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

ERBIUM 174 [01]
DA May 11, 1989
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Erbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

ERBIUM ADDITIONS [01]
DA December 1, 1974
BT1 Erbium Alloys
BT2 Rare Earth Alloys
BT3 Alloys
BT1 Rare Earth Additions
BT2 Rare Earth Alloys
BT3 Alloys

ERBIUM ALLOYS [01]
DA December 1, 1974
BT1 Rare Earth Alloys
BT2 Alloys
NT1 Erbium Additions
NT1 Erbium Base Alloys

ERBIUM BASE ALLOYS [01]
DA December 1, 1974
BT1 Erbium Alloys
BT2 Rare Earth Alloys
BT3 Alloys

ERBIUM BORIDES [01]
DA December 1, 1974
BT1 Borides
BT2 Boron Compounds
BT1 Erbium Compounds
BT2 Rare Earth Compounds

ERBIUM BROMIDES [01]
DA December 1, 1974
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Erbium Compounds
BT2 Rare Earth Compounds

ERBIUM CARBIDES [01]
DA December 1, 1974
BT1 Carbides
BT2 Carbon Compounds
BT1 Erbium Compounds
BT2 Rare Earth Compounds

ERBIUM CARBONATES [01]
DA December 1, 1974
BT1 Carbonates
BT2 Carbon Compounds
BT2 Oxygen Compounds
BT1 Erbium Compounds
BT2 Rare Earth Compounds

ERBIUM CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Erbium Compounds
BT2 Rare Earth Compounds

ERBIUM COMPLEXES [01]
DA December 1, 1974
BT1 Rare Earth Complexes
BT2 Complexes

ERBIUM COMPOUNDS [01]
DA December 1, 1974
BT1 Rare Earth Compounds
NT1 Erbium Borides
NT1 Erbium Bromides
NT1 Erbium Carbides
NT1 Erbium Carbonates
NT1 Erbium Chlorides
NT1 Erbium Fluorides
NT1 Erbium Hydrides
NT1 Erbium Hydroxides
NT1 Erbium Iodides
NT1 Erbium Nitrates
NT1 Erbium Nitrides
NT1 Erbium Oxides
NT1 Erbium Perchlorates
NT1 Erbium Phosphates
NT1 Erbium Phosphides
NT1 Erbium Selenides
NT1 Erbium Silicides
NT1 Erbium Sulfates
NT1 Erbium Sulfides
NT1 Erbium Tellurides
NT1 Erbium Tungstates

ERBIUM FLUORIDES [01]
DA December 1, 1974
BT1 Erbium Compounds
BT2 Rare Earth Compounds
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds

ERBIUM HYDRIDES [01]
DA December 1, 1974
BT1 Erbium Compounds
BT2 Rare Earth Compounds
BT1 Hydrides
BT2 Hydrogen Compounds

ERBIUM HYDROXIDES [01]
DA December 1, 1974
BT1 Erbium Compounds
BT2 Rare Earth Compounds
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds

ERBIUM IODIDES [01]
DA December 1, 1974
BT1 Erbium Compounds
BT2 Rare Earth Compounds
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds

ERBIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

ERBIUM ISOTOPES [01]
DA December 1, 1974
BT1 Rare Earth Isotopes
BT2 Isotopes
NT1 Erbium 145
NT1 Erbium 146
NT1 Erbium 147
NT1 Erbium 148
NT1 Erbium 149
NT1 Erbium 150
NT1 Erbium 151
NT1 Erbium 152
NT1 Erbium 153
NT1 Erbium 154
NT1 Erbium 155
NT1 Erbium 156
NT1 Erbium 157
NT1 Erbium 158
NT1 Erbium 159
NT1 Erbium 160

NT1 Erbium 161
NT1 Erbium 162
NT1 Erbium 163
NT1 Erbium 164
NT1 Erbium 165
NT1 Erbium 166
NT1 Erbium 167
NT1 Erbium 168
NT1 Erbium 169
NT1 Erbium 170
NT1 Erbium 171
NT1 Erbium 172
NT1 Erbium 173
NT1 Erbium 174

ERBIUM NITRATES [01]
DA December 1, 1974
BT1 Erbium Compounds
BT2 Rare Earth Compounds
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds

ERBIUM NITRIDES [01]
DA December 1, 1974
BT1 Erbium Compounds
BT2 Rare Earth Compounds
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides

ERBIUM OXIDES [01]
DA December 1, 1974
BT1 Erbium Compounds
BT2 Rare Earth Compounds
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds

ERBIUM PERCHLORATES [01]
DA October 28, 1975
BT1 Erbium Compounds
BT2 Rare Earth Compounds
BT1 Perchlorates
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Oxygen Compounds

ERBIUM PHOSPHATES [01]
DA March 6, 1984
BT1 Erbium Compounds
BT2 Rare Earth Compounds
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds

ERBIUM PHOSPHIDES [01]
DA August 7, 1978
BT1 Erbium Compounds
BT2 Rare Earth Compounds
BT1 Phosphides
BT2 Phosphorus Compounds
BT2 Pnictides

ERBIUM SELENIDES [01]
DA December 22, 1977
BT1 Erbium Compounds
BT2 Rare Earth Compounds
BT1 Selenides
BT2 Chalcogenides
BT2 Selenium Compounds

ERBIUM SILICIDES [01]
DA December 16, 1975
BT1 Erbium Compounds
BT2 Rare Earth Compounds
BT1 Silicides
BT2 Silicon Compounds

ERBIUM SULFATES [01]
DA December 1, 1974
BT1 Erbium Compounds
BT2 Rare Earth Compounds
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds

ERBIUM SULFIDES [01]
DA December 1, 1974
BT1 Erbium Compounds
BT2 Rare Earth Compounds
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds

ERBIUM TELLURIDES [01]
DA November 28, 1977
BT1 Erbium Compounds
BT2 Rare Earth Compounds
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds

ERBIUM TUNGSTATES [01]
DA February 16, 1988
BT1 Erbium Compounds
BT2 Rare Earth Compounds
BT1 Tungstates

EREVAN SYNCHROTRON [01]
DA December 1, 1974
UF *EKU*
UF *Yerevan Synchrotron*
BT1 Synchrotrons
BT2 Cyclic Accelerators
BT3 Accelerators

ERGOCALCIFEROL [01]
DA December 1, 1974
UF *Vitamin D-2*
BT1 Vitamin D
BT2 Vitamins

ERGODIC HYPOTHESIS [01]
DA December 1, 1974
BT1 Hypothesis
RT Phase Space
RT Probability
RT Statistical Mechanics

Ergonomics
DA June 7, 1982
USE Human Factors Engineering

ERGOSTEROL [01]
DA December 1, 1974
BT1 Sterols
BT2 Hydroxy Compounds
BT3 Organic Compounds
BT2 Steroids
BT3 Organic Compounds

ERGOTAMINE [01]
DA December 1, 1974
BT1 Alkaloids
BT2 Organic Compounds
BT1 Sympatholytics
BT2 Autonomic Nervous System Agents
BT3 Drugs
RT Indoles

Ericson Fluctuations
DA December 1, 1974
USE Ericson Theory

ERICSON THEORY [01]
DA December 1, 1974
UF *Ericson Fluctuations*
RT Random Phase Approximation

ERIE-1 REACTOR [01]
DA June 2, 1977
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

ERIE-2 REACTOR [01]
DA June 2, 1977
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

ERIOCHROME DYES [01]
DA December 1, 1974
BT1 Azo Dyes
BT2 Azo Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
BT2 Dyes
BT1 Phenols
BT2 Aromatics
BT3 Organic Compounds
BT2 Hydroxy Compounds
BT3 Organic Compounds
BT1 Sulfonic Acids
BT2 Organic Acids
BT3 Organic Compounds
BT2 Organic Sulfur Compounds
BT3 Organic Compounds

ERIOGLAUCINE [01]
DA December 1, 1974
BT1 Azo Dyes
BT2 Azo Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
BT2 Dyes
BT1 Indicators
BT1 Sulfonic Acids
BT2 Organic Acids
BT3 Organic Compounds
BT2 Organic Sulfur Compounds
BT3 Organic Compounds

ERMINE REACTOR [01]
DA December 1, 1974
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

ERNEST ORLANDO LAWRENCE AWARD
DA January 27, 1981
BT1 Awards

EROSION [01]
DA December 1, 1974
RT Ablation
RT Abrasion
RT Corrosion
RT Ground Cover
RT Soil Conservation
RT Wear

EROSION CONTROL [01]
DA September 23, 1985
BT1 Control
RT Revegetation
RT Soil Conservation

ERR REACTOR [01]
DA December 1, 1974
UF *Elk River Reactor*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Thorium Reactors
BT2 Reactors

ERRORS [01]
(For the concept of mistakes; not for DATA COVARIANCES.)
DA December 1, 1974
RT Accuracy
RT Comparative Evaluations
RT Corrections
RT Data Covariances
RT Performance
RT Quality Control
RT Reliability
RT Resolution

RT Sensitivity Analysis
RT Tolerance

ERUPTION [01]
DA August 4, 1976
RT Lava
RT Volcanism
DEF The ejection of volcanic materials (lavas, pyroclastics, and volcanic gases) onto the earth's surface.

ERUPTIVE VARIABLE STARS [01]
DA December 20, 1978
UF *Cataclysmic Variable Stars*
BT1 Variable Stars
BT2 Stars
NT1 Novae
NT1 Supernovae
NT1 T Tauri Stars
RT Accretion Disks
RT Binary Stars
RT BL Lacertae Objects
RT Star Accretion

ERYTHEMA [01]
DA December 1, 1974
BT1 Symptoms
RT Skin
RT Skin Diseases

ERYTHRITOL [01]
DA December 1, 1974
UF *Tetrahydroxybutane*
BT1 Alcohols
BT2 Hydroxy Compounds
BT3 Organic Compounds
BT1 Monosaccharides
BT2 Saccharides
BT3 Carbohydrates
BT4 Organic Compounds

Erythroblasts
DA December 1, 1974
USE Bone Marrow Cells

ERYTHROCYTES [01]
DA December 1, 1974
BT1 Blood Cells
BT2 Blood
BT3 Body Fluids
BT4 Biological Materials
BT5 Materials
NT1 Reticulocytes
RT Anemias
RT Babesidae
RT Blood Groups
RT Carboxyhemoglobin
RT Hemagglutinins
RT Hemoglobin
RT Hemolysis
RT Megaloblastic Anemia
RT Methemoglobin
RT Sickle Cell Anemia

ERYTHROMYCIN [01]
DA December 1, 1974
BT1 Antibiotics
BT2 Anti-Infective Agents
BT3 Drugs

ERYTHROPOIESIS [01]
DA December 1, 1974
BT1 Blood Formation
RT Erythropoietin
RT Hematopoietic System

ERYTHROPOIETIN [01]
DA December 1, 1974
BT1 Mitogens
BT1 Peptide Hormones
BT2 Hormones
BT2 Proteins
BT3 Organic Compounds
RT Erythropoiesis
RT Growth Factors

ERYTHROSINE [01]
DA September 11, 1975
BT1 Fluorescein
BT2 Dyes
BT2 Hydroxy Acids
BT3 Carboxylic Acids
BT4 Organic Acids
BT5 Organic Compounds
BT2 Polyphenols
BT3 Phenols
BT4 Aromatics
BT5 Organic Compounds
BT4 Hydroxy Compounds
BT5 Organic Compounds
BT1 Organic Iodine Compounds
BT2 Organic Halogen Compounds
BT3 Organic Compounds

ERZGEBIRGE DEPOSIT [01]
DA September 21, 1992
BT1 Uranium Deposits
BT2 Geologic Deposits
BT2 Mineral Resources
BT3 Resources
RT Federal Republic of Germany
RT Uranium Ores

ES COMPUTERS [01]
DA February 23, 1982
BT1 Computers

ESA [01]
(Prior to 1975 known as ESRO and documents written before the name change should be indexed to ESRO.)
DA November 25, 1980
UF *European Space Agency*
BT1 International Organizations
RT ESRO

ESADA-VESR REACTOR [01]
DA December 1, 1974
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Experimental Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors

ESARDA [01]
DA November 1, 1976
UF *European Safeguard Research Development Association*
BT1 International Organizations

ESCA
DA December 1, 1974
USE Electron Spectroscopy

ESCAPE PEAKS [01]
DA December 1, 1974
BT1 Peaks
RT Gamma Spectra

ESCAR
(Prior to July 1985, this was a valid descriptorand older material is so indexed.)
DA November 26, 1975
USE Escar Storage Ring

ESCAR STORAGE RING [01]
(Experimental SuperConducting Accelerating Ring: proton synchrotron and storage ring using superconducting magnets at LBL.)
DA January 31, 1977
UF *Berkeley Escar Storage Ring*
UF *ESCAR*
BT1 Storage Rings
BT1 Synchrotrons
BT2 Cyclic Accelerators
BT3 Accelerators

ESCHERICHIA COLI [01]
DA December 1, 1974
BT1 Bacteria
BT2 Microorganisms
RT Coliforms
RT Intestines

ESCOM-1 Reactor
DA December 16, 1975
USE Koeberg-1 Reactor

ESCOM REACTOR [01]
DA December 1, 1974
UF *Electricity Supply Company Reactor*
BT1 Power Reactors
BT2 Reactors

ESCROW ACCOUNTS
DA May 21, 1983
RT Compliance
RT Disbursements
RT Enforcement
DEF Monies or other items held by a third party.

ESERINE [01]
DA December 1, 1974
UF *Physostigmine*
BT1 Alkaloids
BT2 Organic Compounds
BT1 Parasympathomimetics
BT2 Autonomic Nervous System Agents
BT3 Drugs

ESKIMOS [01]
DA December 1, 1974
RT Arctic Regions
RT Human Populations
RT Lapps

ESOPHAGUS [01]
DA December 1, 1974
BT1 Digestive System
BT1 Organs
BT2 Body
RT Mediastinum

ESR
DA December 1, 1974
USE Electron Spin Resonance

ESR STORAGE RING [01]
DA March 9, 1992
UF *Darmstadt Storage Ring*
BT1 Storage Rings

ESRO [01]
(Name changed in 1975 to ESA and documents written after the change should be indexed to ESA.)
DA December 1, 1974
UF *European Space Research Organization*
RT ESA

Esrom Event
DA June 21, 1977
USE Anvil Project

ESSENTIAL OILS [01]
DA December 1, 1974
BT1 Oils
BT2 Other Organic Compounds
BT3 Organic Compounds
RT Buffalo Gourd
RT Plants

ESSEX I PROJECT [01]
DA August 19, 1975
BT1 Underground Explosions
BT2 Explosions

ESSOR REACTOR [01]
DA December 1, 1974
UF *Orgel Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Heavy Water Cooled Reactors
BT2 Reactors
BT1 Heavy Water Moderated Reactors
BT2 Reactors

BT1 Natural Uranium Reactors
BT2 Reactors
BT1 Organic Cooled Reactors
BT2 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

ESTERASES [01]
(Code number 3 1)
DA December 1, 1974
BT1 Hydrolases
BT2 Enzymes
BT3 Proteins
BT4 Organic Compounds
NT1 Carboxylesterases
NT2 Cholinesterase
NT2 Lipases
NT1 Phosphatases
NT2 Acid Phosphatase
NT2 Alkaline Phosphatase
NT2 Nucleotidases
NT1 Phosphodiesterases
NT2 DNA-ase
NT3 Endonucleases
NT2 Nucleases
NT2 RNA-ase
RT Esters

ESTERIFICATION [01]
DA December 1, 1974
BT1 Chemical Reactions
RT Esters

ESTERS [01]
(Includes esters of organic and inorganic acids)
DA December 1, 1974
BT1 Organic Compounds
NT1 Acetylcholine
NT1 Carbonic Acid Esters
• NT1 Carboxylic Acid Esters
NT1 Cellulose Esters
NT2 Nitrocellulose
NT1 Cystaphos
NT1 Isocyanic Acid Esters
NT1 Lactones
NT2 Coumarin
NT2 Gibberellic Acid
NT1 Lanolin
NT1 Nitric Acid Esters
NT2 Nitrocellulose
NT2 Nitroglycerin
NT2 Peroxyacetyl Nitrate
NT2 PETN
NT1 Nitrous Acid Esters
NT1 Phorbol Esters
NT1 Phosphinic Acid Esters
NT1 Phospholipids
NT2 Cardiolipin
NT2 Cephalins
NT2 Lecithins
NT2 Sphingomyelins
NT1 Phosphonic Acid Esters
NT2 DAMPA
NT2 DHDECMP
• NT1 Phosphoric Acid Esters
NT1 Phthalic Acid Esters
NT1 Polyacrylates
NT2 Lucite
NT2 Perspex
NT2 Plexiglas
NT2 PMMA
NT1 Polyesters
NT2 Dacron
NT2 Homalite
NT2 Laminac
NT2 Mylar
NT1 Sulfonic Acid Esters
NT2 ABS
NT2 EMS
NT2 Methyl Methanesulfonate
NT2 Petroleum Sulfonates
NT1 Sulfuric Acid Esters
NT1 Thiophosphoric Acid Esters
NT2 Gammaphos
NT2 Parathion
NT1 Triglycerides
NT2 Butter Fat
NT2 Corn Oil
NT2 Croton Oil
NT2 Linseed Oil
NT2 Olive Oil
NT2 Peanut Oil
NT2 Soybean Oil
NT2 Triolein
RT Carboxylic Acid Salts
RT Claisen Condensation
RT Esterases
RT Esterification
RT Hydrolysis
RT Lipids

Esthetics
DA March 3, 1978
USE Aesthetics

• **ESTONIA [01]**
DA March 18, 1993
BT1 Eastern Europe
BT2 Europe

ESTRADIOL [01]
DA December 1, 1974
BT1 Estranes
BT2 Steroids
BT3 Organic Compounds
BT1 Estrogens
BT2 Steroid Hormones
BT3 Hormones
BT1 Hydroxy Compounds
BT2 Organic Compounds

ESTRANES [01]
DA December 1, 1974
BT1 Steroids
BT2 Organic Compounds
NT1 Estradiol
NT1 Estriol
NT1 Estrone
RT Estrogens

ESTRIOL [01]
DA December 1, 1974
BT1 Estranes
BT2 Steroids
BT3 Organic Compounds
BT1 Estrogens
BT2 Steroid Hormones
BT3 Hormones
BT1 Hydroxy Compounds
BT2 Organic Compounds

ESTROGENS [01]
DA December 1, 1974
BT1 Steroid Hormones
BT2 Hormones
NT1 Estradiol
NT1 Estriol
NT1 Estrone
RT Castration
RT Estranes
RT Estrous Cycle
RT FSH
RT Ovaries
RT Stilbestrol
RT Tamoxifen

ESTRONE [01]
DA December 1, 1974
BT1 Estranes
BT2 Steroids
BT3 Organic Compounds
BT1 Estrogens
BT2 Steroid Hormones
BT3 Hormones
BT1 Hydroxy Compounds
BT2 Organic Compounds
BT1 Ketones
BT2 Organic Compounds

ESTROUS CYCLE [01]
DA December 1, 1974
RT Estrogens
RT Female Genitals
RT LH
RT Menopause
RT Menstrual Cycle
RT Menstruation Disorders
RT Ovulation
RT Rhythmicity

ESTUARIES [01]
DA December 1, 1974
BT1 Surface Waters
NT1 Fiords
NT1 Long Island Sound
RT Coastal Waters
RT Eutrophication
RT Fresh Water
RT Offshore Nuclear Power Plants
RT Offshore Sites
RT Rivers
RT Salinity
RT Seas
RT Seawater

Estuarine Ecosystems
DA December 1, 1974
USE Aquatic Ecosystems

Estuary Event
DA June 21, 1977
USE Anvil Project

Eta 549
DA December 1, 1974
USE Eta Mesons

Eta 700 Resonances
(Prior to March 1988 this was a valid descriptor)
DA December 1, 1974
USE Mesons

Eta 958 Resonances
(Prior to January 1988 this was a valid descriptor)
DA December 1, 1974
USE Eta Prime 958 Mesons

Eta 1060 Resonances
(Prior to January 1988 this was a valid descriptor)
DA December 1, 1974
USE Eta 1275 Mesons

ETA-1275 MESONS [01]
(Prior to January 1988 this concept was indexed by ETA 1060 1060 RESONANCES)
DA January 29, 1988
UF *Eta 1060 Resonances*
BT1 Pseudoscalar Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

ETA-1440 MESONS [01]
(Prior to January 1988 this concept was indexed by IOTA 1440 RESONANCES)
DA January 29, 1988
UF *Iota 1440 Resonances*
BT1 Pseudoscalar Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

Eta 2980 Resonances
(Prior to February 1988 this was a valid descriptor)
DA December 28, 1984
USE Eta C 2980 Mesons

ETA C-2980 MESONS [01]
(Prior to February 1988 this concept was indexed by ETA 2980 RESONANCES)
DA February 1, 1988
UF *Eta 2980 Resonances*
UF *Eta C Resonances*
BT1 Charmonium
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles
BT2 Quarkonium
BT1 Pseudoscalar Mesons
BT2 Mesons
BT3 Bosons

BT3 Hadrons
BT4 Elementary Particles

ETA C-3980 MESONS [01]
DA February 1 1980
BT1 Charmonium
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles
BT2 Quarkonium
BT1 Pseudoscalar Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

Eta C Resonances
DA December 29 1984
USE Eta C 2980 Mesons

ETA MESON BEAMS [01]
DA December 1 1974
BT1 Meson Beams
BT2 Particle Beams
BT3 Beams

ETA MESONS [01]
DA December 1 1974
UF *Eta 549*
BT1 Pseudoscalar Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

ETA PRIME-958 MESONS [01]
(Prior to January 1988 this concept was indexed by Eta 958 Resonances.)
DA January 25 1988
UF *Eta 958 Resonances*
UF *X Zero Resonances*
BT1 Pseudoscalar Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

ETCHING [01]
DA December 1 1974
BT1 Surface Finishing
RT Ceramography
RT Dielectric Track Detectors
RT Masking
RT Metallography
RT Particle Tracks

ETDE [01]
DA February 25 1981
UF *Energy Technology Data Exchange*
BT1 Information Systems
RT International Energy Agency

ETF (Tokamak)
DA December 17 1979
USE ETF Tokamak

ETF TOKAMAK [01]
DA August 4 1981
UF *Engineering Test Facility (Tokamak)*
UF *ETF (Tokamak)*
UF *Tokamak ETF*
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

Ethanal
DA December 1 1974
USE Acetaldehyde

ETHANE [01]
DA December 1 1974
BT1 Alkanes
BT2 Hydrocarbons
BT3 Organic Compounds
RT DDT

1,2 Ethanediol
DA December 1 1974
USE Glycol

1,2 Ethanediol
DA December 1 1974
USE Glycols

1,2 Ethanedithiol
DA December 1 1974
USE Dithiols

ETHANOL [01]
DA December 1 1974
UF *Cologne Spirits*
UF *Ethyl Alcohol*
UF *Fermentation Alcohol*
UF *Grain Alcohol*
BT1 Alcohols
BT2 Hydroxy Compounds
BT3 Organic Compounds
RT Ethanol Fuels
RT Gasohol Program

ETHANOL FUELS [01]
(Use for pure ethanol, ethanol-water mixtures, or ethanol with additives; for ethanol-gasoline mixtures, use GASOHOL.)
DA September 8 1979
BT1 Alcohol Fuels
BT2 Synthetic Fuels
BT3 Fuels
RT Automotive Fuels
RT Diesel Fuels
RT Ethanol
RT Gasohol

ETHANOL PLANTS [01]
DA May 18 1981
BT1 Industrial Plants
RT Biomass Conversion Plants
RT Chemical Plants

Ether
DA December 1 1974
USE Ethyl Ether

ETHERS [01]
DA December 1 1974
UF *Ethereal*
UF *Oxolane*
BT1 Organic Oxygen Compounds
BT2 Organic Compounds
NT1 Acetals
NT2 Acetal
NT1 Anisole
NT1 Butyl Alcohol
NT1 Butyl Ether
NT1 Carbitols
NT1 Cellosolves
NT1 Crown Ethers
NT1 Cumarin
NT1 DME
NT1 Ethyl Ether
NT1 Isoglycamic Acid
NT1 Isopropyl Ether
NT1 Methyl Ether
NT1 Methylal
NT1 Mexamine
NT1 Morpholines
NT1 Phenyl Ether
RT Polyethylene Glycols
RT Tetrahydrogyran
RT Thyroxine
RT Thyroxine

ETHICAL ASPECTS [01]
DA February 23 1982
UF Ethics

Ethics
(Prior to July 1986 this was a valid descriptor and older material is so indexed.)
DA March 3 1978
USE Ethical Aspects

Ethine
DA December 1 1974
USE Acetylene

ETHIONINE [01]
DA December 1 1974
UF *Ethylmercaptoaminobutyric Acid*
UF *Ethylthioaminobutyric Acid*
BT1 Amino Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT1 Antimetabolites
BT2 Drugs
BT1 Organic Sulfur Compounds
BT2 Organic Compounds

ETHIOPIA [01]
DA December 1 1974
BT1 Africa
BT1 Developing Countries
RT Red Sea

Ethnic Groups
DA October 23 1979
USE Minority Groups

Ethoxal
DA December 1 1974
USE Cellulose
AND Ethers

ETHOXY RADICALS [01]
DA December 1 1974
BT1 Alkoxy Radicals
BT2 Radicals

Ethyl Alcohol
DA December 1 1974
USE Ethanol

ETHYL ETHER [01]
DA December 1 1974
UF *Diethyl Ether*
UF *Ether*
BT1 Ethers
BT2 Organic Oxygen Compounds
BT3 Organic Compounds
RT Anesthetics
RT Organic Solvents

Ethyl Methanesulfonate
DA December 1 1974
USE EMS

ETHYL RADICALS [01]
DA December 1 1974
BT1 Alkyl Radicals
BT2 Radicals

Ethylaldehyde
DA December 1 1974
USE Acetaldehyde

ETHYLENE [01]
DA December 1 1974
BT1 Alkenes
BT2 Hydrocarbons
BT3 Organic Compounds

Ethylene Glycol
DA December 1 1974
USE Glycols

Ethylene Polymers
DA December 1 1974
USE Polyethylenes

ETHYLENE PROPYLENE DIENE POLYMERS
DA May 6 1980
UF *EPDM*
BT1 Polymers
RT Rubbers

Ethylenecarboxylic Acid
DA December 1 1974
USE Acrylic Acid

Ethylenediaminetetraacetic Acid
DA December 1 1974
USE EDTA

Ethylmercaptoaminobutyric Acid
DA December 1 1974
USE Ethionine

Ethylthioaminobutyric Acid
DA December 1 1974
USE Ethionine

Ethyne
DA December 1 1974
USE Acetylene

ETHYRONE
DA May 5 1975
UF *Ethynoethyl Phosphinate*
BT1 Organic Sulfur Compounds
BT2 Organic Compounds
BT1 Radioprotective Substances
BT2 Drugs

Ethynoethyl Phosphinate
DA May 13 1975
USE Ethyrone

ETIOLOGY [01]
(In life sciences only.)
DA December 1 1974
RT Diseases
RT Infectious Diseases

ETIOPORPHYRINS
DA January 28 1975
BT1 Porphyrins
BT2 Heterocyclic Acids
BT3 Carboxylic Acids
BT4 Organic Acids
BT5 Organic Compounds
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds

ETR REACTOR [01]
(EQuipE) Idaho Inc. Idaho Falls Idaho)
DA December 1 1974
UF *Engineering Test Reactor*
UF *NRTS ETR Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors

ETRC REACTOR [01]
DA December 1 1974
UF *Engineering Test Reactor Critical Facility*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

ETRR-1 REACTOR [01]
(Egypt Thermal Research Reactor, Cairo Egypt.)
DA September 10 1990
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors

ETTINGHAUSEN EFFECT [01]
DA December 1 1974
RT Hall Effect

EUCALYPTUSES [01]
DA March 3 1978
BT1 Magnoliopsida
BT2 Magnoliophyta
BT3 Plants
BT1 Trees
BT2 Plants

Euclidean Quantum Field Theory
DA March 8 1978
USE Constructive Field Theory

EUCLIDEAN SPACE [01]
DA December 1 1974
BT1 Riemann Space
BT2 Mathematical Space
BT3 Space

EUDIALYTE [01]
DA October 1 1978
BT1 Silicate Minerals
BT2 Minerals
RT Calcium Silicates
RT Iron Silicates
RT Zirconium Silicates

Euflavine
DA December 1 1974
USE Acriflavine

EUGLENA [01]
DA December 1 1974
BT1 Euglenophyceae
BT2 Plants
BT1 Mastigophora
BT2 Protozoa
BT3 Invertebrates
BT4 Animals
BT3 Microorganisms
BT1 Unicellular Algae
BT2 Algae
BT3 Plants
BT2 Microorganisms

EUGLENOPHYCOTA [01]
DA December 20 1988
BT1 Plants
NT1 Euglena

EUMYCOTA [01]
DA December 20 1988
BT1 Fungi
BT2 Plants
NT1 Aspergillus
NT1 Claviceps
NT1 Fusarium
NT1 Lichens
NT1 Mildew
NT1 Neurospora
NT1 Pellicularia
NT1 Penicillium
NT1 Phanerochaete
NT1 Phycomyces
NT1 Rhizopus
NT1 Thielavia
NT1 Trichoderma
NT2 Trichoderma Viride
NT1 Ustilago
NT1 Yeasts
NT2 Candida
NT2 Saccharomyces
NT3 Saccharomyces Cerevisiae
NT2 Torula

EUPHORBIA [01]
DA July 24 1979
BT1 Magnoliopsida
BT2 Magnoliophyta
BT3 Plants
NT1 Castor
NT1 Chinese Tallow Tree
NT1 Hevea
NT1 Milkweed
NT1 Rubber Trees
NT2 Guayule
DEF Latex bearing plants and possible source of hydrocarbons

EURATOM [01]
DA December 1 1974
UF *European Atomic Energy Community*
BT1 European Communities
BT2 International Organizations
RT Europe

EURELIOS SOLAR POWER PLANT
DA February 21 1986
BT1 Tower Focus Power Plants
BT2 Solar Thermal Power Plants
BT3 Solar Power Plants
BT4 Power Plants
BT3 Thermal Power Plants
BT4 Power Plants
RT Pilot Plants

EUREX PROCESS [01]
DA December 1 1974
BT1 Reprocessing
BT2 Separation Processes
RT Amines
RT Solvent Extraction

EUROCHEMIC [01]
DA December 1 1974
RT Reprocessing

Eurocurrency
DA September 28 1979
USE Euromarket

EURODIF [01]
(International association founded in March 1972 to promote the construction of a European gaseous diffusion plant.)
DA December 18 1975
BT1 International Organizations
RT Gaseous Diffusion Plants

Eurodollars
DA September 28 1979
USE Euromarket

EUROMARKET
DA October 3 1979
UF *Eurocurrency*
UF *Eurodollars*
RT Capital
RT International Cooperation
RT Investment
DEF Money on deposit and available for lending at financial institutions outside the country of the money's origin beyond the control of any nation. It is mostly in hands of world's largest banks and free from reserve requirements and other national regulations

EUROPE [01]
DA December 1 1974
NT1 Eastern Europe
NT2 Albania
NT2 Armenia
NT2 Azerbaijan
NT2 Belarus
NT2 Bulgaria
NT2 Croatia
NT2 Czech Republic
NT2 Czechoslovakia
NT2 Estonia
NT2 Hungary
NT2 Latvia
NT2 Lithuania
NT2 Moldova
NT2 Poland
NT2 Republic of Georgia
NT2 Romania
NT2 Russian Federation
NT3 Kamchatka
NT3 Siberia
NT2 Slovak Republic

NT2 Slovenia
NT2 Ukraine
NT2 Yugoslavia
NT1 Greece
NT1 Malta
NT1 USSR
NT2 Caucasus
NT2 Crimea
NT2 Dubna
NT2 Kurile Islands
NT2 Lovozero
NT1 Western Europe
NT2 Austria
NT2 Belgium
NT2 Federal Republic of Germany
NT2 France
NT2 Iceland
NT2 Ireland
NT2 Italy
NT3 Appennines
NT3 Sicily
NT2 Luxembourg
NT2 Monaco
NT2 Netherlands
NT2 Portugal
NT3 Azores Islands
NT2 Scandinavia
NT3 Denmark
NT3 Finland
NT3 Norway
NT3 Sweden
NT2 Spain
NT3 Canary Islands
NT2 Switzerland
NT2 United Kingdom
NT3 Bermuda
NT3 Gibraltar
RT EURATOM
RT European Communities

European Atomic Energy Community
DA December 1, 1974
USE EURATOM

European Coal and Steel Community
DA December 1, 1974
USE ECSC

EUROPEAN COMMUNITIES [01]
DA December 1, 1974
BT1 International Organizations
NT1 Common Market
NT1 ECSC
NT1 EURATOM
RT Europe

European Economic Community
DA December 1, 1974
USE Common Market

European Muon Collaboration Effect
DA June 26, 1986
USE EMC Effect

European Nuclear Energy Agency
DA December 1, 1974
USE ENEA

European Organization for Nuclear Research
DA December 1, 1974
USE CERN

European Safeguard Research Development Association
DA November 2, 1976
USE ESARDA

European Space Agency
DA May 7, 1982
USE ESA

European Space Research Organization
DA December 1, 1974
USE ESRO

EUROPIUM [01]
DA December 1, 1974
BT1 Rare Earths
BT2 Metals
BT3 Elements

EUROPIUM 134 [01]
DA November 21, 1989
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Europium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

EUROPIUM 135 [01]
DA November 21, 1989
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Europium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

EUROPIUM 136 [01]
DA December 11, 1985
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Europium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

EUROPIUM 137 [01]
DA August 20, 1984
BT1 Europium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

EUROPIUM 138 [01]
DA October 20, 1977
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Europium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

EUROPIUM 139 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Europium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

EUROPIUM 140 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Europium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

EUROPIUM 141 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Europium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

EUROPIUM 142 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Europium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

EUROPIUM 143 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes

BT4 Isotopes
BT1 Europium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

EUROPIUM 144 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Europium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

EUROPIUM 145 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Europium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

EUROPIUM 146 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Europium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

EUROPIUM 147 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Europium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

EUROPIUM 148 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Europium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

EUROPIUM 149 [01]
DA December 1, 1974
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Europium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

EUROPIUM 150 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Europium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

EUROPIUM 151 [01]
DA December 1, 1974
BT1 Europium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

EUROPIUM 151 TARGET [01]
DA July 9, 1976
BT1 Targets

EUROPIUM 152 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Europium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

EUROPIUM 152 TARGET [01]
DA December 22, 1977
BT1 Targets

EUROPIUM 153 [01]
DA December 1, 1974
BT1 Europium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

EUROPIUM 153 TARGET [01]
DA July 9, 1976
BT1 Targets

EUROPIUM 154 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Europium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

EUROPIUM 154 TARGET [01]
DA March 8, 1978
BT1 Targets

EUROPIUM 155 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Europium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

EUROPIUM 155 TARGET [01]
DA January 24, 1980
BT1 Targets

EUROPIUM 156 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Europium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

EUROPIUM 157 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Europium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

EUROPIUM 158 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Europium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

EUROPIUM 159 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Europium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

EUROPIUM 160 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Europium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

EUROPIUM 161 [01]
DA November 20, 1986
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Europium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

EUROPIUM 162 [01]
DA October 2, 1987
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Europium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

EUROPIUM ADDITIONS [01]
DA December 1, 1974
BT1 Europium Alloys
BT2 Rare Earth Alloys
BT3 Alloys
BT1 Rare Earth Additions
BT2 Rare Earth Alloys
BT3 Alloys

EUROPIUM ALLOYS [01]
DA December 1, 1974
BT1 Rare Earth Alloys
BT2 Alloys
NT1 Europium Additions
NT1 Europium Base Alloys

EUROPIUM ARSENIDES [01]
DA August 24, 1976
BT1 Arsenides
BT2 Arsenic Compounds
BT2 Pnictides
BT1 Europium Compounds
BT2 Rare Earth Compounds

EUROPIUM BASE ALLOYS [01]
DA December 1, 1974
BT1 Europium Alloys
BT2 Rare Earth Alloys
BT3 Alloys

EUROPIUM BORIDES [01]
DA December 1, 1974
BT1 Borides
BT2 Boron Compounds
BT1 Europium Compounds
BT2 Rare Earth Compounds

EUROPIUM BROMIDES [01]
DA December 1, 1974
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Europium Compounds
BT2 Rare Earth Compounds

EUROPIUM CARBIDES [01]
DA December 1, 1974
BT1 Carbides
BT2 Carbon Compounds
BT1 Europium Compounds
BT2 Rare Earth Compounds

EUROPIUM CARBONATES [01]
DA December 1, 1974
BT1 Carbonates
BT2 Carbon Compounds
BT2 Oxygen Compounds
BT1 Europium Compounds
BT2 Rare Earth Compounds

EUROPIUM CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Europium Compounds
BT2 Rare Earth Compounds

EUROPIUM COMPLEXES [01]
DA December 1, 1974
BT1 Rare Earth Complexes
BT2 Complexes

EUROPIUM COMPOUNDS [01]
DA December 1, 1974
BT1 Rare Earth Compounds
NT1 Europium Arsenides
NT1 Europium Borides
NT1 Europium Bromides
NT1 Europium Carbides
NT1 Europium Carbonates
NT1 Europium Chlorides
NT1 Europium Fluorides
NT1 Europium Hydrides
NT1 Europium Hydroxides
NT1 Europium Iodides
NT1 Europium Nitrates
NT1 Europium Nitrides
NT1 Europium Oxides
NT1 Europium Perchlorates
NT1 Europium Phosphates
NT1 Europium Phosphides
NT1 Europium Selenides
NT1 Europium Silicates
NT1 Europium Silicides
NT1 Europium Sulfates
NT1 Europium Sulfides
NT1 Europium Tellurides

EUROPIUM FLUORIDES [01]
DA December 1, 1974
BT1 Europium Compounds
BT2 Rare Earth Compounds
BT1 Fluorides

RT Planning
RT US National Environmental Policy Act
RT US Superfund

Environmental Protection Agency
DA December 1, 1974
USE US EPA

ENVIRONMENTAL QUALITY [01]
DA September 6, 1979
NT1 Air Quality
NT1 Water Quality
RT Environmental Impacts
RT Environmental Policy
RT Quality of Life

ENZYME INHIBITORS [01]
DA March 11, 1976
UF *Inhibitors (Enzyme)*
RT Enzymes
RT Inhibition
DEF Substances capable of stopping or retarding the action of an enzyme. They usually interact with the enzyme to reduce the rate of reaction.

ENZYME REACTIVATION [01]
DA November 1, 1976
RT Chemical Activation
RT Enzymes
RT Biochemical Reaction Kinetics
RT Biochemistry
RT Biosynthesis
RT Catalysis
RT Coenzymes
RT Enzymatic Hydrolysis
RT Enzyme Activity
RT Enzyme Immunoassay
RT Enzyme Induction
RT Enzyme Inhibitors
RT Enzyme Reactivation
RT Glycolysis
RT Immobilized Enzymes
RT Isoenzymes
RT Metabolism
RT Radioenzymatic Assay

BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds

EUROPIUM HYDRIDES [01]
DA December 1, 1974
BT1 Europium Compounds
BT2 Rare Earth Compounds
BT1 Hydrides
BT2 Hydrogen Compounds

EUROPIUM HYDROXIDES [01]
DA December 1, 1974
BT1 Europium Compounds
BT2 Rare Earth Compounds
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds

EUROPIUM IODIDES [01]
DA April 8, 1975
BT1 Europium Compounds
BT2 Rare Earth Compounds
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds

EUROPIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

EUROPIUM ISOTOPES [01]
DA December 1, 1974
BT1 Rare Earth Isotopes
BT2 Isotopes
NT1 Europium 134
NT1 Europium 135
NT1 Europium 136
NT1 Europium 137
NT1 Europium 138
NT1 Europium 139
NT1 Europium 140
NT1 Europium 141
NT1 Europium 142
NT1 Europium 143
NT1 Europium 144
NT1 Europium 145
NT1 Europium 146
NT1 Europium 147
NT1 Europium 148
NT1 Europium 149
NT1 Europium 150
NT1 Europium 151
NT1 Europium 152
NT1 Europium 153
NT1 Europium 154
NT1 Europium 155
NT1 Europium 156
NT1 Europium 157
NT1 Europium 158
NT1 Europium 159
NT1 Europium 160
NT1 Europium 161
NT1 Europium 162

EUROPIUM NITRATES [01]
DA December 1, 1974
BT1 Europium Compounds
BT2 Rare Earth Compounds
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds

EUROPIUM NITRIDES [01]
DA December 1, 1974
BT1 Europium Compounds
BT2 Rare Earth Compounds
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides

EUROPIUM OXIDES [01]
DA December 1, 1974
BT1 Europium Compounds
BT2 Rare Earth Compounds
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds

EUROPIUM PERCHLORATES [01]
DA October 28, 1975
BT1 Europium Compounds
BT2 Rare Earth Compounds
BT1 Perchlorates
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Oxygen Compounds

EUROPIUM PHOSPHATES [01]
DA December 16, 1975
BT1 Europium Compounds
BT2 Rare Earth Compounds
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds

EUROPIUM PHOSPHIDES [01]
DA November 28, 1977
BT1 Europium Compounds
BT2 Rare Earth Compounds
BT1 Phosphides
BT2 Phosphorus Compounds
BT2 Pnictides

EUROPIUM SELENIDES [01]
DA September 11, 1975
BT1 Europium Compounds
BT2 Rare Earth Compounds
BT1 Selenides
BT2 Chalcogenides
BT2 Selenium Compounds

EUROPIUM SILICATES [01]
DA December 1, 1974
BT1 Europium Compounds
BT2 Rare Earth Compounds
BT1 Silicates
BT2 Oxygen Compounds
BT2 Silicon Compounds

EUROPIUM SILICIDES [01]
DA December 16, 1975
BT1 Europium Compounds
BT2 Rare Earth Compounds
BT1 Silicides
BT2 Silicon Compounds

EUROPIUM SULFATES [01]
DA December 1, 1974
BT1 Europium Compounds
BT2 Rare Earth Compounds
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds

EUROPIUM SULFIDES [01]
DA December 1, 1974
BT1 Europium Compounds
BT2 Rare Earth Compounds
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds

EUROPIUM TELLURIDES [01]
DA September 11, 1975
BT1 Europium Compounds
BT2 Rare Earth Compounds
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds

EUTECTICS [01]
DA December 1, 1974
RT Monotectics
RT Phase Change Materials
RT Phase Diagrams
RT Phase Transformations

EUTECTOIDS [01]
DA December 1, 1974
RT Monotectoids
RT Phase Diagrams
RT Phase Transformations

→**EUTERPE STORAGE RING [01]**
(Eindhoven University of Technology ring for protons and electrons.)
DA November 4, 1992
BT1 Storage Rings

EUTROPHICATION [01]
DA August 24, 1976
RT Algae
RT Aquatic Ecosystems
RT Estuaries
RT Fertilizers
RT Lakes
RT Limnology
RT Nutrients
RT Water Pollution

EUXENITE
DA January 20, 1975
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials

EV RANGE [01]
DA December 1, 1974
BT1 Energy Range
NT1 EV Range 01-10
NT1 EV Range 10-100
NT1 EV Range 100-1000
NT1 Milli EV Range

EV RANGE 01-10 [01]
DA December 1, 1974
BT1 EV Range
BT2 Energy Range

EV RANGE 10-100 [01]
DA December 1, 1974
BT1 EV Range
BT2 Energy Range

EV RANGE 100-1000 [01]
DA December 1, 1974
BT1 EV Range
BT2 Energy Range

EVACUATED COLLECTORS
DA March 8, 1978
BT1 Solar Collectors
BT2 Solar Equipment
BT3 Equipment
NT1 Evacuated Tube Collectors

EVACUATED TUBE COLLECTORS
DA March 8, 1978
BT1 Evacuated Collectors
BT2 Solar Collectors
BT3 Solar Equipment
BT4 Equipment

EVACUATION [01]
DA March 23, 1983
RT Accidents
RT Civil Defense
RT Emergency Plans
RT External Zones
RT Mine Rescue
RT Population Relocation
RT Routing
DEF An organized withdrawal or removal of people from a place or area as a protective measure.

EVALUATED DATA [01]
(Use only in conjunction with literary indicator labels for data flagging; refers to data gathered from other sources and may consist of a compilation of data which, however, have been evaluated and some judgement as to the accuracy or value is expressed or implied.)
DA February 27, 1979
SF *ENDF*
SF *Evaluated Nuclear Data File*
BT1 Numerical Data
BT2 Data
BT3 Information
RT Nuclear Data Collections

Evaluated Nuclear Data File
DA March 23, 1983
SEE Evaluated Data
OR Nuclear Data Collections

EVALUATION [01]
DA June 7, 1976
NT1 Comparative Evaluations
RT Audits
RT Forecasting
RT Testing
RT Validation
DEF Subjection to critical judgement or interpretation.

EVANS BLUE [01]
DA December 1, 1974
BT1 Azo Dyes
BT2 Azo Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
BT2 Dyes
BT1 Reagents
BT1 Sulfonic Acids
BT2 Organic Acids
BT3 Organic Compounds
BT2 Organic Sulfur Compounds
BT3 Organic Compounds

EVAPORATION [01]
DA December 1, 1974
UF *Vaporization*
UF *Volatilization*
BT1 Phase Transformations
NT1 Flashing
NT1 Sublimation
NT1 Vacuum Evaporation
RT Blowoff
RT Boiling
RT Dehydration
RT Distillation
RT Drying
RT Evaporative Cooling
RT Evaporators
RT Flash Heating
RT Interception
RT Spray Drying
RT Throughfall
RT Transpiration
RT Vaporization Heat
RT Vapors
RT Waste Processing

EVAPORATION MODEL [01]
DA December 1, 1974
UF *Nuclear Evaporation*
BT1 Nuclear Models
BT2 Mathematical Models
NT1 Weisskopf Model
RT Compound-Nucleus Reactions
RT Nuclear Fireball Model
RT Nuclear Temperature
RT Precompound-Nucleus Emission

EVAPORATIVE COOLING [01]
DA October 1, 1975
BT1 Cooling
RT Cold Storage
RT Cooling Systems
RT Cooling Towers
RT Evaporation

EVAPORATORS [01]
DA December 1, 1974
NT1 Solar Stills
RT Counterflow Systems
RT Crossflow Systems
RT Desalination
RT Distillation
RT Evaporation
RT Heat Exchangers
RT Vapor Condensers

EVAPORITES
DA July 6, 1981
BT1 Sedimentary Rocks
BT2 Rocks
RT Halite
RT Salt Deposits

EVEN-EVEN NUCLEI [01]
(Even protons, even neutrons.)
DA December 1, 1974
BT1 Nuclei
NT1 Argon 32
NT1 Argon 34
NT1 Argon 36
NT1 Argon 38
NT1 Argon 40
NT1 Argon 42
NT1 Argon 44
NT1 Argon 46
NT1 Argon 50
NT1 Barium 120
NT1 Barium 122
NT1 Barium 124
NT1 Barium 126
NT1 Barium 128
NT1 Barium 130
NT1 Barium 132
NT1 Barium 134
NT1 Barium 136
NT1 Barium 138
NT1 Barium 140
NT1 Barium 142
NT1 Barium 144
NT1 Barium 146
NT1 Barium 148
NT1 Beryllium 6
NT1 Beryllium 8
NT1 Beryllium 10
NT1 Beryllium 12
NT1 Beryllium 14
NT1 Cadmium 96
NT1 Cadmium 98
NT1 Cadmium 100
NT1 Cadmium 102
NT1 Cadmium 104
NT1 Cadmium 106
NT1 Cadmium 108
NT1 Cadmium 110
NT1 Cadmium 112
NT1 Cadmium 114
NT1 Cadmium 116
NT1 Cadmium 118
NT1 Cadmium 120
NT1 Cadmium 122
NT1 Cadmium 124
NT1 Cadmium 126
NT1 Cadmium 128
NT1 Cadmium 130
NT1 Calcium 36
NT1 Calcium 38
NT1 Calcium 40
NT1 Calcium 42
NT1 Calcium 44
NT1 Calcium 46
NT1 Calcium 48
NT1 Calcium 50
NT1 Calcium 52
NT1 Californium 238
NT1 Californium 240
NT1 Californium 242
NT1 Californium 244
NT1 Californium 246
NT1 Californium 248
NT1 Californium 250
NT1 Californium 252
NT1 Californium 254
NT1 Californium 256
NT1 Carbon 8
NT1 Carbon 10
NT1 Carbon 12
NT1 Carbon 14
NT1 Carbon 16
NT1 Carbon 18
NT1 Carbon 20
NT1 Carbon 22
NT1 Cerium 124
NT1 Cerium 126
NT1 Cerium 128
NT1 Cerium 130
NT1 Cerium 132
NT1 Cerium 134
NT1 Cerium 136
NT1 Cerium 138
NT1 Cerium 140
NT1 Cerium 142
NT1 Cerium 144
NT1 Cerium 146
NT1 Cerium 148
NT1 Cerium 150
NT1 Cerium 152
NT1 Chromium 42
NT1 Chromium 44
NT1 Chromium 46
NT1 Chromium 48
NT1 Chromium 50
NT1 Chromium 52
NT1 Chromium 54
NT1 Chromium 56
NT1 Chromium 58
NT1 Chromium 60
NT1 Chromium 62
NT1 Curium 232
NT1 Curium 236
NT1 Curium 238
NT1 Curium 240
NT1 Curium 242
NT1 Curium 244
NT1 Curium 246
NT1 Curium 248
NT1 Curium 250
NT1 Curium 252
NT1 Dysprosium 142
NT1 Dysprosium 144
NT1 Dysprosium 146
NT1 Dysprosium 148
NT1 Dysprosium 150
NT1 Dysprosium 152
NT1 Dysprosium 154
NT1 Dysprosium 156
NT1 Dysprosium 158
NT1 Dysprosium 160
NT1 Dysprosium 162
NT1 Dysprosium 164
NT1 Dysprosium 166
NT1 Dysprosium 168
NT1 Element 104 254
NT1 Element 104 256
NT1 Element 104 258
NT1 Element 104 260
NT1 Element 104 262
NT1 Element 106 260
NT1 Element 108 264
NT1 Element 108 265
NT1 Erbium 146
NT1 Erbium 148
NT1 Erbium 150
NT1 Erbium 152
NT1 Erbium 154
NT1 Erbium 156
NT1 Erbium 158
NT1 Erbium 160
NT1 Erbium 162
NT1 Erbium 164
NT1 Erbium 166
NT1 Erbium 168
NT1 Erbium 170
NT1 Erbium 172
NT1 Erbium 174
NT1 Fermium 242
NT1 Fermium 244
NT1 Fermium 246
NT1 Fermium 248
NT1 Fermium 250
NT1 Fermium 252
NT1 Fermium 254
NT1 Fermium 256
NT1 Fermium 258
NT1 Gadolinium 138
NT1 Gadolinium 140
NT1 Gadolinium 142
NT1 Gadolinium 144
NT1 Gadolinium 146
NT1 Gadolinium 148
NT1 Gadolinium 150
NT1 Gadolinium 152
NT1 Gadolinium 154
NT1 Gadolinium 156
NT1 Gadolinium 158
NT1 Gadolinium 160
NT1 Gadolinium 162
NT1 Gadolinium 164
NT1 Germanium 64
NT1 Germanium 66
NT1 Germanium 68
NT1 Germanium 70
NT1 Germanium 72
NT1 Germanium 74
NT1 Germanium 76
NT1 Germanium 78
NT1 Germanium 80
NT1 Germanium 82
NT1 Germanium 84
NT1 Hafnium 154
NT1 Hafnium 156
NT1 Hafnium 158
NT1 Hafnium 160
NT1 Hafnium 162
NT1 Hafnium 164
NT1 Hafnium 166
NT1 Hafnium 168
NT1 Hafnium 170
NT1 Hafnium 172
NT1 Hafnium 174

NT1 Hafnium 176
NT1 Hafnium 178
NT1 Hafnium 180
NT1 Hafnium 182
NT1 Hafnium 184
NT1 Hafnium 186
NT1 Helium 4
NT2 Helium I
NT2 Helium II
NT1 Helium 6
NT1 Helium 8
NT1 Helium 10
NT1 Iron 46
NT1 Iron 48
NT1 Iron 50
NT1 Iron 52
NT1 Iron 54
NT1 Iron 56
NT1 Iron 58
NT1 Iron 60
NT1 Iron 62
NT1 Iron 64
NT1 Iron 66
NT1 Iron 68
NT1 Krypton 70
NT1 Krypton 72
NT1 Krypton 74
NT1 Krypton 76
NT1 Krypton 78
NT1 Krypton 80
NT1 Krypton 82
NT1 Krypton 84
NT1 Krypton 86
NT1 Krypton 88
NT1 Krypton 90
NT1 Krypton 92
NT1 Krypton 94
NT1 Krypton 96
NT1 Krypton 98
NT1 Lead 182
NT1 Lead 184
NT1 Lead 186
NT1 Lead 188
NT1 Lead 190
NT1 Lead 192
NT1 Lead 194
NT1 Lead 196
NT1 Lead 198
NT1 Lead 200
NT1 Lead 202
NT1 Lead 204
NT1 Lead 206
NT1 Lead 208
NT1 Lead 210
NT1 Lead 212
NT1 Lead 214
NT1 Lead 216
NT1 Magnesium 20
NT1 Magnesium 22
NT1 Magnesium 24
NT1 Magnesium 26
NT1 Magnesium 28
NT1 Magnesium 30
NT1 Magnesium 32
NT1 Magnesium 34
NT1 Magnesium 36
NT1 Mercury 176
NT1 Mercury 178
NT1 Mercury 180
NT1 Mercury 182
NT1 Mercury 184
NT1 Mercury 186
NT1 Mercury 188
NT1 Mercury 190
NT1 Mercury 192
NT1 Mercury 194
NT1 Mercury 196
NT1 Mercury 198
NT1 Mercury 200
NT1 Mercury 202
NT1 Mercury 204
NT1 Mercury 206
NT1 Mercury 208
NT1 Mercury 210
NT1 Mercury 212
NT1 Molybdenum 84
NT1 Molybdenum 86
NT1 Molybdenum 90
NT1 Molybdenum 92
NT1 Molybdenum 94
NT1 Molybdenum 96
NT1 Molybdenum 98
NT1 Molybdenum 100
NT1 Molybdenum 102
NT1 Molybdenum 104
NT1 Molybdenum 106
NT1 Molybdenum 108
NT1 Neodymium 128
NT1 Neodymium 130
NT1 Neodymium 132
NT1 Neodymium 134
NT1 Neodymium 136
NT1 Neodymium 138
NT1 Neodymium 140
NT1 Neodymium 142
NT1 Neodymium 144
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NT1 Neodymium 148
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NT1 Neodymium 154
NT1 Neodymium 156
NT1 Neon 16
NT1 Neon 18
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NT1 Neon 30
NT1 Neon 32
NT1 Nickel 54
NT1 Nickel 56
NT1 Nickel 58
NT1 Nickel 60
NT1 Nickel 62
NT1 Nickel 64
NT1 Nickel 66
NT1 Nickel 68
NT1 Nickel 72
NT1 Nickel 74
NT1 Nickel 78
NT1 Nobelium 250
NT1 Nobelium 252
NT1 Nobelium 254
NT1 Nobelium 256
NT1 Nobelium 258
NT1 Nobelium 260
NT1 Nobelium 262
NT1 Nobelium 264
NT1 Osmium 162
NT1 Osmium 164
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NT1 Osmium 172
NT1 Osmium 174
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NT1 Osmium 178
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NT1 Osmium 192
NT1 Osmium 194
NT1 Osmium 196
NT1 Oxygen 12
NT1 Oxygen 14
NT1 Oxygen 16
NT1 Oxygen 18
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NT1 Oxygen 22
NT1 Oxygen 24
NT1 Oxygen 26
NT1 Palladium 96
NT1 Palladium 98
NT1 Palladium 100
NT1 Palladium 102
NT1 Palladium 104
NT1 Palladium 106
NT1 Palladium 108
NT1 Palladium 110
NT1 Palladium 112
NT1 Palladium 114
NT1 Palladium 116
NT1 Palladium 118
NT1 Palladium 120
NT1 Platinum 168
NT1 Platinum 170
NT1 Platinum 172
NT1 Platinum 174
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NT1 Platinum 180
NT1 Platinum 182
NT1 Platinum 184
NT1 Platinum 186
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NT1 Platinum 204
NT1 Platinum 206
NT1 Platinum 208
NT1 Plutonium 228
NT1 Plutonium 230
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NT1 Ruthenium 92
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NT1 Ruthenium 112
NT1 Ruthenium 114
NT1 Samarium 134
NT1 Samarium 136
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NT1 Samarium 158
NT1 Samarium 160
NT1 Selenium 68
NT1 Selenium 70
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NT1 Selenium 82
NT1 Selenium 84
NT1 Selenium 86
NT1 Selenium 88
NT1 Silicon 22
NT1 Silicon 24
NT1 Silicon 26
NT1 Silicon 28
NT1 Silicon 30
NT1 Silicon 32
NT1 Silicon 34
NT1 Silicon 36
NT1 Silicon 38
NT1 Silicon 40
NT1 Silicon 42
NT1 Strontium 76
NT1 Strontium 78
NT1 Strontium 80
NT1 Strontium 82
NT1 Strontium 84
NT1 Strontium 86
NT1 Strontium 88
NT1 Strontium 90
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NT1 Strontium 100
NT1 Strontium 102
NT1 Sulfur 24
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NT1 Sulfur 48
NT1 Tellurium 106
NT1 Tellurium 108
NT1 Tellurium 110
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NT1 Tellurium 114
NT1 Tellurium 116
NT1 Tellurium 118
NT1 Tellurium 120
NT1 Tellurium 122
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NT1 Tellurium 130
NT1 Tellurium 132
NT1 Tellurium 134
NT1 Tellurium 136
NT1 Tellurium 138
NT1 Thorium 212
NT1 Thorium 214
NT1 Thorium 216
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NT1 Thorium 220
NT1 Thorium 224
NT1 Thorium 226
NT1 Thorium 228
NT1 Thorium 230
NT1 Thorium 232
NT1 Thorium 234
NT1 Thorium 236
NT1 Thorium 238
NT1 Tin 100
NT1 Tin 102
NT1 Tin 104
NT1 Tin 106
NT1 Tin 108
NT1 Tin 110
NT1 Tin 112
NT1 Tin 114
NT1 Tin 116
NT1 Tin 118
NT1 Tin 120
NT1 Tin 122
NT1 Tin 124
NT1 Tin 126
NT1 Tin 128
NT1 Tin 130
NT1 Tin 132
NT1 Tin 134
NT1 Titanium 40
NT1 Titanium 42
NT1 Titanium 44
NT1 Titanium 46
NT1 Titanium 48
NT1 Titanium 50
NT1 Titanium 52
NT1 Titanium 54
NT1 Titanium 56
NT1 Tungsten 158
NT1 Tungsten 160
NT1 Tungsten 162
NT1 Tungsten 164
NT1 Tungsten 166
NT1 Tungsten 168
NT1 Tungsten 170
NT1 Tungsten 172
NT1 Tungsten 174
NT1 Tungsten 176
NT1 Tungsten 178
NT1 Tungsten 180
NT1 Tungsten 182
NT1 Tungsten 184
NT1 Tungsten 186
NT1 Tungsten 188
NT1 Tungsten 190
NT1 Tungsten 192
NT1 Uranium 218
NT1 Uranium 222
NT1 Uranium 224
NT1 Uranium 226
NT1 Uranium 228
NT1 Uranium 230
NT1 Uranium 232
NT1 Uranium 234
NT1 Uranium 236
NT1 Uranium 238
NT1 Uranium 240
NT1 Uranium 242
NT1 Xenon 110
NT1 Xenon 112
NT1 Xenon 114
NT1 Xenon 116
NT1 Xenon 118
NT1 Xenon 120
NT1 Xenon 122
NT1 Xenon 124
NT1 Xenon 126
NT1 Xenon 128
NT1 Xenon 130
NT1 Xenon 132
NT1 Xenon 134
NT1 Xenon 136
NT1 Xenon 138
NT1 Xenon 140
NT1 Xenon 142
NT1 Xenon 144
NT1 Xenon 146
NT1 Ytterbium 150
NT1 Ytterbium 152
NT1 Ytterbium 154
NT1 Ytterbium 156
NT1 Ytterbium 158
NT1 Ytterbium 160
NT1 Ytterbium 162
NT1 Ytterbium 164
NT1 Ytterbium 166
NT1 Ytterbium 168
NT1 Ytterbium 170
NT1 Ytterbium 172
NT1 Ytterbium 174
NT1 Ytterbium 176
NT1 Ytterbium 178
NT1 Ytterbium 180
NT1 Zinc 58
NT1 Zinc 60
NT1 Zinc 62
NT1 Zinc 64
NT1 Zinc 66
NT1 Zinc 68
NT1 Zinc 70
NT1 Zinc 72
NT1 Zinc 74
NT1 Zinc 76
NT1 Zinc 78
NT1 Zinc 80
NT1 Zirconium 80
NT1 Zirconium 82
NT1 Zirconium 84
NT1 Zirconium 86
NT1 Zirconium 88
NT1 Zirconium 90
NT1 Zirconium 92
NT1 Zirconium 94
NT1 Zirconium 96
NT1 Zirconium 98
NT1 Zirconium 100
NT1 Zirconium 102
NT1 Zirconium 104
RT Nuclear Structure

EVEN-ODD NUCLEI [01]
(Even protons, odd neutrons.)
DA *December 1, 1974*
BT1 Nuclei
NT1 Argon 31
NT1 Argon 33
NT1 Argon 35
NT1 Argon 37
NT1 Argon 39
NT1 Argon 41
NT1 Argon 43
NT1 Argon 45
NT1 Argon 47
NT1 Argon 49
NT1 Argon 51
NT1 Barium 117
NT1 Barium 119
NT1 Barium 121
NT1 Barium 123
NT1 Barium 125
NT1 Barium 127
NT1 Barium 129
NT1 Barium 131
NT1 Barium 133
NT1 Barium 135
NT1 Barium 137
NT1 Barium 139
NT1 Barium 141
NT1 Barium 143
NT1 Barium 145
NT1 Barium 147
NT1 Barium 149
NT1 Beryllium 5
NT1 Beryllium 7
NT1 Beryllium 9
NT1 Beryllium 11
NT1 Beryllium 13
NT1 Cadmium 97
NT1 Cadmium 99
NT1 Cadmium 101
NT1 Cadmium 103
NT1 Cadmium 105
NT1 Cadmium 107
NT1 Cadmium 109
NT1 Cadmium 111
NT1 Cadmium 113
NT1 Cadmium 115
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NT1 Cadmium 119
NT1 Cadmium 121
NT1 Cadmium 123
NT1 Cadmium 125
NT1 Cadmium 127
NT1 Calcium 35
NT1 Calcium 37
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NT1 Calcium 41
NT1 Calcium 43
NT1 Calcium 45
NT1 Calcium 47
NT1 Calcium 49
NT1 Calcium 51
NT1 Calcium 53
NT1 Californium 239
NT1 Californium 241
NT1 Californium 243
NT1 Californium 245
NT1 Californium 247
NT1 Californium 249
NT1 Californium 251
NT1 Californium 253
NT1 Californium 255
NT1 Carbon 9
NT1 Carbon 11
NT1 Carbon 13
NT1 Carbon 15
NT1 Carbon 17
NT1 Carbon 19
NT1 Cerium 123
NT1 Cerium 125
NT1 Cerium 127
NT1 Cerium 129

NT1 Cerium 131
NT1 Cerium 133
NT1 Cerium 135
NT1 Cerium 137
NT1 Cerium 139
NT1 Cerium 141
NT1 Cerium 143
NT1 Cerium 145
NT1 Cerium 147
NT1 Cerium 149
NT1 Cerium 151
NT1 Chromium 43
NT1 Chromium 45
NT1 Chromium 47
NT1 Chromium 49
NT1 Chromium 51
NT1 Chromium 53
NT1 Chromium 55
NT1 Chromium 57
NT1 Chromium 59
NT1 Chromium 61
NT1 Curium 239
NT1 Curium 241
NT1 Curium 243
NT1 Curium 245
NT1 Curium 247
NT1 Curium 249
NT1 Curium 251
NT1 Dysprosium 141
NT1 Dysprosium 143
NT1 Dysprosium 145
NT1 Dysprosium 147
NT1 Dysprosium 149
NT1 Dysprosium 151
NT1 Dysprosium 153
NT1 Dysprosium 155
NT1 Dysprosium 157
NT1 Dysprosium 159
NT1 Dysprosium 161
NT1 Dysprosium 163
NT1 Dysprosium 165
NT1 Dysprosium 167
NT1 Dysprosium 169
NT1 Element 104 253
NT1 Element 104 255
NT1 Element 104 257
NT1 Element 104 259
NT1 Element 104 261
NT1 Element 106 259
NT1 Element 106 261
NT1 Element 106 263
NT1 Erbium 145
NT1 Erbium 147
NT1 Erbium 149
NT1 Erbium 151
NT1 Erbium 153
NT1 Erbium 155
NT1 Erbium 157
NT1 Erbium 159
NT1 Erbium 161
NT1 Erbium 163
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NT1 Erbium 167
NT1 Erbium 169
NT1 Erbium 171
NT1 Erbium 173
NT1 Fermium 243
NT1 Fermium 245
NT1 Fermium 247
NT1 Fermium 249
NT1 Fermium 251
NT1 Fermium 253
NT1 Fermium 255
NT1 Fermium 257
NT1 Fermium 259
NT1 Gadolinium 137
NT1 Gadolinium 139
NT1 Gadolinium 141
NT1 Gadolinium 143
NT1 Gadolinium 145
NT1 Gadolinium 147
NT1 Gadolinium 149
NT1 Gadolinium 151
NT1 Gadolinium 153
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NT1 Gadolinium 159
NT1 Gadolinium 161
NT1 Gadolinium 163
NT1 Germanium 61
NT1 Germanium 65
NT1 Germanium 67
NT1 Germanium 69
NT1 Germanium 71
NT1 Germanium 73
NT1 Germanium 75
NT1 Germanium 77
NT1 Germanium 79
NT1 Germanium 81
NT1 Germanium 83
NT1 Germanium 85
NT1 Hafnium 155
NT1 Hafnium 157
NT1 Hafnium 159
NT1 Hafnium 161
NT1 Hafnium 163
NT1 Hafnium 165
NT1 Hafnium 167
NT1 Hafnium 169
NT1 Hafnium 171
NT1 Hafnium 173
NT1 Hafnium 175
NT1 Hafnium 177
NT1 Hafnium 179
NT1 Hafnium 181
NT1 Hafnium 183
NT1 Hafnium 185
NT1 Helium 3
NT2 Helium 3 A
NT2 Helium 3 A1
NT2 Helium 3 B
NT1 Helium 5
NT1 Helium 7
NT1 Helium 9
NT1 Iron 45
NT1 Iron 47
NT1 Iron 49
NT1 Iron 51
NT1 Iron 53
NT1 Iron 55
NT1 Iron 57
NT1 Iron 59
NT1 Iron 61
NT1 Iron 63
NT1 Iron 65
NT1 Iron 67
NT1 Krypton 71
NT1 Krypton 73
NT1 Krypton 75
NT1 Krypton 77
NT1 Krypton 79
NT1 Krypton 81
NT1 Krypton 83
NT1 Krypton 85
NT1 Krypton 87
NT1 Krypton 89
NT1 Krypton 91
NT1 Krypton 93
NT1 Krypton 95
NT1 Krypton 97
NT1 Lead 183
NT1 Lead 185
NT1 Lead 187
NT1 Lead 189
NT1 Lead 191
NT1 Lead 193
NT1 Lead 195
NT1 Lead 197
NT1 Lead 199
NT1 Lead 201
NT1 Lead 203
NT1 Lead 205
NT1 Lead 207
NT1 Lead 209
NT1 Lead 211
NT1 Lead 213
NT1 Lead 215
NT1 Magnesium 21
NT1 Magnesium 23
NT1 Magnesium 25
NT1 Magnesium 27
NT1 Magnesium 29
NT1 Magnesium 31
NT1 Magnesium 33
NT1 Magnesium 35
NT1 Mercury 175
NT1 Mercury 177
NT1 Mercury 179
NT1 Mercury 181
NT1 Mercury 183
NT1 Mercury 185
NT1 Mercury 187
NT1 Mercury 189
NT1 Mercury 191
NT1 Mercury 193
NT1 Mercury 195
NT1 Mercury 197
NT1 Mercury 199
NT1 Mercury 201
NT1 Mercury 203
NT1 Mercury 205
NT1 Mercury 207
NT1 Mercury 209
NT1 Mercury 211
NT1 Molybdenum 85
NT1 Molybdenum 87
NT1 Molybdenum 89
NT1 Molybdenum 91
NT1 Molybdenum 93
NT1 Molybdenum 95
NT1 Molybdenum 97
NT1 Molybdenum 99
NT1 Molybdenum 101
NT1 Molybdenum 103
NT1 Molybdenum 105
NT1 Molybdenum 107
NT1 Neodymium 127
NT1 Neodymium 129
NT1 Neodymium 131
NT1 Neodymium 133
NT1 Neodymium 135
NT1 Neodymium 137
NT1 Neodymium 139
NT1 Neodymium 141
NT1 Neodymium 143
NT1 Neodymium 145
NT1 Neodymium 147
NT1 Neodymium 149
NT1 Neodymium 151
NT1 Neodymium 153
NT1 Neodymium 155
NT1 Neon 17
NT1 Neon 19
NT1 Neon 21
NT1 Neon 23
NT1 Neon 25
NT1 Neon 27
NT1 Neon 29
NT1 Nickel 53
NT1 Nickel 55
NT1 Nickel 57
NT1 Nickel 59
NT1 Nickel 61
NT1 Nickel 63
NT1 Nickel 65
NT1 Nickel 67
NT1 Nickel 69
NT1 Nickel 71
NT1 Nickel 73
NT1 Nobelium 251
NT1 Nobelium 253
NT1 Nobelium 255
NT1 Nobelium 257
NT1 Nobelium 259
NT1 Nobelium 261
NT1 Osmium 163
NT1 Osmium 165
NT1 Osmium 167
NT1 Osmium 169
NT1 Osmium 171
NT1 Osmium 173
NT1 Osmium 175
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NT1 Osmium 179
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NT1 Osmium 183
NT1 Osmium 185
NT1 Osmium 187
NT1 Osmium 189
NT1 Osmium 191
NT1 Osmium 193
NT1 Osmium 195
NT1 Oxygen 13
NT1 Oxygen 15
NT1 Oxygen 17
NT1 Oxygen 19
NT1 Oxygen 21
NT1 Oxygen 23
NT1 Palladium 95
NT1 Palladium 97
NT1 Palladium 99
NT1 Palladium 101
NT1 Palladium 103
NT1 Palladium 105
NT1 Palladium 107
NT1 Palladium 109
NT1 Palladium 111
NT1 Palladium 113
NT1 Palladium 115
NT1 Palladium 117
NT1 Palladium 119
NT1 Platinum 169

NT1 Platinum 171
NT1 Platinum 173
NT1 Platinum 175
NT1 Platinum 177
NT1 Platinum 179
NT1 Platinum 181
NT1 Platinum 183
NT1 Platinum 185
NT1 Platinum 187
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NT1 Platinum 193
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NT1 Platinum 197
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NT1 Platinum 201
NT1 Platinum 203
NT1 Platinum 205
NT1 Platinum 207
NT1 Plutonium 231
NT1 Plutonium 233
NT1 Plutonium 235
NT1 Plutonium 237
NT1 Plutonium 239
NT1 Plutonium 241
NT1 Plutonium 243
NT1 Plutonium 245
NT1 Plutonium 247
NT1 Polonium 193
NT1 Polonium 195
NT1 Polonium 197
NT1 Polonium 199
NT1 Polonium 201
NT1 Polonium 203
NT1 Polonium 205
NT1 Polonium 207
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NT1 Polonium 219
NT1 Radium 205
NT1 Radium 207
NT1 Radium 209
NT1 Radium 211
NT1 Radium 213
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NT1 Radium 221
NT1 Radium 223
NT1 Radium 225
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NT1 Radium 229
NT1 Radium 231
NT1 Radium 233
NT1 Radon 199
NT1 Radon 201
NT1 Radon 203
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NT1 Radon 227
NT1 Ruthenium 91
NT1 Ruthenium 93
NT1 Ruthenium 95
NT1 Ruthenium 97
NT1 Ruthenium 99
NT1 Ruthenium 101
NT1 Ruthenium 103
NT1 Ruthenium 105
NT1 Ruthenium 107
NT1 Ruthenium 109
NT1 Ruthenium 111
NT1 Ruthenium 113
NT1 Samarium 131
NT1 Samarium 133
NT1 Samarium 135
NT1 Samarium 137
NT1 Samarium 139
NT1 Samarium 141
NT1 Samarium 143
NT1 Samarium 145
NT1 Samarium 147
NT1 Samarium 149
NT1 Samarium 151
NT1 Samarium 153
NT1 Samarium 155
NT1 Samarium 157
NT1 Samarium 159
NT1 Selenium 65
NT1 Selenium 69
NT1 Selenium 71
NT1 Selenium 73
NT1 Selenium 75
NT1 Selenium 77
NT1 Selenium 79
NT1 Selenium 81
NT1 Selenium 83
NT1 Selenium 85
NT1 Selenium 87
NT1 Selenium 89
NT1 Selenium 91
NT1 Silicon 23
NT1 Silicon 25
NT1 Silicon 27
NT1 Silicon 29
NT1 Silicon 31
NT1 Silicon 33
NT1 Silicon 35
NT1 Silicon 37
NT1 Silicon 39
NT1 Silicon 41
NT1 Strontium 77
NT1 Strontium 79
NT1 Strontium 81
NT1 Strontium 83
NT1 Strontium 85
NT1 Strontium 87
NT1 Strontium 89
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NT1 Strontium 93
NT1 Strontium 95
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NT1 Strontium 99
NT1 Strontium 101
NT1 Sulfur 27
NT1 Sulfur 29
NT1 Sulfur 31
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NT1 Sulfur 39
NT1 Sulfur 41
NT1 Sulfur 43
NT1 Sulfur 45
NT1 Sulfur 47
NT1 Tellurium 107
NT1 Tellurium 109
NT1 Tellurium 111
NT1 Tellurium 113
NT1 Tellurium 115
NT1 Tellurium 117
NT1 Tellurium 119
NT1 Tellurium 121
NT1 Tellurium 123
NT1 Tellurium 125
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NT1 Tellurium 137
NT1 Thorium 213
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NT1 Thorium 235
NT1 Tin 101
NT1 Tin 103
NT1 Tin 105
NT1 Tin 107
NT1 Tin 109
NT1 Tin 111
NT1 Tin 113
NT1 Tin 115
NT1 Tin 117
NT1 Tin 119
NT1 Tin 121
NT1 Tin 123
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NT1 Tin 129
NT1 Tin 131
NT1 Tin 133
NT1 Titanium 39
NT1 Titanium 41
NT1 Titanium 43
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NT1 Titanium 57
NT1 Tungsten 159
NT1 Tungsten 161
NT1 Tungsten 163
NT1 Tungsten 165
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NT1 Tungsten 171
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NT1 Uranium 219
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NT1 Xenon 111
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NT1 Xenon 121
NT1 Xenon 123
NT1 Xenon 125
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NT1 Xenon 141
NT1 Xenon 143
NT1 Xenon 145
NT1 Ytterbium 151
NT1 Ytterbium 153
NT1 Ytterbium 155
NT1 Ytterbium 157
NT1 Ytterbium 159
NT1 Ytterbium 161
NT1 Ytterbium 163
NT1 Ytterbium 165
NT1 Ytterbium 167
NT1 Ytterbium 169
NT1 Ytterbium 171
NT1 Ytterbium 173
NT1 Ytterbium 175
NT1 Ytterbium 177
NT1 Ytterbium 179
NT1 Yttrium 179
NT1 Zinc 57
NT1 Zinc 59
NT1 Zinc 61
NT1 Zinc 63
NT1 Zinc 65
NT1 Zinc 67
NT1 Zinc 69
NT1 Zinc 71
NT1 Zinc 73
NT1 Zinc 75
NT1 Zinc 77
NT1 Zinc 79
NT1 Zinc 81
NT1 Zirconium 81
NT1 Zirconium 83
NT1 Zirconium 85
NT1 Zirconium 87
NT1 Zirconium 89
NT1 Zirconium 91

NT1 Zirconium 93
NT1 Zirconium 95
NT1 Zirconium 97
NT1 Zirconium 99
NT1 Zirconium 101
NT1 Zirconium 103
RT Nuclear Structure

Event Tree Analysis
DA June 16, 1975
USE Failure Mode Analysis

EVERGLADES NATIONAL PARK [01]
DA October 28, 1975
SF *Parks*
BT1 Public Lands
RT Florida
RT Swamps

Evolution
DA February 14, 1978
USE Biological Evolution

EVSR REACTOR [01]
DA December 1, 1974
UF *Vallecitos Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors

EWA REACTOR [01]
(Inst. of Nuclear Research, Swierk, Poland)
DA April 4, 1975
UF *Swierk EWA Reactor*
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors

EXCAVATION [01]
DA December 1, 1974
NT1 Nuclear Excavation
RT Cavities
RT Construction
RT Craters
RT Draglines
RT Dredging
RT Earthmoving Equipment
RT Explosions
RT Foundations
RT Mining
RT Nuclear Explosions
RT Schooner Event
RT Shaft Excavations
RT Subterrene Penetrators
RT Surface Mining
RT Tunneling Machines
RT Tunnels
RT Underground Mining

Excavators
DA May 3, 1978
USE Earthmoving Equipment

EXCEPTIONS
DA December 10, 1979
SF *Exemptions*
BT1 Administrative Procedures

EXCER PROCESS [01]
DA December 1, 1974
BT1 Reprocessing
BT2 Separation Processes
RT Solvent Extraction

EXCESS COSTS
DA March 23, 1983
BT1 Cost
RT Cost Overruns

Exchange (Charge)
DA December 1, 1974
USE Charge Exchange

Exchange (Electron)
DA December 1, 1974
USE Electron Exchange

Exchange (Heat)
DA December 1, 1974
USE Heat Transfer

Exchange (Ion)
DA December 1, 1974
USE Ion Exchange

Exchange (Isotopic)
DA December 1, 1974
USE Isotopic Exchange

EXCHANGE DEGENERACY [01]
DA December 1, 1974
RT Regge Poles

EXCHANGE INTERACTIONS [01]
(Not for chemical reactions.)
DA December 1, 1974
BT1 Interactions
RT CIM Model
RT Morrison Rule
RT Quark-Hadron Interactions
RT Spin Exchange

Exchange Models
DA December 1, 1974
USE Peripheral Models

Exchange Rate
DA September 21, 1984
USE Foreign Exchange Rate

EXCIMER LASERS [01]
(Prior to April, 1984 information was indexed to GAS LASERS and, if possible, the applicable excimer.)
DA May 8, 1984
BT1 Gas Lasers
BT2 Lasers
NT1 Krypton Chloride Lasers
NT1 Krypton Fluoride Lasers
RT Dimers
RT Rare Gas Compounds
DEF A molecular laser using vibronic transitions and whose lasing medium is a dimer that exists in the excited state and dissociates in the ground state.

EXCISION REPAIR
DA December 1, 1974
BT1 DNA Repair
BT2 Biological Repair
BT3 Biological Recovery
BT3 Repair

EXCITATION [01]
DA December 1, 1974
BT1 Energy-Level Transitions
NT1 Collective Excitations
NT1 Coulomb Excitation
NT1 Inner-Shell Excitation
RT Activation Energy
RT Chemical Activation
RT De-Excitation
RT Energy Deposition
RT Excited States
RT Fission Barrier
RT Optical Pumping
DEF Addition of energy to a nuclear, atomic or molecular system transferring it to another energy state.

EXCITATION FUNCTIONS [01]
DA December 1, 1974
BT1 Cross Sections
BT1 Functions
RT Energy Dependence
RT Gerjuoy-Stein Theory
RT Nuclear Reactions
RT Total Cross Sections

EXCITATION SYSTEMS
DA April 5, 1978
UF *Exciters*
RT Control Equipment
RT Electric Currents
RT Electric Fields
RT Electric Generators
RT Electrical Equipment
DEF Equipment for providing field current for an a-c generator.

EXCITED STATES [01]
DA December 1, 1974
BT1 Energy Levels
NT1 Metastable States
NT1 Rotational States
NT1 Rydberg States
NT1 Vibrational States
RT Excitation

Exciters
DA April 5, 1978
USE Excitation Systems

EXCITON MODEL [01]
DA May 9, 1979
BT1 Nuclear Models
BT2 Mathematical Models
RT Nuclear Reactions
RT Precompound-Nucleus Emission

EXCITONS [01]
DA December 1, 1974
BT1 Quasi Particles

Exclusion Principle
DA December 1, 1974
USE Pauli Principle

EXCLUSIVE INTERACTIONS [01]
DA December 1, 1974
BT1 Particle Interactions
BT2 Interactions
NT1 Semi-Exclusive Interactions
RT Inclusive Interactions
DEF The group of all interactions of two particles producting a specific final state but excluding the final-state particle itself.

EXCRETION [01]
DA December 1, 1974
UF+ *Excretion Analysis*
BT1 Clearance
NT1 Exhalation
NT1 Lung Clearance
NT1 Renal Clearance
RT Biological Wastes
RT Body Fluids
RT Feces
RT Glands
RT Glucuronide Conjugates
RT Glutathione Conjugates
RT Kidneys
RT Large Intestine
RT Lavage
RT Phagocytosis
RT Physiology
RT Radionuclide Kinetics
RT Retention
RT Secretion
RT Sweat
RT Urinary Tract
RT Urine

Excretion Analysis
DA December 1, 1974
USE Excretion
AND Personnel Monitoring

Excretion Functions
DA December 1, 1974
USE Retention Functions

EXCURSIONS [01]
DA December 1, 1974
UF *Power Excursions*
UF *Runaway (Reactor Accident)*
BT1 Reactor Accidents

BT2 Accidents
RT Hazards
RT Reactors

EXECUTIVE CODES [01]
(Digital computer code that controls other codes, allocates storage to these codes and controls the servicing of peripheral devices.)
DA August 25, 1983
UF *Monitor Codes*
BT1 Computer Codes
RT Memory Management
RT Programming
RT Task Scheduling
DEF A digital computer routine designed to process and control other routines.

EXECUTIVE ORDERS
DA May 21, 1983
RT Laws
RT Legal Aspects
RT Regulations

Exemptions
DA November 25, 1980
SEE Exceptions

EXERCISE [01]
DA December 1, 1974
UF *Physical Effort*
UF *Swimming*
RT Biological Fatigue
RT Biological Stress
RT Muscles

EXERGY [01]
(That portion of energy which is converted into the desired, economically utilizable form.)
DA March 29, 1980
BT1 Energy
RT Thermodynamics

EXHALATION [01]
DA December 1, 1974
BT1 Excretion
BT2 Clearance
RT Breath
RT Lung Clearance

Exhaust Gas Recirculation Systems
DA January 7, 1976
USE Exhaust Recirculation Systems

EXHAUST GASES [01]
DA April 8, 1975
BT1 Gaseous Wastes
BT2 Wastes
BT1 Gases
BT2 Fluids
RT Afterburners
RT Automobiles
RT Catalytic Converters
RT Combustion Products
RT Exhaust Recirculation Systems
RT Exhaust Systems
RT Federal Test Procedure
RT Gasohol
RT Internal Combustion Engines

EXHAUST RECIRCULATION SYSTEMS [01]
DA January 7, 1976
UF *EGR Systems*
UF *Exhaust Gas Recirculation Systems*
BT1 Exhaust Systems
BT1 Pollution Control Equipment
BT2 Equipment
RT Air Pollution Control
RT Automobiles
RT Combustion
RT Exhaust Gases

EXHAUST SYSTEMS [01]
DA March 8, 1977
NT1 Exhaust Recirculation Systems
RT Afterburners
RT Air Pollution
RT Chimneys
RT Exhaust Gases
RT Ventilation
RT Waste Disposal

EXHIBITS [01]
DA May 31, 1979
RT Educational Facilities
RT Educational Tools

EXINITE [01]
DA July 24, 1987
UF *Liptinite*
BT1 Macerals

EXOELECTRON DOSEMETERS [01]
DA December 1, 1974
BT1 Dosemeters
BT2 Measuring Instruments

EXOELECTRONS [01]
DA December 1, 1974
BT1 Electrons
BT2 Leptons
BT3 Elementary Particles
BT3 Fermions

EXOSKELETON [01]
DA December 1, 1974
BT1 Skeleton
BT2 Organs
BT3 Body
RT Echinoderms

EXOSPHERE [01]
DA December 1, 1974
BT1 Earth Atmosphere

Exotic Atoms
DA December 1, 1974
USE Hadronic Atoms

EXOTIC RESONANCES [01]
DA December 1, 1974
BT1 Resonance Particles
BT2 Hadrons
BT3 Elementary Particles
RT Quark Model
DEF Resonance states not accommodated by the naive quark model.

EXPANSION [01]
(Increase in size or volume.Not for SERIES EXPANSION.)
DA December 1, 1974
NT1 Plasma Expansion
NT1 Thermal Expansion
RT Augmentation
RT Contraction
RT Cosmological Models
RT Elongation
RT Hubble Effect
RT Solar Wind
RT Swelling

EXPANSION CHAMBERS [01]
DA December 1, 1974
BT1 Cloud Chambers
BT2 Gas Track Detectors
BT3 Radiation Detectors
BT4 Measuring Instruments

EXPANSION JOINTS [01]
DA December 16, 1975
BT1 Joints
RT Bellows
RT Contraction
RT Pipe Fittings
RT Pipe Joints
RT Thermal Expansion

EXPECTATION VALUE [01]
DA December 1, 1974
RT Eigenfunctions
RT Eigenvalues
RT Probability
RT Quantum Mechanics
RT Statistics

EXPENDITURES [01]
DA July 6, 1981
UF *Spending*
RT Budgets
RT Capital
RT Cost
RT Economics
RT Financing
RT Market

Experience Critique Orgel
DA December 1, 1974
USE ECO Reactor

EXPERIMENT PLANNING [01]
DA September 11, 1975
BT1 Planning
RT Demonstration Programs
RT Research Programs

Experimental Beryllium Oxide Reactor
DA December 1, 1974
USE EBOR Reactor

Experimental Boiling Water Reactor
DA December 1, 1974
USE EBWR Reactor

Experimental Breeder Reactor-1
DA December 1, 1974
USE EBR-1 Reactor

Experimental Breeder Reactor-2
DA December 1, 1974
USE EBR-2 Reactor

EXPERIMENTAL CHANNELS [01]
DA December 1, 1974
UF *Irradiation Channels*
BT1 Reactor Channels
BT2 Reactor Components
BT1 Reactor Experimental Facilities
BT2 Reactor Components
RT In Pile Loops
RT Irradiation Capsules

EXPERIMENTAL DATA [01]
DA February 27, 1979
BT1 Numerical Data
BT2 Data
BT3 Information

Experimental Facilities (Accelerator)
DA December 1, 1974
USE Accelerator Facilities

Experimental Facilities (Reactor)
DA March 4, 1977
USE Reactor Experimental Facilities

Experimental Gas Cooled Reactor
DA December 1, 1974
USE EGCR Reactor

EXPERIMENTAL NEOPLASMS [01]
DA December 1, 1974
UF *Jensen Sarcoma*
UF *Walker Carcinoma*
UF *Yoshida Sarcoma*
NT1 Ehrlich Ascites Tumor
RT Leukemia Viruses
RT Neoplasms

Experimental Organic Cooled Reactor
DA December 1, 1974
USE EOCR Reactor

Experimental Propulsion Test Reactor
DA December 1, 1974
SEE Tory-2A Reactor
OR Tory-2C Reactor

EXPERIMENTAL REACTORS [01]
(For engineering testing of reactor components such as : FUEL ELEMENTS, COOLING SYSTEMS, etc.)
DA December 1, 1974
UF+ *LCRE Reactor*
UF+ *Lithium Cooled Reactor Experiment*
BT1 Research and Test Reactors
BT2 Reactors
NT1 APS Reactor
NT1 ARBUS Reactor

NT1 ATRC Reactor
NT1 Bilbin Reactor
NT1 BOR-60 Reactor
NT1 BORAX 1 Reactor
NT1 BORAX 2 Reactor
NT1 BORAX 3 Reactor
NT1 BORAX-4 Reactor
NT1 BR-3-VN Reactor
NT1 Cesar Reactor
NT1 DFR Reactor
NT1 Dragon Reactor
NT1 EBR-1 Reactor
NT1 EBR-2 Reactor
NT1 EBWR Reactor
NT1 EGCR Reactor
NT1 EL-1 Reactor
NT1 EOCR Reactor
NT1 ESADA VESR Reactor
NT1 GCRE Reactor
NT1 HBWR Reactor
NT1 HDR Reactor
NT1 HRE-2 Reactor
NT1 HTTR Reactor
NT1 Joyo Reactor
NT1 JPDR Reactor
NT1 Kiwi-TNT Reactor
NT1 KNK Reactor
NT1 KNK-2 Reactor
NT1 LAMPRE-1 Reactor
NT1 MH-1A Reactor
NT1 MIR Reactor
NT1 MSRE Reactor
NT1 NRX-A1 Reactor
NT1 NRX-A2 Reactor
NT1 NRX-A3 Reactor
NT1 NRX-A4 Est Reactor
NT1 NRX-A5 Reactor
NT1 NRX-A6 Reactor
NT1 NRX-A7 Reactor
NT1 OMRE Reactor
NT1 Rover Reactors
NT1 SEFOR Reactor
NT1 SPERT-1 Reactor
NT1 SPERT-2 Reactor
NT1 SPERT-3 Reactor
NT1 SPERT-4 Reactor
NT1 SRE Reactor
NT1 Subcritical Assemblies
NT2 PSE Reactor
NT2 STSF Assembly
NT1 Topaz Reactor
NT1 Tory-2A Reactor
NT1 Tory-2C Reactor
NT1 TREAT Reactor
NT1 TZ1 Reactor
NT1 TZ2 Reactor
NT1 UHTREX Reactor
NT1 Venus Reactor
NT1 VHTR Reactor
NT1 XE-2 Reactor
NT1 XE Prime Reactor
NT1 XMA-1 Reactor
* NT1 Zero Power Reactors
NT1 ZRR Reactor

EXPERT SYSTEMS [01]
DA September 24, 1985
RT Artificial Intelligence
RT Data Processing
RT Knowledge Base
RT Neural Networks
RT Programming
DEF Computer programs comprising a knowledge-based component, constructed from an expert skill, operating in such a way that the system can offer intelligent advice or make an intelligent decision about a processing function.

EXPLODING WIRES [01]
DA December 1, 1974
BT1 Wires
RT Detonators

EXPLOITATION
DA April 8, 1975
RT Leasing
RT Mining
RT Petroleum Industry
RT Reserves

EXPLORATION [01]
DA December 1, 1974
NT1 Geothermal Exploration
RT Aerial Prospecting
RT Electrical Surveys
RT Exploratory Wells
RT Geochemical Surveys
RT Geologic Surveys
RT Geophysical Surveys
RT Landsat Satellites
RT Petroleum Geology
RT Prospecting
RT Radiometric Surveys
RT Remote Sensing
RT Resource Potential

EXPLORATORY WELLS [01]
DA January 30, 1979
UF *Test Wells*
BT1 Wells
RT Boreholes
RT Exploration
RT Geothermal Exploration
RT Geothermal Wells
RT Natural Gas Wells
RT Oil Wells
RT Well Drilling

EXPLORER SATELLITES [01]
DA December 1, 1974
BT1 Satellites

EXPLOSION WELDING [01]
DA December 1, 1974
BT1 Welding
BT2 Joining
BT3 Fabrication

EXPLOSIONS [01]
DA December 1, 1974
UF *Blasts*
* NT1 Atmospheric Explosions
NT1 Chemical Explosions
NT2 Cowboy Event
NT2 Middle Quet Event
NT2 Pre-Gondola I Event
NT2 Pre-Gondola II Event
NT1 Contained Explosions
NT2 Monique Event
NT2 Pokhran Event
NT2 Wagon Wheel Event
* NT1 Cratering Explosions
* NT1 Nuclear Explosions
* NT1 Surface Explosions
* NT1 Underground Explosions
NT1 Underwater Explosions
NT2 Swordfish Event
RT Accidents
RT Blast Effects
RT Combustion Waves
RT Detonation Waves
RT Detonations
RT Detonators
RT Disasters
RT Excavation
RT Fires
RT Implosions
RT Molten Metal-Water Reactions
RT Seismic Events
RT Shock Waves
RT Spontaneous Combustion

EXPLOSIVE FORMING [01]
DA December 1, 1974
BT1 Materials Working
BT2 Fabrication

EXPLOSIVE FRACTURING [01]
DA April 10, 1976
UF *Blasting*
UF *Shotfiring*
BT1 Fracturing
NT1 SOLFRAC Process
RT Chemical Explosions
RT Fractures
RT Mining
RT Nuclear Explosions
RT Underground Explosions

EXPLOSIVE INSTABILITY [01]
DA December 1, 1974
BT1 Plasma Instability
BT2 Instability

EXPLOSIVE STIMULATION [01]
DA January 20, 1975
UF *Well Shooting*
BT1 Well Stimulation
BT2 Stimulation
RT Chemical Explosions
RT Enhanced Recovery
RT Nuclear Explosions
RT Oil Shales
RT Underground Explosions
DEF The use of chemical or nuclear explosive fracturing to increase reservoir production

Explosively driven MHD Generators
DA May 7, 1977
USE Pulsed MHD Generators

EXPLOSIVES [01]
DA December 1, 1974
NT1 Chemical Explosives
NT2 Dynamite
NT2 Nitrocellulose
NT2 Nitroglycerin
NT2 Nitromethane
NT2 PETN
NT2 Picric Acid
NT2 Shaped Charges
NT2 TATB
NT2 Tetryl
NT2 TNT
NT1 Nuclear Explosives
RT Ammunition
RT Guns
RT Propellants

Exponential Piles
DA December 1, 1974
USE Subcritical Assemblies

EXPORTS [01]
DA July 5, 1978
BT1 Trade
RT Domestic Supplies
RT Foreign Policy
RT Imports
RT Net Trade
RT Sales
RT Tariffs

Exposure (Radiation Doses)
DA December 1, 1974
USE Radiation Doses

EXPOSURE CHAMBERS [01]
DA October 20, 1977
UF *Atmospheric Exposure Chambers*
UF *Environmental Exposure Chambers*
UF *Inhalation Exposure Chambers*
RT Controlled Atmospheres

EXPOSURE RATEMETERS [01]
DA December 1, 1974
UF *Ratemeters (Exposure)*
BT1 Radiation Monitors
BT2 Monitors
BT3 Measuring Instruments
RT Counting Ratemeters
RT Radiation Monitoring

EXTENDED PARTICLE MODEL [01]
DA December 1, 1974
BT1 Particle Models
BT2 Mathematical Models
NT1 Bag Model
NT1 String Models
NT2 Superstring Models
RT Solitons

EXTENSIVE AIR SHOWERS [01]
DA December 1, 1974
BT1 Cosmic Showers
BT2 Secondary Cosmic Radiation
BT3 Cosmic Radiation
BT4 Ionizing Radiations
BT5 Radiations
BT2 Showers
RT Centauro-Type Events

EXTENSOMETERS [01]
DA December 1, 1974
RT Dilatometry
RT Strain Gages

EXTERNAL CONVERSION [01]
DA December 1, 1974
BT1 Conversion
RT Energy Levels

EXTERNAL IRRADIATION [01]
DA December 1, 1974
BT1 Irradiation
NT1 Extracorporeal Irradiation
NT1 Partial Body Irradiation
NT1 Whole Body Irradiation
RT Irradiation Devices
RT Irradiation Plants
RT Irradiation Procedures
RT Local Fallout
RT Local Irradiation
RT Personnel Dosimetry
RT Radiation Protection
RT Radioactive Clouds
RT Shielding

EXTERNAL RECEIVERS
DA February 9, 1982
BT1 Solar Receivers
DEF Solar receivers with absorbers on the outside surface

EXTERNAL ZONES [01]
(Areas immediately surrounding nuclear facility sites in which population distribution and density and land and water uses are considered with respect to the possibility of implementing emergency measures.)
DA June 14, 1984
RT Evacuation
RT Land Use
RT Nuclear Facilities
RT Population Relocation
RT Reactor Sites
RT Routing
RT Site Selection
RT Water Use

Extinguishment
DA January 26, 1976
USE Inhibition

EXTRACELLULAR SPACE [01]
DA December 1, 1974
BT1 Space
RT Compartments
RT Edema

EXTRACORPOREAL IRRADIATION [01]
DA December 1, 1974
BT1 External Irradiation
BT2 Irradiation
RT Blood

EXTRACTION [01]
DA April 30, 1976
BT1 Separation Processes
NT1 Deasphalting
NT1 Reductive Extraction
NT1 Solvent Extraction
NT2 CMPO
NT2 PHENOSOLVAN Process
NT2 Supercritical Gas Extraction

Extraction (Beam)
DA December 1, 1974
USE Beam Extraction

Extraction (Heat)
DA August 19, 1976
USE Heat Extraction

Extraction (Solvent)
DA December 1, 1974
USE Solvent Extraction

EXTRACTION APPARATUSES [01]
DA December 1, 1974
UF *Centrifugal Contactors*
BT1 Separation Equipment
NT1 Extraction Columns
NT1 Mist Extractors
NT1 Mixer Settlers
NT1 Pulsatorack Contactors
RT Entrainment
RT Laboratory Equipment
RT Solvent Extraction

EXTRACTION CHROMATOGRAPHY [01]
DA December 1, 1974
BT1 Chromatography
BT2 Separation Processes
RT Partition

EXTRACTION COLUMNS [01]
DA December 1, 1974
UF Cascade (Extraction)
UF Chromatographic Columns
UF Columns (Extraction)
UF Pulse Columns
UF Towers (Extraction)
BT1 Extraction Apparatuses
BT2 Separation Equipment
RT Column Packing

EXTRACTIVE METALLURGY [01]
DA December 1, 1974
BT1 Metallurgy
NT1 Hydrometallurgy
NT1 Pyrometallurgy
NT2 Chloride Volatility Process
NT2 Fluoride Volatility Process
RT Electrometallurgy
RT Refining

Extrahigh Voltage Alternating Current Systems
DA May 17, 1976
USE EHV AC Systems

Extrahigh Voltage Direct Current Systems
DA May 17, 1976
USE EHV DC Systems

EXTRAPOLATION [01]
DA December 1, 1974
BT1 Numerical Solution
RT Extrapolation Length
RT Interpolation
RT Mathematics

EXTRAPOLATION CHAMBERS [01]
DA December 1, 1974
BT1 Dosimeters
BT2 Measuring Instruments
BT1 Ionization Chambers
BT2 Radiation Detectors
BT3 Measuring Instruments

EXTRAPOLATION LENGTH [01]
DA December 1, 1974
BT1 Length
BT2 Dimensions
RT Extrapolation
RT Neutron Transport Theory

EXTREME ULTRAVIOLET RADIATION [01]
(Wavelength range 400-100 A.)
DA December 1, 1974
UF XUV
BT1 Ultraviolet Radiation
BT2 Electromagnetic Radiation
BT3 Radiations
RT Extreme Ultraviolet Spectra

EXTREME ULTRAVIOLET SPECTRA [01]
DA November 20, 1986
BT1 Ultraviolet Spectra
BT2 Spectra
RT Absorption Spectroscopy
RT Electronic Structure
RT Emission Spectroscopy
RT Extreme Ultraviolet Radiation
RT Structural Chemical Analysis

EXTREME-VALUE PROBLEMS [01]
DA November 1, 1976
RT Mathematics

Extremely High Frequency Radiation
DA December 1, 1974
USE Microwave Radiation

EXTRUSION [01]
DA December 1, 1974
BT1 Materials Working
BT2 Fabrication
NT1 Coextrusion
RT Cold Working
RT Dies
RT Hot Working
RT Presses
RT Pressing

Exxon Donor Solvent Liquefaction
DA October 27, 1980
USE Exxon Liquefaction Process

EXXON FUEL FABRICATION FACILITY [01]
DA December 1, 1974
BT1 Fuel Fabrication Plants
BT2 Nuclear Facilities

EXXON GASIFICATION PROCESS
DA September 14, 1976
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes
RT SNG Processes
DEF Coal is reacted with steam in a fluidized bed gasifier at 1500-1700°F. To provide the necessary heat, a stream of circulating char is withdrawn from the gasifier and partially burned with air in a char heater to raise its temperature. The heated char is returned to the gasifier after separation from the flue gas. The product gas is a medium Btu gas suitable for methanation to SNG.

EXXON LIQUEFACTION PROCESS
DA September 14, 1976
UF *EDS Liquefaction*
UF *Exxon Donor Solvent Liquefaction*
BT1 Coal Liquefaction
BT2 Liquefaction
BT3 Thermochemical Processes
DEF Crushed coal is slurried with a recycle solvent preheated to about 800°F and then pumped into the liquefaction reactor operating at about 2,000 p.s.i. Preheated hydrogen is also added to the reactor. The product from the liquefaction reactor is sent to the separation step where gas, naphtha, recycle solvent distillate and heavy bottoms are separated by distillation.

Exxon Nuclear Facility
DA April 14, 1980
SEE Nuclear Fuel Recovery and Recycling Center

Exxon Recovery and Recycle Plant
(Nuclear facility in Roane County, Tennessee, USA.)
DA May 9, 1984
USE Nuclear Fuel Recovery and Recycling Center

Eye Cataracts
DA December 1, 1974
USE Cataracts

EYES [01]
DA December 1, 1974
UF *Sclera*
UF *Aqueous Humor*
BT1 Face

BT2 Head
BT3 Body Areas
BT4 Body
BT1 Sense Organs
BT2 Organs
BT3 Body
NT1 Conjunctiva
NT1 Cornea
NT1 Crystalline Lens
NT1 Lacrimal Ducts
NT1 Retina
NT1 Uvea
RT Ophthalmology
RT Vision

Ezeiza Argentina RA 3 Reactor
DA December 1, 1974
USE RA 3 Reactor

F-1 REACTOR (01)
DA October 23, 1979
BT1 Graphite Moderated Reactors
BT2 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors

F0-975 MESONS (01)
(Prior to January 1986 this concept was indexed by S 993 Resonances.)
DA January 29, 1986
UF S 993 Resonances
BT1 Scalar Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

F0-1240 MESONS (01)
DA January 29, 1986
BT1 Scalar Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

F0-1300 MESONS (01)
DA January 29, 1986
BT1 Scalar Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

F0-1500 MESONS (01)
DA February 1, 1988
BT1 Scalar Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

F0-1730 MESONS (01)
DA February 1, 1988
BT1 Scalar Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

F1-1285 MESONS (01)
(Prior to January 1986 this concept was indexed by D 1285 RESONANCES.)
DA January 29, 1986
UF *D 1285 Resonances*
BT1 Axial Vector Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

F1-1420 MESONS (01)
(Prior to January 1986 this concept was indexed by E 1422 RESONANCES.)
DA January 29, 1986
UF *E 1422 Resonances*
BT1 Axial Vector Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

F1-1530 MESONS (01)
DA February 1, 1988
BT1 Axial Vector Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

F1 LAYER (01)
DA December 1, 1974
BT1 F Region
BT2 Ionosphere
BT3 Earth Atmosphere
BT3 Planetary Ionospheres

F2-1270 MESONS (01)
(Prior to January 1986 this concept was indexed by F 1260 RESONANCES.)
DA January 29, 1986
UF *F 1260 Resonances*
BT1 Tensor Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

F2-1410 MESONS (01)
DA January 29, 1986
BT1 Tensor Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

F2-1525 MESONS (01)
(Prior to February 1988 this concept was indexed by F 1514 RESONANCES.)
DA February 1, 1988
UF *F 1514 Resonances*
BT1 Strangeonium
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles
BT2 Quarkonium
BT1 Tensor Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

F2-1720 MESONS (01)
(Prior to February 1988 this concept was indexed by THETA 1640 RESONANCES.)
DA February 1, 1988
UF *Theta 1640 Resonances*
BT1 Tensor Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

F2-1810 MESONS (01)
DA February 1, 1988
BT1 Tensor Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

F2-2150 MESONS (01)
DA February 1, 1988
BT1 Tensor Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

F2-2240 MESONS (01)
DA February 1, 1988
BT1 Tensor Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

F2 LAYER (01)
DA December 1, 1974
BT1 F Region
BT2 Ionosphere
BT3 Earth Atmosphere
BT3 Planetary Ionospheres

F4-2050 MESONS (01)
(Prior to February 1988 this concept was indexed by H 2050 RESONANCES.)
DA February 1, 1988
UF *H 2050 Resonances*
BT1 Tensor Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

F4-2300 MESONS (01)
(Prior to February 1988 this concept was indexed by U 2375 RESONANCES.)
DA February 1, 1988
UF *U 2375 Resonances*
BT1 Tensor Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

F0-2510 MESONS (01)
DA February 1, 1988
BT1 Tensor Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

F 1260 Resonances
(Prior to January 1986 this was a valid descriptor.)
DA December 1, 1974
USE F2 1270 Mesons

F 1514 Resonances
(Prior to February 1988 this was a valid descriptor.)
DA December 1, 1974
USE F2 1525 Mesons

F 1640 Resonances
DA December 1, 1974
USE Mesons

F 2030 Resonances
(This was a valid descriptor prior to Jan. 1985.)
DA September 11, 1978
USE D S Mesons

F CENTERS (01)
DA December 1, 1974
BT1 Color Centers
BT2 Vacancies
BT3 Point Defects
BT4 Crystal Defects
BT5 Crystal Structure

F-CHART (01)
DA October 23, 1979
RT Performance
RT Solar Collectors
RT Solar Heating Systems
RT Solar Water Heaters
DEF Performance measure used to determine fraction of total heating load provided by a particular solar collector

F CODES (01)
DA December 1, 1974
BT1 Computer Codes

F Mesons
(Prior to January 1985 this information was indexed with the descriptor F 2030 RESONANCES. From January 1985 to October 1991, this was a valid descriptor.)
DA February 7, 1985
USE D S Mesons

F REGION [01]
DA December 1, 1974
BT1 Ionosphere
BT2 Earth Atmosphere
BT2 Planetary Ionospheres
NT1 F1 Layer
NT1 F2 Layer
NT1 Spread F
RT Ionospheric Storms

*F*Resonances*
(Prior to February 1988 this was a valid descriptor.)
DA September 11, 1978
USE D*S-2110 Mesons

F STATES [01]
DA December 1, 1974
BT1 Energy Levels

F WAVES [01]
DA December 1, 1974
BT1 Partial Waves
RT Angular Momentum
RT Quantum Mechanics

FABRIC FILTERS [01]
DA October 23, 1978
BT1 Filters
RT Baghouses
RT Dust Collectors
RT Pollution Control Equipment

FABRICATION [01]
(Limited to the concepts of shaping and manufacturing, use of a more specific term is recommended, for large scale building see CONSTRUCTION.)
DA December 1, 1974
UF *Building (Manufacturing)*
NT1 Casting
NT2 Electroslag Casting
NT2 Slip Casting
NT2 Vacuum Casting
NT1 Joining
NT2 Bonding
NT3 Self-Welding
NT2 Fastening
NT2 Welding
NT3 Arc Welding
NT4 Gas Metal-Arc Welding
NT5 Gas Tungsten-Arc Welding
NT4 Plasma Arc Welding
NT4 Shielded Metal-Arc Welding
NT4 Submerged Arc Welding
NT3 Brazing
NT3 Diffusion Welding
NT3 Electron Beam Welding
NT3 Electroslag Welding
NT3 Explosion Welding
NT3 Forge Welding
NT3 Friction Welding
NT3 Gas Welding
NT3 Induction Welding
NT3 Laser Welding
NT3 Magnetic Force Welding
NT3 Resistance Welding
NT4 Flash Welding
NT4 Projection Welding
NT3 Soldering
NT3 Ultrasonic Welding
NT3 Vacuum Welding
• NT1 Materials Working
NT1 Molding
NT2 Briquetting
NT2 Pelletizing
NT1 Sintering
RT Compacting
RT Computer-Aided Manufacturing
RT Fuel Fabrication Plants
RT Manufacturing
RT Production

FABRY-PEROT INTERFEROMETER [01]
DA December 1, 1974
BT1 Interferometers
BT2 Measuring Instruments

FACE [01]
DA December 1, 1974
BT1 Head
BT2 Body Areas
BT3 Body
NT1 Eyes
NT2 Conjunctiva
NT2 Cornea
NT2 Crystalline Lens
NT2 Lacrimal Ducts
NT2 Retina
NT2 Uvea
NT1 Nose
RT Oral Cavity
RT Respirators

Face Centered Cubic
DA December 1, 1974
USE Fcc Lattices

Facilities (Accelerator)
DA January 9, 1981
USE Accelerator Facilities

Facilities (Educational)
DA January 9, 1981
USE Educational Facilities

Facilities (Energy)
DA January 9, 1981
USE Energy Facilities

Facilities (Maintenance)
DA June 13, 1981
USE Maintenance Facilities

Facilities (Military)
DA January 9, 1981
USE Military Facilities

Facilities (Nuclear)
DA January 9, 1981
USE Nuclear Facilities

Facilities (Resource Recovery)
DA January 9, 1981
USE Resource Recovery Facilities

Facilities (Storage)
DA January 9, 1981
USE Storage Facilities

Facilities (Terminal)
DA January 9, 1981
USE Terminal Facilities

Facilities (Test)
DA January 9, 1981
USE Test Facilities

Facilities (Underwater)
DA January 9, 1981
USE Underwater Facilities

•**FACOM COMPUTERS [01]**
DA October 9, 1990
BT1 Computers

FACTORIZATION [01]
DA December 1, 1974
RT Mathematics

FACULAE [01]
DA December 1, 1974
BT1 Solar Activity
RT Photosphere
RT Plages

FADDEEV EQUATIONS [01]
DA December 1, 1974
BT1 Equations
RT Lippmann-Schwinger Equation
RT Multiple Scattering
RT Three-Body Problem

FAEROE ISLANDS [01]
DA December 1, 1974
UF *Faroe Islands*
BT1 Islands
RT Atlantic Ocean
RT Denmark

FAILED ELEMENT DETECTION [01]
DA December 1, 1974
UF *Burst Can Detection*
UF *Burst Slug Detection*
UF *Detection (Failed Element)*
UF *FEDAL*
BT1 Detection
RT Failed Element Monitors
RT Fuel Cans
RT Fuel Element Failure
RT Fuel Elements
RT Fuel Motion Detection

FAILED ELEMENT MONITORS [01]
DA December 1, 1974
UF *Burst Can Monitors*
UF *Burst Slug Monitors*
UF *Monitors (Failed Elements)*
BT1 Monitors
BT2 Measuring Instruments
RT Failed Element Detection
RT Fuel Cans
RT Fuel Element Failure
RT Fuel Elements
RT Reactor Monitoring Systems

FAILURE MODE ANALYSIS [01]
DA June 30, 1976
UF *Event Tree Analysis*
BT1 System Failure Analysis
BT2 Systems Analysis
RT Markov Process
RT Reliability

FAILURES [01]
DA December 1, 1974
NT1 Fractures
NT2 Hydraulic Fractures
NT2 Thermal Fractures
NT1 Ruptures
RT Accidents
RT Amoeba Effect
RT Corrosion
RT Damage
RT Fatigue
RT Fracture Properties
RT Hazards
RT Human Factors
RT Impact Shock
RT Leaks
RT Outages
RT Reliability
RT Safety
RT Systems Analysis

FALLOUT [01]
(For radioactive fallout only.)
DA December 1, 1974
UF *Fragments (Fallout)*
UF+ *Fallout Particulates*
NT1 Fallout Deposits
NT1 Global Fallout
NT1 Local Fallout
RT Accidents
RT Aerial Monitoring
RT Aerosols
RT Air
RT Atmospheric Precipitations
RT Contamination
RT Earth Atmosphere
RT Fission Products
RT Global Aspects
RT Nuclear Explosions
RT Nuclear Weapons
RT Radiation Hazards
RT Radiation Protection
RT Radioactive Aerosols
RT Radioactive Clouds
RT Regional Analysis
RT Residence Half-Time
RT Sedimentation
RT Sunshine Project
RT Wind

FALLOUT DEPOSITS [01]
DA December 1, 1974
BT1 Fallout
RT Environment
RT Food Chains
RT Radionuclide Migration
RT Sedimentation
RT Soils

Fallout Particulates
DA December 1, 1974

USE Fallout
AND Particles

FALLOUT SHELTERS [01]
DA December 1, 1974
BT1 Shelters
RT Earth-Covered Buildings
RT Local Fallout
RT Radiation Protection
RT Subsurface Structures
RT Underground Facilities
RT Underground Space

FANO FACTOR [01]
DA December 1, 1974
RT Ionization
RT Semiconductor Materials

Fano-Lichten Model
DA December 1, 1974
USE Electron-Promotion Model

Fans
DA December 1, 1974
USE Blowers

FAO [01]
DA December 1, 1974
UF *Food and Agriculture Organization*
BT1 International Organizations
RT Agriculture
RT AGRIS
RT Food
RT United Nations

FAR INFRARED RADIATION [01]
DA December 1, 1974
BT1 Infrared Radiation
BT2 Electromagnetic Radiation
BT3 Radiations

FAR ULTRAVIOLET RADIATION [01]
(Wavelength range 2000-400 A.)
DA December 1, 1974
UF *Vacuum Ultraviolet Radiation*
BT1 Ultraviolet Radiation
BT2 Electromagnetic Radiation
BT3 Radiations

Faraday Cages
DA December 1, 1974
USE Faraday Cups

FARADAY CUPS [01]
DA December 1, 1974
UF *Faraday Cages*
BT1 Beam Monitors
BT2 Monitors
BT3 Measuring Instruments
RT Beam Currents
RT Electric Measuring Instruments

FARADAY CURRENT [01]
DA December 1, 1974
BT1 Electric Currents
BT2 Currents

FARADAY EFFECT [01]
DA December 1, 1974
UF *Faraday Rotation*
RT Electromagnetic Radiation
RT Magneto-Optical Effects
RT Polarization

Faraday Generators
DA December 1, 1974
USE MHD Generators

FARADAY INDUCTION [01]
DA December 1, 1974
BT1 Induction

FARADAY LAWS [01]
DA December 1, 1974
RT Electrolysis

FARADAY METHOD [01]
DA December 1, 1974
RT Magnetic Fields

Faraday Rotation
DA December 1, 1974
USE Faraday Effect

FARLEY-1 REACTOR [01]
(Dothan, Alabama, USA)
DA December 1, 1974
UF *Joseph M. Farley-1 Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

FARLEY-2 REACTOR [01]
(Dothan, Alabama, USA)
DA December 1, 1974
UF *Joseph M. Farley-2 Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

Farm Animals
DA December 1, 1974
USE Domestic Animals

FARM EQUIPMENT
DA June 21, 1977
BT1 Equipment
RT Farms
RT Harvesting Equipment

FARMS [01]
DA June 21, 1977
RT Agriculture
RT Biomass Plantations
RT Cooperatives
RT Farm Equipment
RT Land Use

Faroe Islands
DA December 1, 1974
USE Faeroe Islands

FASCIA [01]
DA December 1, 1974
BT1 Connective Tissue
BT2 Animal Tissues
BT3 Tissues
BT4 Body

FASCIOLA [01]
DA December 1, 1974
BT1 Trematodes
BT2 Platyhelminths
BT3 Helminths
BT4 Parasites
RT Fascioliasis

FASCIOLIASIS [01]
DA December 1, 1974
BT1 Parasitic Diseases
BT2 Infectious Diseases
BT3 Diseases
RT Fasciola

Fast Breeder Blanket Facility (FBBF)
DA November 17, 1976
USE Subcritical Assemblies

Fast Breeder Type Reactors
DA December 1, 1974
USE FBR Type Reactors

Fast Burst Reactor Facility
DA December 1, 1974
USE FBRF Reactor

Fast Experimental Breeder Reactor Japan
DA December 1, 1974
USE Joyo Reactor

FAST FISSION [01]
DA December 1, 1974
BT1 Fission
BT2 Nuclear Reactions
BT1 Neutron Reactions
BT2 Nucleon Reactions
BT3 Baryon Reactions
BT4 Hadron Reactions
BT5 Nuclear Reactions
RT Fast Fission Factor
RT Fast Neutrons

FAST FISSION FACTOR [01]
DA December 1, 1974
RT Fast Fission
RT Fast Reactors
RT Fission
RT Multiplication Factors

Fast Flux Test Facility Reactor
DA April 29, 1975
USE FFTF Reactor

FAST MAGNETOACOUSTIC WAVES [01]
DA December 1, 1974
BT1 Magnetoacoustic Waves
BT2 Hydromagnetic Waves
RT Transit-Time Magnetic Pumping

Fast-Mixed Spectrum Reactor
DA November 10, 1981
USE FBR Type Reactors
AND Mixed Spectrum Reactors

FAST NEUTRONS [01]
DA December 1, 1974
BT1 Neutrons
BT2 Nucleons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
RT Fast Fission
RT Fast Reactors
RT Nisus Facility

Fast Reactor Core Test Facility
DA December 1, 1974
USE FRCTF Reactor

FAST REACTORS [01]
DA December 1, 1974
SF *710 Reactor*
SF *FCEL Reactor*
BT1 Epithermal Reactors
BT2 Reactors
NT1 Actinide Burner Reactors
NT1 AFSR Reactor
NT1 APRF Reactor
NT1 BFS Reactor
NT1 BIGR Reactor
NT1 BIR Reactor
NT1 CFRMF Reactor
NT1 Clementine Reactor
NT1 Coral-1 Reactor
NT1 ECEL Reactor
* NT1 FBR Type Reactors
NT1 FBRF Reactor
NT1 FCA Reactor
NT1 FFTF Reactor
NT1 FR-0 Reactor
NT1 Harmonie Reactor
NT1 HPRR Reactor
NT1 IBR-2 Reactor
NT1 IBR-30 Reactor
NT1 IFR Reactor
NT1 Kalpakkam PFR Reactor
NT1 KBR-1 Reactor
NT1 LAMPRE-1 Reactor
NT1 Masurca Reactor
NT1 Purnima-2 Reactor
NT1 Purnima Reactor
NT1 SAREF Reactor
NT1 SEFOR Reactor
NT1 SNEAK Reactor
NT1 SORA Reactor
NT1 STF Reactor

NT1 Tapiro Reactor
NT1 TIBR Reactor
NT1 VERA Reactor
NT1 VIPER Reactor
NT1 WNTR Reactor
NT1 Yayoi Reactor
NT1 Zephyr Reactor
NT1 ZPPR Reactor
NT1 ZPR-3 Reactor
NT1 ZPR-6 Reactor
NT1 ZPR-9 Reactor
NT1 ZRR Reactor
RT Fast Fission Factor
RT Fast Neutrons

Fast Source Reactor AEC
DA December 1, 1974
USE AFSR Reactor

FASTBUS SYSTEM [01]
DA March 23, 1983
RT CAMAC System
RT Computers
RT Data Acquisition Systems
RT Nuclear Instrument Modules

FASTENERS [01]
DA December 1, 1974
UF *Nuts (Mechanical)*
UF *Rivets*
UF *Screws*
UF *Studs*
RT Anchors
RT Couplings
RT Fastening
RT Joining
RT Restraints

FASTENING [01]
DA December 1, 1974
UF *Anchoring*
UF *Bolting*
UF *Connecting*
UF *Riveting*
UF *Screwing*
BT1 Joining
BT2 Fabrication
RT Fasteners
RT Joints

FASTING [01]
DA December 1, 1974
UF *Starvation*
RT Biological Stress
RT Diet
RT Metabolism

FAT CELLS [01]
DA December 1, 1974
BT1 Connective Tissue Cells
BT2 Somatic Cells
BT3 Animal Cells
RT Adipose Tissue

FATHEAD MINNOW [01]
DA August 20, 1984
UF *Pimephales Promelas*
BT1 Fishes
BT2 Aquatic Organisms
BT2 Vertebrates
BT3 Animals
RT Fresh Water
RT Ichthyoplankton

FATIGUE [01]
DA December 1, 1974
BT1 Mechanical Properties
NT1 Corrosion Fatigue
NT1 Thermal Fatigue
RT Crack Propagation
RT Damage
RT Failures
RT S-N Diagram

Fatigue (Biological)
DA December 1, 1974
USE Biological Fatigue

FATS [01]
DA December 1, 1974
NT1 Butter Fat
RT Adipose Tissue
RT Food
RT Lipids

Fatty Acids
DA December 1, 1974
USE Carboxylic Acids

Faucets (Water)
DA June 21, 1977
USE Water Faucets

FAUJASITE
DA July 18, 1979
BT1 Zeolites
BT2 Inorganic Ion Exchangers
BT3 Ion Exchange Materials
BT4 Materials
BT2 Silicate Minerals
BT3 Minerals

FAULT TOLERANT COMPUTERS [01]
(Systems which have the ability to produce correct results even in the presence of a fault.)
DA January 14, 1986
BT1 Digital Computers
BT2 Computers
RT Computerized Control Systems
RT Programming
RT Reliability
DEF Systems which have the ability to produce correct results even in the presence of a fault.

FAULT TREE ANALYSIS [01]
DA December 1, 1974
UF *Fault Tree Systems*
BT1 System Failure Analysis
BT2 Systems Analysis
RT Control
RT Monte Carlo Method
RT Planning
RT Statistics

Fault Tree Systems
DA December 1, 1974
USE Fault Tree Analysis

FAULTLESS EVENT [01]
DA December 1, 1974
BT1 Crosstie Operation
BT2 Nuclear Explosions
BT3 Explosions
BT2 Underground Explosions
BT3 Explosions
RT Seismology

Faure Cyclotron
DA July 7, 1983
USE NAC Cyclotron

FBH Process
DA January 26, 1976
USE Fluidized Bed Hydrogenation Process

FBI
DA December 10, 1979
USE Federal Bureau of Investigation

FBR TYPE REACTORS [01]
DA December 1, 1974
UF *Fast Breeder Type Reactors*
UF+ *Fast-Mixed Spectrum Reactor*
BT1 Breeder Reactors
BT2 Reactors
BT1 Fast Reactors
BT2 Epithermal Reactors
BT3 Reactors
NT1 AIPFR Reactor
NT1 CDFR Reactor
NT1 DFR Reactor
NT1 GCFR Type Reactors
NT2 GCFR Reactor
NT1 Joyo Reactor
* NT1 LMFBR Type Reactors
NT1 Monju Reactor
NT1 PEC Brasimone Reactor
NT1 PFR Reactor
NT1 Rapsodie Reactor
NT1 ZEBRA Reactor
RT CIVEX Process
RT Heterogeneous Reactor Cores
RT Power Reactors

FBRF REACTOR [01]
DA December 1, 1974
UF *Fast Burst Reactor Facility*
BT1 Fast Reactors
BT2 Epithermal Reactors
BT3 Reactors
BT1 Pulsed Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors

FCA REACTOR [01]
DA December 1, 1974
UF *Tokai-Mura Fast Critical Assembly*
BT1 Fast Reactors
BT2 Epithermal Reactors
BT3 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

FCC LATTICES [01]
DA December 1, 1974
UF *Face Centered Cubic*
BT1 Cubic Lattices
BT2 Crystal Lattices
BT3 Crystal Structure

FCEL Reactor
DA May 5, 1975
SEE Fast Reactors
OR Zero Power Reactors

FCT
DA August 7, 1979
USE Flux Conserving Tokamaks

FDR Reactor
DA April 29, 1975
USE Otto Hahn Reactor

FEASIBILITY STUDIES [01]
DA December 1, 1974
RT Bench-Scale Experiments
RT Commercialization
RT Comparative Evaluations
RT Design
RT Economics
RT Efficiency
RT Mission Analysis
RT Performance
RT Planning
RT Productivity
RT Technology Assessment
RT Technology Utilization
RT Testing

FEATHERS [01]
DA December 1, 1974
RT Birds
RT Skin

FECES [01]
DA December 1, 1974
BT1 Biological Wastes
BT2 Biological Materials
BT3 Materials
BT2 Wastes
RT Body Fluids
RT Excretion
RT Large Intestine
RT Proteus
RT Rectum

FEDAL
DA December 1, 1974
USE Failed Element Detection

Federal Assistance Programs
(Prior to February 1992 this was a valid descriptor.)
DA October 20, 1977
USE US Federal Assistance Programs

Federal Aviation Administration
DA September 13, 1978
USE US FAA

Federal Buildings
(Prior to January 1993, this was a valid descriptor.)
DA February 23, 1979
USE Government Buildings

FEDERAL BUREAU OF INVESTIGATION
DA December 10, 1979
UF *FBI*
BT1 US DOJ
BT2 US Organizations
BT3 National Organizations

Federal Driving Cycle
DA November 12, 1975
USE Federal Test Procedure

Federal Emergency Management Agency
DA February 10, 1984
USE US FEMA

Federal Energy Administration
DA May 15, 1975
USE US FEA

Federal Energy Regulatory Commission
DA February 14, 1978
USE US FERC

FEDERAL EXPENDITURES
DA August 25, 1980
UF *Government Spending*
RT National Government
RT US Federal Assistance Programs

Federal Government
DA March 4, 1980
SEE National Government

Federal Power Commission
(Prior to February 1992 this was a valid descriptor.)
DA October 13, 1976
USE US Federal Power Commission

FEDERAL RADIATION COUNCIL [01]
DA January 28, 1975
UF *FRC*
BT1 US Organizations
BT2 National Organizations
RT Radiation Protection

Federal Region I
(Prior to June 1982 this concept was indexed to NORTH ATLANTIC REGION. From June 1982 to February 1992 this was a valid descriptor.)
DA June 7, 1982
USE USA

Federal Region II
(Prior to June 1982, this concept was indexed to MID-ATLANTIC REGION. From June 1982 to April 1992 this was a valid descriptor.)
DA June 7, 1982
USE USA

Federal Region III
(Prior to June 1982 this concept was indexed to CENTRAL REGION. From June 1982 to April 1992 this was a valid descriptor.)
DA June 7, 1982
USE USA

Federal Region IV
(Prior to June 1982 this concept was indexed to SOUTHEAST REGION. From June 1982 to April 1992 this was a valid descriptor.)
DA June 7, 1982
USE USA

Federal Region IX
(Prior to June 1982 this concept was indexed to WESTERN REGION. From June 1982 to April 1993 this was a valid descriptor.)
DA June 7, 1982
USE USA

Federal Region V
(Prior to June 1982 this concept was indexed to GREAT LAKES REGION. From June 1982 to April 1992 this was a valid descriptor.)
DA June 7, 1982
USE USA

Federal Region VI
(Prior to June 1982 this concept was indexed to SOUTHWEST REGION. From June 1982 to April 1993 this was a valid descriptor.)
DA June 7, 1982
USE USA

Federal Region VII
(Prior to June 1982 this concept was indexed to MIDWEST REGION. From June 1982 to April 1993 this was a valid descriptor.)
DA June 7, 1982
USE USA

Federal Region VIII
(Prior to June 1982 this concept was indexed to ROCKY MOUNTAIN REGION. From June 1982 to April 1993 this was a valid descriptor.)
DA June 7, 1982
USE USA

Federal Region X
(Prior to June 1982 this concept was indexed to PACIFIC NORTHWEST REGION. From June 1982 to April 1993 this was a valid descriptor.)
DA June 7, 1982
USE USA

FEDERAL REPUBLIC OF GERMANY [01]
DA October 23, 1979
UF *German Democratic Republic*
UF *German Federal Republic*
UF *Germany*
UF *Germany (Democratic Republic)*
UF *Germany (Federal Republic)*
UF *West Germany*
BT1 Developed Countries
BT1 Western Europe
BT2 Europe
RT Alps
RT Asse Salt Mine
RT Erzgebirge Deposit
RT German FR Organizations
RT OECD
RT Rhine River
RT Urach Geothermal Field

FEDERAL TEST PROCEDURE
DA November 11, 1975
UF *Federal Driving Cycle*
RT Engines
RT Exhaust Gases
RT Performance Testing
RT Pollution Regulations
DEF Test procedures for exhaust emissions and fuel economy.

Federal Water Pollution Control Act
(Prior to April 1980, this was a valid descriptor.)
DA June 7, 1976
USE Clean Water Acts

Federation of Malaya
DA December 1, 1974
USE Malaysia

FEED MATERIALS PLANTS [01]
DA June 30, 1975
UF *Uranium Mills*
BT1 Industrial Plants
BT1 Nuclear Facilities
NT1 Anaconda Uranium Mill
NT1 Feed Materials Production Center
NT1 Highland Uranium Mill
NT1 Shirley Basin Uranium Mill
NT1 West Valley UF6 Facility
RT Fuel Cycle Centers
RT Uranium
RT Uranium Concentrates

FEED MATERIALS PRODUCTION CENTER [01]
(Fernald, Ohio.)
DA December 1, 1974
UF *Fernald Production Plant*
BT1 Feed Materials Plants
BT2 Industrial Plants
BT2 Nuclear Facilities
BT1 US AEC
BT2 US Organizations
BT3 National Organizations
BT1 US DOE
BT2 US Organizations
BT3 National Organizations
BT1 US ERDA
BT2 US Organizations
BT3 National Organizations
RT Ohio

FEEDBACK [01]
DA December 1, 1974
RT Control Theory
RT Forcing Functions
RT Nyquist Diagrams
RT Servomechanisms

FEEDING [01]
DA June 16, 1975
NT1 Grazing
RT Diet
RT Food
RT Nutrients

FEEDWATER [01]
DA December 1, 1974
BT1 Water
BT2 Hydrogen Compounds
BT2 Oxygen Compounds
RT Auxiliary Water Systems
RT Boilers
RT Deaerators
RT Demineralization
RT Feedwater Heaters
RT Reactor Cooling Systems
RT Steam Generators

FEEDWATER HEATERS [01]
DA December 1, 1974
BT1 Heaters
RT Feedwater
RT Reactor Cooling Systems

Fees
DA December 1, 1974
USE Charges

FEET [01]
DA December 1, 1974
BT1 Legs
BT2 Limbs
BT3 Body Areas
BT4 Body

FEINBERG-PAIS THEORY [01]
DA December 1, 1974
UF *Peratization Procedure*
RT Leptons
RT Weak Interactions

FELDSPARS [01]
DA December 1, 1974
BT1 Silicate Minerals
BT2 Minerals
NT1 Albite
NT1 Anorthite
NT1 Microcline
NT1 Orthoclase
RT Anorthosites
RT Aplites
RT Basalt
RT Gabbros

RT Granodiorites
RT Pegmatites
RT Quartz Monzonite
RT Rhyolites
RT Shales
RT Syenites
DEF A group of abundant rock-forming minerals of general formula: $MAl(Al,Si)_3O_8$, where M=K,Na,Ca,Ba,Rb,Sr,and Fe.

FELIX FACILITY [01]
DA June 20, 1983
UF *Fusion Electromagnetic Induction Experiment*
BT1 Test Facilities
RT Thermonuclear Reactors
DEF FELIX is an experimental test facility at Argonne National Laboratory, USA, for the study of electromagnetic effects in the fusion reactor materials.

FEMALE GENITALS [01]
DA December 1, 1974
UF *Genitals (Female)*
UF *Vagina*
BT1 Organs
BT2 Body
NT1 Ovaries
NT1 Uterus
RT Estrous Cycle
RT Fertility
RT Gonads
RT Gynecology
RT Menstrual Cycle
RT Menstruation Disorders
RT Pelvis
RT Reproduction
RT Sex
RT Urogenital System Diseases

FEMALES [01]
DA December 1, 1974
NT1 Women
RT Animals
RT Sex
RT Sex Dependence

FEMUR [01]
DA December 1, 1974
BT1 Skeleton
BT2 Organs
BT3 Body
RT Legs

FERC GAS AREAS
DA December 10, 1979
UF *FPC Gas Areas*
RT Natural Gas Distribution Systems
RT Natural Gas Industry
RT US FERC

FERGHANITE [01]
DA December 1, 1974
BT1 Oxide Minerals
BT2 Minerals
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
BT1 Uranium Oxides
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT2 Uranium Compounds
BT3 Actinide Compounds
BT1 Vanadium Oxides
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT2 Vanadium Compounds
BT3 Transition Element Compounds

FERMAT PRINCIPLE [01]
DA December 1, 1974
RT Wave Propagation

FERMENTATION [01]
DA December 1, 1974
SF *Microbial Processes*
BT1 Bioconversion
NT1 Vacuum Fermentation
RT Anaerobic Digestion
RT Batch Culture
RT Biochemistry
RT Biothermohol Process
RT Cell Recycle
RT Chemical Reactions
RT Clostridium Thermocellum
RT Continuous Culture
RT Distillers Dried Grains
RT Mesophilic Conditions
RT Saccharification
RT Semibatch Culture
RT Stillage
RT Thermophilic Conditions

Fermentation Alcohol
DA December 1, 1974
USE Ethanol

Fermi Age
DA December 1, 1974
USE Fermi Age Theory
AND Neutron Age

FERMI AGE THEORY [01]
DA December 1, 1974
UF+ *Fermi Age*
BT1 Neutron Slowing-Down Theory
RT Neutron Age
RT Slowing-Down

Fermi Beta Theory
DA December 1, 1974
USE Fermi Interactions

Fermi Constants
DA December 1, 1974
USE Fermi Interactions

Fermi Diagram
DA December 1, 1974
USE Fermi Plot

Fermi-Dirac Gas
DA December 1, 1974
USE Fermi Gas

Fermi-Dirac Statistics
DA May 19, 1976
USE Fermi Statistics

Fermi Fluid
DA December 1, 1974
USE Fermi Gas

FERMI GAS [01]
DA December 1, 1974
UF *Fermi-Dirac Gas*
UF *Fermi Fluid*
UF *Fermi Liquid*
BT1 Gases
BT2 Fluids
RT Bose-Einstein Gas
RT Electron Gas
RT Fermi Statistics

FERMI GAS MODEL [01]
DA December 1, 1974
BT1 Nuclear Models
BT2 Mathematical Models

FERMI INTERACTIONS [01]
DA December 1, 1974
UF *Fermi Beta Theory*
UF *Fermi Constants*
UF *Fermi Pseudopotential*
UF *Fermi-Weizsaecker Formula*
UF *Four-Fermion Interaction*
BT1 Weak Interactions
BT2 Basic Interactions
BT3 Interactions
RT Primakoff Theory
RT V-A Theory

Fermi-Kurie Plot
DA December 1, 1974
USE Fermi Plot

FERMI LEVEL [01]
DA December 1, 1974
UF *Fermi Surface*
BT1 Energy Levels
RT Band Theory
RT Cooper Pairs
RT Photo-Induced Transient Spectroscopy

Fermi Liquid
DA December 1, 1974
USE Fermi Gas

FERMI PLOT [01]
DA December 1, 1974
UF *Fermi Diagram*
UF *Fermi-Kurie Plot*
UF *Kurie Plot*
BT1 Diagrams
RT Beta Decay

Fermi Pseudopotential
DA December 1, 1974
USE Fermi Interactions

FERMI RESONANCE [01]
DA December 1, 1974
BT1 Resonance

FERMI-SEGRE FORMULA [01]
DA December 1, 1974
RT Magnetic Moments

FERMI STATISTICS [01]
DA October 28, 1975
UF *Fermi-Dirac Statistics*
RT Bose-Einstein Statistics
RT Fermi Gas
RT Fermions
RT Parastatistics
RT Statistical Mechanics

Fermi Surface
DA December 1, 1974
USE Fermi Level

Fermi-Thomas Model
DA December 1, 1974
USE Thomas-Fermi Model

Fermi-Weizsaecker Formula
DA December 1, 1974
USE Fermi Interactions

FERMILAB ACCELERATOR [01]
(Facility at Fermi National Accelerator Laboratory, Batavia, Illinois, includes main synchroton, booster synchrotron, and linac.)
DA November 11, 1975
UF *NAL Synchrotron*
UF *National Accelerator Laboratory*
BT1 Synchrotrons
BT2 Cyclic Accelerators
BT3 Accelerators
RT Fermilab Tevatron
RT POPAE Storage Ring

→**FERMILAB COLLIDER DETECTOR [01]**
(Prior to January 1992, this subject was indexed to CDF.)
DA January 16, 1992
UF *CDF*
UF *Collider Detector at Fermilab*
RT Drift Chambers
RT Projection Spark Chambers
RT Shower Counters

FERMILAB TEVATRON [01]
DA March 6, 1984
UF *Tevatron*
BT1 Synchrotrons
BT2 Cyclic Accelerators
BT3 Accelerators
RT Fermilab Accelerator
DEF TeV range proton synchrotron at Fermi National Accelerator Laboratory.

Fermion-Boson Symmetry
DA December 26, 1984
USE Boson-Fermion Symmetry

FERMIONS [01]
DA December 1, 1974
* NT1 Baryons
* NT1 Leptons
NT1 Quarks
RT Boson-Fermion Symmetry
RT Fermi Statistics

FERMIUM [01]
DA December 1, 1974
BT1 Actinides
BT2 Metals
BT3 Elements
BT1 Transplutonium Elements
BT2 Transuranium Elements
BT3 Elements

FERMIUM 242 [01]
DA November 26, 1975
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Fermium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Microsec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

FERMIUM 243 [01]
DA March 11, 1982
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Fermium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

FERMIUM 244 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Fermium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

FERMIUM 245 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Fermium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

FERMIUM 246 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Fermium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

FERMIUM 247 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Fermium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

FERMIUM 248 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Fermium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

FERMIUM 249 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Fermium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

FERMIUM 250 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Fermium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

FERMIUM 251 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Fermium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

FERMIUM 252 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Fermium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

FERMIUM 253 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Fermium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

FERMIUM 253 TARGET [01]
DA May 23, 1980
BT1 Targets

FERMIUM 254 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei

BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Fermium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

FERMIUM 254 TARGET [01]
DA July 9, 1976
BT1 Targets

FERMIUM 255 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Fermium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

FERMIUM 255 TARGET [01]
DA July 9, 1976
BT1 Targets

FERMIUM 256 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Fermium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Nanosec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

FERMIUM 256 TARGET [01]
DA May 23, 1980
BT1 Targets

FERMIUM 257 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Fermium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

FERMIUM 257 TARGET [01]
DA July 12, 1976
BT1 Targets

FERMIUM 258 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Fermium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Microsec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

FERMIUM 258 TARGET [01]
DA May 23, 1980
BT1 Targets

FERMIUM 259 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Fermium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

FERMIUM 259 TARGET [01]
DA May 23, 1980
BT1 Targets

FERMIUM 260 TARGET [01]
DA May 23, 1980
BT1 Targets

FERMIUM BROMIDES [01]
DA October 2, 1987
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Fermium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds

FERMIUM CARBIDES [01]
DA December 1, 1974
BT1 Carbides
BT2 Carbon Compounds
BT1 Fermium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds

FERMIUM CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Fermium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds

FERMIUM COMPLEXES [01]
DA December 1, 1974
BT1 Actinide Complexes
BT2 Complexes
BT1 Transuranium Complexes

FERMIUM COMPOUNDS [01]
DA December 1, 1974
BT1 Actinide Compounds
BT1 Transplutonium Compounds
BT2 Transuranium Compounds
NT1 Fermium Bromides
NT1 Fermium Carbides
NT1 Fermium Chlorides
NT1 Fermium Iodides
NT1 Fermium Nitrides
NT1 Fermium Oxides
NT1 Fermium Sulfides

FERMIUM IODIDES [01]
DA October 2, 1987
BT1 Fermium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds

FERMIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

FERMIUM ISOTOPES [01]
DA December 1, 1974
BT1 Actinide Isotopes
BT2 Isotopes
NT1 Fermium 242
NT1 Fermium 243
NT1 Fermium 244
NT1 Fermium 245
NT1 Fermium 246
NT1 Fermium 247
NT1 Fermium 248
NT1 Fermium 249
NT1 Fermium 250
NT1 Fermium 251
NT1 Fermium 252
NT1 Fermium 253
NT1 Fermium 254
NT1 Fermium 255
NT1 Fermium 256
NT1 Fermium 257
NT1 Fermium 258
NT1 Fermium 259

FERMIUM NITRIDES [01]
DA December 1, 1974
BT1 Fermium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides

FERMIUM OXIDES [01]
DA December 1, 1974
BT1 Fermium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds

FERMIUM SULFIDES [01]
DA December 1, 1974
BT1 Fermium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds

Fernald Production Plant
DA March 11, 1991
USE Feed Materials Production Center

FERNS [01]
DA December 1, 1974
BT1 Plants

FERRANTI COMPUTERS [01]
DA December 1, 1974
BT1 Computers

FERRATES [01]
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
DA December 1, 1974
BT1 Iron Compounds
BT2 Transition Element Compounds
BT1 Oxygen Compounds
RT Iron Oxides

FERREDOXIN [01]
DA July 6, 1978
BT1 Metalloproteins
BT2 Proteins
BT3 Organic Compounds
RT Rubredoxin

Ferric Compounds
DA December 1, 1974
USE Iron Compounds

FERRICYANIDES [01]
DA December 1, 1974
BT1 Iron Complexes
BT2 Transition Element Complexes
BT3 Complexes

FERRIMAGNETIC MATERIALS [01]
DA December 1, 1974
UF *Materials (Ferrimagnetic)*
BT1 Magnetic Materials
BT2 Materials
NT1 Ferrites
RT Ferrimagnetic Resonance
RT Ferrimagnetism
RT Ferrite Garnets
RT Perovskites

FERRIMAGNETIC RESONANCE [01]
DA October 19, 1977
BT1 Magnetic Resonance
BT2 Resonance
RT Ferrimagnetic Materials
RT Ferrimagnetism

FERRIMAGNETISM [01]
DA December 1, 1974
BT1 Magnetism
RT Antiferromagnetism
RT Ferrimagnetic Materials
RT Ferrimagnetic Resonance
RT Ferromagnetism

FERRITE [01]
DA December 1, 1974
BT1 Carbon Additions
BT2 Alloys
BT1 Iron Alloys
BT2 Alloys
RT Ferritic Steels
RT Iron-Alpha
RT Magnetite
RT Martensite
RT Pearlite
RT Solid Solutions
RT Steel-Cr2MoNiNb
RT Steels
DEF A solid solution of carbon in alpha-iron.

FERRITE GARNETS [01]
DA December 1, 1974
UF *Iron Garnets*
UF+ *Yttrium Aluminium Garnets*
BT1 Oxide Minerals
BT2 Minerals
BT1 Silicate Minerals
BT2 Minerals
RT Ferrimagnetic Materials
RT Garnets
DEF Minerals with the general formula $Y_3M_5O_{12}$, where Y is yttrium or other rare earth, and M is usually iron, but may be another metal.

FERRITES [01]
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
DA December 1, 1974
BT1 Ferrimagnetic Materials
BT2 Magnetic Materials
BT3 Materials
BT1 Iron Compounds
BT2 Transition Element Compounds
BT1 Oxygen Compounds
RT Iron Oxides

FERRITIC STEELS [01]
DA September 6, 1979
BT1 Steels
BT2 Iron Base Alloys
BT3 Iron Alloys
BT4 Alloys
NT1 Steel-Cr9Mo
NT1 Steel-Cr9MoNbV
NT2 Steel-Z10CdNBV9
NT1 Steel-Cr12MoNiV
NT1 Steel-Cr16
NT2 Stainless Steel-430
NT1 Steel-Cr25
NT2 Stainless Steel-446
RT Corrosion Resistant Alloys
RT Ferrite

FERRITIN [01]
DA December 1, 1974
BT1 Iron Complexes
BT2 Transition Element Complexes
BT3 Complexes
BT1 Metalloproteins
BT2 Proteins
BT3 Organic Compounds
RT Hemosiderin
RT Iron

FERROAN
DA June 12, 1975
BT1 Calcium Carbonates
BT2 Calcium Compounds
BT3 Alkaline Earth Metal Compounds
BT2 Carbonates
BT3 Carbon Compounds
BT3 Oxygen Compounds
BT1 Carbonate Minerals
BT2 Minerals
BT1 Iron Carbonates
BT2 Carbonates
BT3 Carbon Compounds
BT3 Oxygen Compounds
BT2 Iron Compounds
BT3 Transition Element Compounds
BT1 Magnesium Carbonates
BT2 Carbonates
BT3 Carbon Compounds
BT3 Oxygen Compounds
BT2 Magnesium Compounds
BT3 Alkaline Earth Metal Compounds

FERROBACILLUS FERROOXIDANS
DA September 19, 1977
BT1 Bacillus
BT2 Bacteria
BT3 Microorganisms
RT Leaching
RT Oil Shales

FERROCENE [01]
DA December 1, 1974
BT1 Dienes
BT2 Polyenes
BT3 Hydrocarbons
BT4 Organic Compounds
BT1 Iron Complexes
BT2 Transition Element Complexes
BT3 Complexes

FERROCYANIDES [01]
DA December 1, 1974
BT1 Iron Complexes
BT2 Transition Element Complexes
BT3 Complexes

FERROELECTRIC CONVERTERS
DA March 4, 1977
BT1 Direct Energy Converters
RT Ferroelectric Materials

FERROELECTRIC MATERIALS [01]
DA December 1, 1974
UF *Materials (Ferroelectric)*
RT Antiferroelectric Materials
RT Dielectric Materials
RT Ferroelectric Converters

Ferrofluids
DA March 12, 1985
USE Magnetic Liquids

FERROIN [01]
DA December 1, 1974
BT1 Phenanthrolines
BT2 Azaarenes
BT3 Aromatics
BT4 Organic Compounds
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
BT1 Reagents
RT Iron Complexes
RT Phenanthroline-Ortho

FERROMAGNETIC MATERIALS [01]
DA December 1, 1974
UF *Materials (Ferromagnetic)*
BT1 Magnetic Materials
BT2 Materials
RT Antiferromagnetic Materials
RT Spin Glass State

FERROMAGNETIC RESONANCE [01]
DA August 4, 1976
BT1 Magnetic Resonance
BT2 Resonance

FERROMAGNETISM [01]
DA December 1, 1974
BT1 Magnetism
NT1 Mictomagnetism
RT Antiferromagnetism
RT Curie Point
RT Ferrimagnetism
RT Heisenberg Model
RT Hubbard Model

FERRON [01]
DA December 1, 1974
BT1 Hydroxy Compounds
BT2 Organic Compounds
BT1 Organic Iodine Compounds
BT2 Organic Halogen Compounds
BT3 Organic Compounds
BT1 Quinolines
BT2 Azaarenes
BT3 Aromatics
BT4 Organic Compounds
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
BT2 Pyridines
BT3 Azines
BT4 Heterocyclic Compounds
BT5 Organic Compounds
BT4 Organic Nitrogen Compounds
BT5 Organic Compounds
BT1 Reagents
BT1 Sulfonic Acids
BT2 Organic Acids
BT3 Organic Compounds
BT2 Organic Sulfur Compounds
BT3 Organic Compounds

Ferrous Compounds
DA December 1, 1974
USE Iron Compounds

FERROX PROCESS
DA January 27, 1975
BT1 Desulfurization
BT2 Chemical Reactions

FERSMITE [01]
DA December 1, 1974
BT1 Radioactive Minerals
BT2 Minerals
BT2 Radioactive Materials
BT3 Materials

FERTILE MATERIALS [01]
DA December 1, 1974
BT1 Materials
RT Breeding Blankets
RT Nuclear Fuel Conversion
RT Nuclear Fuels
DEF Materials containing nuclides capable of being transformed into fissile nuclides by neutron capture.

FERTILITY [01]
DA December 1, 1974
RT Female Genitals
RT Gonads
RT Male Genitals
RT Menopause
RT Menstrual Cycle
RT Progeny
RT Reproduction
RT Reproductive Disorders
RT Sterility

FERTILIZATION [01]
DA October 20, 1977
RT Gametes
RT Ova
RT Reproduction
RT Zygotes

FERTILIZER INDUSTRY [01]
DA August 9, 1977
BT1 Industry
RT Agriculture

FERTILIZERS [01]
DA December 1, 1974
NT1 Superphosphates
RT Agriculture
RT Eutrophication
RT Nitrogen Cycle
RT Nutrients
RT Pircon-Peck Process
RT Plants
RT Soil Chemistry
RT Soil Conservation

Feshbach-Porter-Weisskopf Model
DA December 1, 1974
USE Optical Models

FESHBACH-WEISSKOPF MODEL [01]
DA December 1, 1974
RT Nuclear Reactions

FESSENHEIM-1 REACTOR [01]
(Fessenheim, Haut Rhine, France)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

FESSENHEIM-2 REACTOR [01]
(Fessenheim, Haut Rhine, France)
DA December 1, 1974
BT1 Power Reactors
BT2 Reactors

FETAL MEMBRANES [01]
DA December 1, 1974
UF *Amnion*
UF *Chorioallantoic Membrane*
BT1 Membranes
NT1 Placenta
RT Embryos
RT Fetuses

FETUSES [01]
DA December 1, 1974
RT Age Groups
RT Amniotic Fluid
RT Congenital Malformations
RT Embryos
RT Fetal Membranes
RT Ontogenesis
RT Pregnancy
RT Prenatal Exposure
RT Prenatal Irradiation
RT Teratogens
RT Uterus

FEULGEN METHOD [01]
DA December 1, 1974
RT Cytochemistry
RT DNA

FEVER [01]
DA December 1, 1974
BT1 Symptoms
RT Antipyretics
RT Body Temperature
RT Pyrogens

FEYNMAN DIAGRAM [01]
DA December 1, 1974
BT1 Diagrams
RT Quantum Field Theory

FEYNMAN GAS MODEL [01]
DA December 1, 1974
BT1 Particle Models
BT2 Mathematical Models
BT1 Statistical Models
BT2 Mathematical Models

FEYNMAN-GELL-MANN THEORY [01]
DA December 1, 1974
RT Beta Decay
RT Neutrinos

FEYNMAN METHOD [01]
DA December 1, 1974
UF *Welton Method*
BT1 Calculation Methods
RT Neutron Transport Theory
RT Transport Theory

FEYNMAN PATH INTEGRAL [01]
DA December 1, 1974
BT1 Integrals
RT Propagator
RT Quantum Mechanics
RT Wilson Loop

FFTF REACTOR [01]
(Westinghouse Hanford Company, Richland, Washington)
DA December 1, 1974
UF *Fast Flux Test Facility Reactor*
UF *FTR Reactor (Richland)*
UF *Richland FFTF Reactor*
BT1 Fast Reactors
BT2 Epithermal Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Sodium Cooled Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors
RT Hanford Engineering Development Laboratory

FIAN SYNCHROTRON [01]
DA December 1, 1974
UF *Lebedev Synchrotron*
BT1 Synchrotrons
BT2 Cyclic Accelerators
BT3 Accelerators

FIBER OPTICS [01]
DA September 11, 1978
RT Light Transmission
RT Optical Equipment
RT Optical Fibers
RT Optical Properties
DEF The technique of transmitting light through long thin, flexible fibers of glass, plastic, or other transparent materials.

FIBERGLASS [01]
DA April 6, 1978
BT1 Composite Materials
BT2 Materials
RT Glazing Materials

FIBERS [01]
DA December 1, 1974
NT1 Carbon Fibers
NT1 Optical Fibers
RT Aramids
RT Cotton
RT Dacron
RT Jute
RT Mineral Wool
RT Rayon
RT Synthetic Materials
RT Wool

Fibration (Topological Maps)
DA December 1, 1974
USE Mapping Fibration

FIBRIN [01]
DA December 1, 1974
BT1 Blood Coagulation Factors
BT2 Coagulants
BT3 Hematologic Agents
BT4 Drugs
BT2 Proteins
BT3 Organic Compounds
BT1 Hemostatics
BT2 Coagulants
BT3 Hematologic Agents
BT4 Drugs
BT1 Scleroproteins
BT2 Proteins
BT3 Organic Compounds

FIBRINOGEN [01]
DA December 1, 1974
BT1 Blood Coagulation Factors
BT2 Coagulants
BT3 Hematologic Agents
BT4 Drugs
BT2 Proteins
BT3 Organic Compounds
BT1 Globulins
BT2 Proteins
BT3 Organic Compounds
BT1 Hemostatics
BT2 Coagulants
BT3 Hematologic Agents
BT4 Drugs

FIBRINOLYSIN [01]
(Code number 3.4.21.7.)
DA June 13, 1981
UF *Plasmin*
BT1 Fibrinolytic Agents
BT2 Hematologic Agents
BT3 Drugs
BT1 Serine Proteinases
BT2 Peptide Hydrolases
BT3 Hydrolases
BT4 Enzymes
BT5 Proteins
BT6 Organic Compounds
RT Blood Coagulation
RT Blood Coagulation Factors
RT Fibrinolysis

FIBRINOLYSIS [01]
DA December 1, 1974
BT1 Proteolysis
BT2 Decomposition
BT3 Chemical Reactions
RT Fibrinolysin
RT Streptococcal Proteinase
RT Urokinase

FIBRINOLYTIC AGENTS [01]
DA April 20, 1981
BT1 Hematologic Agents
BT2 Drugs
NT1 Fibrinolysin
NT1 Plasminogen
NT1 Streptidine Kinase
NT1 Urokinase
RT Anticoagulants
RT Blood Substitutes
RT Coagulants
RT Hematinics

FIBROBLASTS [01]
DA December 1, 1974
BT1 Connective Tissue Cells
BT2 Somatic Cells
BT3 Animal Cells
RT Collagen
RT Fibrosis
RT L Cells

FIBROSARCOMAS [01]
DA December 1, 1974
BT1 Sarcomas
BT2 Neoplasms
BT3 Diseases

FIBROSIS [01]
DA December 1, 1974
BT1 Pathological Changes
RT Connective Tissue
RT Fibroblasts

FICK LAWS [01]
DA December 1, 1974
RT Diffusion
RT Neutron Diffusion Equation
RT Neutron Transport Theory

FIELD ALGEBRA [01]
DA December 1, 1974
RT Current Algebra
RT Parastatistics
RT Quantum Field Theory

FIELD EFFECT TRANSISTORS [01]
DA December 1, 1974
UF *Unipolar Transistors*
BT1 Transistors
BT2 Semiconductor Devices
NT1 MOSFET

FIELD EMISSION [01]
DA December 1, 1974
BT1 Emission
RT Electron Emission
RT Ion Emission
RT Ion Microscopy

Field Emission Microscopy
DA December 1, 1974
USE Ion Microscopy

FIELD EQUATIONS [01]
DA December 1, 1974
BT1 Equations
NT1 Einstein Field Equations
NT1 Einstein-Maxwell Equations
NT1 sine-Gordon Equation
RT Field Theories
RT General Relativity Theory
RT Instantons
RT Maxwell Equations
RT Solitons

Field Ion Microscopy
DA December 1, 1974
USE Ion Microscopy

Field Offices
DA March 24, 1983
USE US DOE Field Offices

FIELD OPERATORS [01]
DA December 1, 1974
BT1 Quantum Operators
BT2 Mathematical Operators
RT Quantum Field Theory
RT Vacuum States

FIELD PRODUCTION EQUIPMENT
DA March 19, 1984
BT1 Equipment
NT1 Well Injection Equipment
NT1 Well Recovery Equipment
NT1 Wellheads
RT Natural Gas Fields
RT Natural Gas Wells
RT Oil Fields
RT Oil Wells

FIELD-REVERSED MIRROR REACTORS
DA April 6, 1978
UF *FRM Devices (Thermonuclear)*
BT1 Magnetic Mirror Type Reactors
BT2 Thermonuclear Reactors

FIELD-REVERSED THETA PINCH DEVICES [01]
(A type of compact torus with poloidal magnetic field only.)
DA September 5, 1986
BT1 Compact Torus
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices
BT2 Tori
BT1 Pinch Devices
BT2 Thermonuclear Devices

FIELD TESTS [01]
DA February 5, 1979
BT1 Testing
RT Bench-Scale Experiments
RT Demonstration Plants
RT Process Development Units

FIELD THEORIES [01]
DA December 1, 1974
NT1 General Relativity Theory
NT2 Relativity Theory
NT1 Quantum Field Theory
NT2 Axiomatic Field Theory
NT3 Algebraic Field Theory
NT3 LSZ Theory
NT3 Wightman Field Theory
NT2 Constructive Field Theory
NT2 Lagrangian Field Theory
NT2 Lattice Field Theory
NT2 Phi4-Field Theory
NT2 Quantum Chromodynamics
NT2 Quantum Electrodynamics
NT3 Schwinger-Tomonaga Formalism
NT2 Quantum Flavordynamics
NT2 Quantum Gravity
NT2 Yukawa Nonlocal Theory
NT1 Unified-Field Theories
NT2 Einstein-Schroedinger Theory
NT2 Grand Unified Theory
NT2 Kaluza-Klein Theory
NT2 Kobayashi-Maskawa Matrix
NT2 Supergravity
NT2 Weinberg-Salam Gauge Model
NT2 Weyl Unified Theory
RT Action Integral
RT Electrodynamics
RT Field Equations
RT Instantons

Fields (Crossed)
DA December 1, 1974
USE Crossed Fields

Fields (Electric)
DA December 1, 1974
USE Electric Fields

Fields (Electromagnetic)
DA May 7, 1982
USE Electromagnetic Fields

Fields (Gravitational)
DA December 1, 1974
USE Gravitational Fields

Fields (Magnetic)
DA December 1, 1974
USE Magnetic Fields

FIERZ INTERFERENCE [01]
DA December 1, 1974
RT Beta Decay

FIERZ-PAULI THEORY [01]
DA December 1, 1974
RT Quantum Mechanics

FIFTH SOUND [01]
DA November 10, 1977
RT Superfluidity

FIGS [01]
DA December 1, 1974
BT1 Fruits
BT2 Food

FIJI [01]
DA December 1, 1974
BT1 Islands
RT Pacific Ocean

Filament (Plasma)
DA December 1, 1974
USE Plasma Filament

FILAMENT CRYSTAL COUNTERS [01]
DA December 1, 1974
BT1 Crystal Counters
BT2 Radiation Detectors
BT3 Measuring Instruments
RT Gamma Detection
DEF Gamma counter filled with crystalline argon, xenon, methane, etc. at cryogenic temperatures.

FILAMENTS [01]
DA December 1, 1974
RT Wires

FILARIASIS [01]
DA October 28, 1975
BT1 Parasitic Diseases
BT2 Infectious Diseases
BT3 Diseases
RT Nematodes
RT Parasites

FILL FACTORS
DA January 28, 1975
RT Power Demand
RT Power Generation
DEF Fraction of power available to a load.

FILLER METALS [01]
DA December 1, 1974
RT Brazing Alloys
RT Welding

FILLERS [01]
DA December 1, 1974
RT Binders
RT Grouting

Filling Stations
DA May 9, 1979
USE Gasoline Service Stations

Film Badges
DA December 1, 1974
USE Photographic Film Dosemeters

FILM BOILING [01]
DA December 1, 1974
BT1 Boiling
BT2 Phase Transformations

FILM CONDENSATION [01]
DA December 1, 1974
BT1 Vapor Condensation
RT Steam Condensers

FILM COOLING [01]
DA December 1, 1974
BT1 Cooling

Film Dosemeters
DA December 1, 1974
USE Photographic Film Dosemeters

FILM DOSIMETRY [01]
DA December 1, 1974
BT1 Dosimetry
RT Photographic Film Dosemeters

FILM FLOW [01]
DA May 5, 1975
BT1 Fluid Flow
RT Helium II
RT Superfluidity

FILMLESS SPARK CHAMBERS [01]
DA December 1, 1974
BT1 Spark Chambers
BT2 Gas Track Detectors
BT3 Radiation Detectors
BT4 Measuring Instruments
NT1 Sonic Spark Chambers
NT1 Wire Spark Chambers

FILMS [01]
(Not for PHOTOGRAPHIC FILMS or NUCLEAR EMULSIONS.)
DA December 1, 1974
NT1 Energy Beam Deposition Films
NT1 Solar Control Films
NT1 Superconducting Films
NT1 Thin Films
RT Coatings
RT Foils
RT Heat Mirrors
RT Layers
RT Waterproofing

FILTERS [01]
DA December 1, 1974
NT1 Air Filters
NT1 Electric Filters
NT1 Electromagnetic Filters
NT1 Fabric Filters
NT1 Magnetic Filters
NT1 Mechanical Filters
NT2 Granular Bed Filters
NT1 Optical Filters
RT Aerosols
RT Diatomaceous Earth
RT Dust Collectors
RT Dusts
RT Filtration
RT Respirators
RT Samplers
RT Suspensions
RT Ultrafiltration
RT Ventilation

Filters (Electric)
DA December 1, 1974
USE Electric Filters

FILTRATION [01]
DA December 1, 1974
BT1 Separation Processes
NT1 Ultrafiltration
RT Electromagnetic Filters
RT Filters
RT Hot Gas Cleanup
RT Magnetic Filters

FINAL-STATE INTERACTIONS [01]
DA December 1, 1974
BT1 Interactions
RT Proximity Scattering

FINANCIAL ASSISTANCE
DA December 17, 1979
UF *Loans*
BT1 Financial Incentives
BT1 Financing
NT1 Loan Guarantees
RT Consumer Protection
RT Grants
RT Lending Institutions
RT Low Income Groups
RT Military Assistance

FINANCIAL DATA [01]
DA January 30, 1975
UF *Assets*
SF *Credits*
SF *Debits*
BT1 Data
BT2 Information
RT Budgets
RT Economics
RT Reactor Licensing

FINANCIAL INCENTIVES [01]
DA December 16, 1976
UF *Property Tax Exemption*
SF *Incentives*
NT1 Financial Assistance
NT2 Loan Guarantees
NT1 Subsidies
RT Depreciation
RT Economics
RT Financing
RT Legal Incentives
RT National Energy Conservation Incentives Act
RT Tax Credits
RT Taxes
RT US Depletion Allowances
RT US Economic Recovery Tax Act
RT US Energy Tax Act

Financial Management
DA March 23, 1983
USE Program Management

Financial Penalties
DA July 24, 1979
USE Charges

FINANCIAL SECURITY [01]
DA April 19, 1989
RT Insurance
RT Liabilities
RT Victims Compensation
RT Workmens Compensation

FINANCING [01]
DA January 20, 1975
NT1 Financial Assistance
NT2 Loan Guarantees
RT Amortization
RT Budgets
RT Capital
RT Cost
RT Cost Recovery
RT Credit Accounts
RT Credit Cards
RT Depreciation
RT Economics
RT Economy
RT Expenditures
RT Financial Incentives
RT Interest Rate
RT Investment
RT Lending Institutions
RT Subsidies

Fine Control Rods
DA December 1, 1974
USE Regulating Rods

FINE STRUCTURE [01]
DA December 1, 1974
RT Energy Levels
RT Paschen-Back Effect
RT Sommerfeld Constant
RT Spectra

Fingerprinting (Oil Spills)
DA August 7, 1978
USE Oil Spills
AND Pattern Recognition

FINGERS [01]
DA December 1, 1974
BT1 Hands
BT2 Limbs
BT3 Body Areas
BT4 Body
RT Nails

FINISHED OILS
DA December 10, 1979
BT1 Petroleum Products
RT Unfinished Oils
DEF Products requiring no further refinery processing.

Finishing (Surface)
DA December 1, 1974
USE Surface Finishing

FINITE DIFFERENCE METHOD [01]
DA December 1, 1974
UF *Coarse Mesh Method*
BT1 Iterative Methods
BT2 Calculation Methods
BT1 Numerical Solution
RT Analytical Solution
RT Boundary Element Method
RT Differential Equations
RT Finite Element Method
RT Mathematics
RT Mesh Generation
RT Nodal Expansion Method

FINITE ELEMENT METHOD [01]
DA December 1, 1974
BT1 Calculation Methods
BT1 Numerical Solution
NT1 Boundary Element Method
RT Differential Equations
RT Finite Difference Method
RT Mathematics
RT Mesh Generation
RT Nodal Expansion Method

FINITE-RANGE INTERACTIONS [01]
DA December 1, 1974
BT1 Interactions
RT Nuclear Reaction Kinetics
RT Zero-Range Approximation

FINLAND [01]
DA December 1, 1974
BT1 Developed Countries
BT1 Scandinavia
BT2 Western Europe
BT3 Europe
RT OECD

FINNISH ORGANIZATIONS [01]
DA November 1, 1976
BT1 National Organizations

Finnish Reactor-1
DA December 1, 1974
USE FIR-1 Reactor

FINS [01]
DA December 1, 1974
RT Reactor Components
RT Spacers
RT Vanes

FIORDS [01]
DA November 25, 1980
BT1 Estuaries
BT2 Surface Waters
RT Anoxia
RT Coastal Waters
RT Salinity
RT Seawater
DEF An arm of the sea having steep sides, a deep bottom, and a shallow sill separating it from the sea.

FIR-1 REACTOR [01]
(Technical Research Centre of Finland Reactor Lab., ESPOO, Finland)
DA December 1, 1974
UF *Finnish Reactor-1*
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Pulsed Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors

BT1 Thermal Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 TRIGA Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Hydride Moderated Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Solid Homogeneous Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

FIRE DETECTORS [01]
DA January 14, 1986
NT1 Smoke Detectors
RT Alarm Systems
RT Fire Prevention
RT Safety

FIRE EXTINGUISHERS [01]
DA December 1, 1974
RT Fire Fighting
RT Fires
RT Safety

FIRE FIGHTING [01]
DA April 28, 1978
RT Fire Extinguishers
RT Fires
RT Safety

Fire Flooding
DA May 23, 1988
USE In-Situ Combustion

FIRE HAZARDS [01]
DA December 1, 1974
BT1 Hazards
RT Fire Prevention
RT Fires
RT Spontaneous Combustion

FIRE PREVENTION [01]
DA August 19, 1975
RT Combustion
RT Fire Detectors
RT Fire Hazards
RT Fire Resistance
RT Fires
RT Safety
RT Spontaneous Combustion

FIRE RESISTANCE [01]
DA December 1, 1974
RT Fire Prevention
RT Fires
RT Thermal Insulation

Fire Stations
DA January 9, 1981
USE Public Buildings

FIREBALL MODEL [01]
DA December 1, 1974
UF *Two-Fireball Model*
BT1 Particle Models
BT2 Mathematical Models
RT Centauro-Type Events
RT Cluster Emission Model

FIREBALLS
DA May 2, 1979
NT1 Nuclear Fireballs

Firedamp
DA April 28, 1978
USE Methane

Firehose Instability
DA May 5, 1975
USE Hose Instability

FIREPLACES
DA June 21, 1977
RT Chimneys
RT Space Heating

FIRES [01]
DA December 1, 1974
RT Accidents
RT Burns
RT Combustion
RT Disasters
RT Explosions
RT Fire Extinguishers
RT Fire Fighting
RT Fire Hazards
RT Fire Prevention
RT Fire Resistance
RT Hazards
RT Safety Engineering
RT Smoke Detectors
RT Spontaneous Combustion

Firestreak Model
DA October 19, 1978
USE Nuclear Fireball Model

Firewood
DA January 30, 1981
USE Wood Fuels

FIRS [01]
DA December 11, 1985
UF *Abies*
BT1 Conifers
BT2 Pinophyta
BT3 Plants
BT1 Trees
BT2 Plants

FIRST AID [01]
DA December 1, 1974
BT1 Therapy
NT1 Cardiopulmonary Resuscitation
RT Accidents
RT Health Hazards
RT Injuries
RT Safety Showers
RT Single Intake

FIRST WALL [01]
DA October 1, 1975
BT1 Thermonuclear Reactor Walls
RT Steel-Cr10Mo2
RT Wall Loading

FISCHER ASSAY
DA January 28, 1975
RT Oil Shales
RT Shale Oil

FISCHER-TROPSCH SYNTHESIS [01]
DA December 1, 1974
UF *Synthine Process*
BT1 Chemical Reactions
RT Hydrocarbons
RT Hydrogenation
RT Sasol-II Process

FISCHER-TROPSCH/MOBIL PROCESS
DA February 10, 1984
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes
BT1 Coal Liquefaction
BT2 Liquefaction
BT3 Thermochemical Processes
DEF Two-stage process from synthesis gas to gasoline with different catalysts in each stage.

Fish and Wildlife Service
DA December 26, 1984
USE US FWS

Fish Culture
DA November 12, 1975
USE Fisheries

Fish Hatcheries
DA August 21, 1981
USE Fisheries

Fish Ladders
DA January 24, 1980
USE Fish Passage Facilities

Fish Lifts
DA January 24, 1980
USE Fish Passage Facilities

Fish Locks
DA January 24, 1980
USE Fish Passage Facilities

Fish Meal
DA December 1, 1974
USE Fish Products

FISH OIL [01]
DA December 16, 1976
BT1 Oils
BT2 Other Organic Compounds
BT3 Organic Compounds

FISH PASSAGE FACILITIES [01]
DA January 24, 1980
UF *Fish Ladders*
UF *Fish Lifts*
UF *Fish Locks*
UF *Fishways*
RT Anadromous Fishes
RT Dams
RT Fishes
RT Hydroelectric Power Plants
RT Migration
DEF Structures that carry water around dams thus facilitating the migration of fish.

FISH PRODUCTS [01]
DA December 1, 1974
UF *Fish Meal*
NT1 Seafood
RT Fishes

FISH SCALES [01]
DA May 7, 1977
RT Fishes
RT Skin

FISHBONE INSTABILITY [01]
DA July 10, 1984
BT1 Plasma Macroinstabilities
BT2 Plasma Instability
BT3 Instability

FISHERIES [01]
(Prior to August 1981, this concept was indexed to AQUACULTURE.)
DA August 4, 1981
UF *Fish Culture*
UF *Fish Hatcheries*
RT Aquaculture
RT Fishing Industry

FISHERY LAWS [01]
DA December 1, 1974
BT1 Laws

FISHES [01]
DA December 1, 1974
UF *Misgurnus*
BT1 Aquatic Organisms
BT1 Vertebrates
BT2 Animals
NT1 Anadromous Fishes
NT2 Salmon
NT2 Striped Bass
NT1 Codfish
NT1 Eel
NT1 Fathead Minnow
NT1 Goldfish
NT1 Plaice
NT1 Trout
NT1 Tuna
RT Aquaculture
RT Fish Passage Facilities
RT Fish Products
RT Fish Scales
RT Food
RT Gills
RT Ichthyoplankton
RT Seafood

FISHING INDUSTRY [01]
DA January 26, 1978
BT1 Industry
RT Anadromous Fishes
RT Fisheries

Fishways
DA January 24, 1980
USE Fish Passage Facilities

FISSILE MATERIALS [01]
DA December 1, 1974
BT1 Fissionable Materials
BT2 Materials
RT Fission
RT Nuclear Fuels
RT Nuclear Materials Management
DEF Materials containing nuclides capable of undergoing fission by interaction with neutrons of any energy, e.g. uranium-233, uranium-235 and plutonium-239

FISSION [01]
DA December 1, 1974
UF *Disintegration (Fission)*
BT1 Nuclear Reactions
NT1 Binary Fission
NT1 Cold Fission
NT1 Electrofission
NT1 Fast Fission
NT1 Photofission
NT1 Quaternary Fission
NT1 Spontaneous Fission
NT1 Ternary Fission
NT1 Thermal Fission
RT Bohr-Wheeler Theory
RT Chain Reactions
RT Criticality
RT Fast Fission Factor
RT Fissile Materials
RT Fission Barrier
RT Fission Fragments
RT Fission Products
RT Fission Spectra
RT Fission Yield
RT Fissionable Materials
RT Fissioning Plasma
RT Governor Model
RT Nuclear Explosions
RT Nuclear Fragmentation
RT Nuclear Fragments
RT Order-Disorder Model
RT Quasi-Fission
RT Reactors
RT Recoils
RT Scission-Point Model
RT Snell Experiment
RT Spallation
RT Strutinsky Theory
RT Subcriticality
RT Thermal Fission Factor
RT Watt Fission Spectrum

FISSION BARRIER [01]
DA December 1, 1974
BT1 Nuclear Potential
BT2 Potentials
RT Excitation
RT Fission

FISSION CHAMBERS [01]
DA December 1, 1974
BT1 Ionization Chambers
BT2 Radiation Detectors
BT3 Measuring Instruments
BT1 Neutron Detectors
BT2 Radiation Detectors
BT3 Measuring Instruments
RT Threshold Detectors

FISSION FOIL DETECTORS [01]
DA December 1, 1974
BT1 Neutron Detectors
BT2 Radiation Detectors
BT3 Measuring Instruments
RT Activation Detectors
RT Dielectric Track Detectors
RT Fission Thermocouple Detectors
RT Threshold Detectors

FISSION FRAGMENT DETECTION [01]
DA December 1, 1974
BT1 Radiation Detection
BT2 Detection
RT Charged Particle Detection
RT Radiation Detectors

FISSION FRAGMENT SPECTROMETERS [01]
DA December 1, 1974
BT1 Spectrometers
BT2 Measuring Instruments

FISSION FRAGMENTS [01]
DA December 1, 1974
UF *Fragments (Fission)*
BT1 Nuclear Fragments
RT Fission
RT Fission Tracks

FISSION ISOMERS [01]
DA December 1, 1974
RT Isomeric Nuclei
RT Spontaneous Fission

FISSION NEUTRONS [01]
DA December 1, 1974
BT1 Neutrons
BT2 Nucleons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
NT1 Delayed Neutrons
NT1 Prompt Neutrons
RT Multiplication Factors

FISSION POISONS [01]
DA December 1, 1974
BT1 Nuclear Poisons
BT2 Reactor Materials
BT3 Materials

FISSION PRODUCT RELEASE [01]
(Coordinate with descriptors for the area of release such as BIOSPHERE or COOLANTS, and for the specific fission products, if known.)
DA January 20, 1975
UF *Release (Fission Product)*
RT Containment
RT Contamination
RT Degassing
RT Desorption
RT Fission Products
RT Leaks
RT Radiation Hazards
RT Radioactive Waste Disposal
RT Removal
RT Source Terms

FISSION PRODUCTS [01]
DA December 1, 1974
UF *Debris (Nuclear)*
BT1 Isotopes
BT1 Radioactive Materials
BT2 Materials
RT Accidents
RT Containment
RT Containment Systems
RT Fallout
RT Fission
RT Fission Product Release
RT Fission Yield
RT Fissium
RT Fong Theory
RT Fuel Cooling Time
RT Fuel Reprocessing Plants
RT Nuclear Explosions
RT Radioactive Wastes
RT Reactors
RT Source Terms
RT Spent Fuels

FISSION RATIO [01]
DA December 1, 1974
RT Capture-to-Fission Ratio
RT Resonance Neutrons

FISSION SPECTRA [01]
DA December 1, 1974
UF *Spectra (Fission)*
BT1 Spectra
RT Fission
RT Prompt Neutrons

FISSION THERMOCOUPLE DETECTORS
DA March 27, 1979
BT1 Neutron Detectors
BT2 Radiation Detectors
BT3 Measuring Instruments
RT Fission Foil Detectors
RT Thermocouples
DEF Neutron detector using a thin film of fissile material overlaid on a thermocouple junction

FISSION TRACKS [01]
DA December 1, 1974
BT1 Particle Tracks
RT Age Estimation
RT Fission Fragments

FISSION YIELD [01]
DA December 1, 1974
UF *Yield (Fission)*
BT1 Nuclear Reaction Yield
BT2 Yields
RT Fission
RT Fission Products

FISSIONABLE MATERIALS [01]
DA December 1, 1974
BT1 Materials
NT1 Fissile Materials
RT Accelerator Breeders
RT Fission
RT Fuel Cycle
RT Nuclear Materials Management
RT Radioactive Wastes
DEF Materials containing nuclides capable of undergoing fission only by fast neutrons with energy greater than 1MeV, e.g., thorium-232 and uranium-238.

Fissionable Materials Management
DA December 1, 1974
USE Nuclear Materials Management

FISSIONING PLASMA [01]
DA December 1, 1974
BT1 Plasma
RT Chain Reactions
RT Fission
RT Gas Fuels
RT Space Propulsion Reactors

FISSIUM [01]
DA December 1, 1974
RT Fission Products
RT Nuclear Fuels

Fissured Formations
DA August 24, 1977
USE Fractured Reservoirs

FISTULAE [01]
DA December 1, 1974
BT1 Pathological Changes
RT Necrosis
RT Ulcers

FITZPATRICK REACTOR [01]
(Oswego, New York, USA)
DA December 1, 1974
UF *Easton Power Reactor*
UF *James A. Fitzpatrick Reactor*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

Fixation (Carbon Dioxide)
DA February 23, 1982
USE Carbon Dioxide Fixation

Fixation (Waste Treatment)
DA December 1, 1974
USE Solidification

Fixed Bed
DA May 17, 1976
USE Packed Beds

FIXED MIRROR COLLECTORS
DA August 7, 1978
BT1 Concentrating Collectors
BT2 Solar Collectors
BT3 Solar Equipment
BT4 Equipment

FIXED-PRICE CONTRACTS
DA March 23, 1983
BT1 Contracts

Flagyl
DA February 13, 1975
USE Metronidazole

FLAMANVILLE-1 REACTOR [01]
DA September 5, 1984
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

FLAMANVILLE-2 REACTOR [01]
DA September 5, 1984
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

FLAME CHAMBER PROCESS
DA November 1, 1976
BT1 Waste Processing
BT2 Processing
BT2 Waste Management
BT3 Management
DEF High temperature waste combustion process in which waste is fed into ring column created between two concentric cylinders causing combustion steps to be above each other rather than following each other.

FLAME PHOTOMETRY
DA November 6, 1980
BT1 Photometry
RT Spectrophotometry
RT Spectroscopy

FLAME PROPAGATION
DA September 28, 1976
RT Blowoff
RT Combustion Kinetics
RT Flames
RT Flashback

Flame Spectrometry
DA August 12, 1980
USE Emission Spectroscopy

FLAME SPRAYING [01]
DA December 1, 1974
BT1 Spray Coating
BT2 Surface Coating
BT3 Deposition

Flame Temperature
DA November 11, 1975
USE Combustion Properties

FLAMES [01]
DA December 1, 1974
NT1 Verneuil Method
RT Blowoff
RT Combustion
RT Flame Propagation
RT Flashback
RT Ignition
RT Inhibition
RT Stagnation Point

FLAMMABILITY [01]
DA April 19, 1976
BT1 Combustion Properties
RT Combustion
RT Ignition

FLANGES [01]
DA December 1, 1974
RT Joints

FLARING
DA December 10, 1979
RT Combustion
RT Energy Losses
RT Natural Gas

FLASH BURNS [01]
DA December 1, 1974
BT1 Burns
BT2 Injuries

FLASH HEATING [01]
DA December 1, 1974
BT1 Heating
RT Distillation
RT Evaporation
RT Steam

FLASH HYDROPYROLYSIS PROCESS
DA July 7, 1976
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes
BT1 Coal Liquefaction
BT2 Liquefaction
BT3 Thermochemical Processes
BT1 Pyrolysis
BT2 Decomposition
BT3 Chemical Reactions
BT2 Thermochemical Processes
RT Hydrogenation
DEF Process for converting coal or biomass to liquid and gaseous hydrocarbons directly by heating with preheated hydrogen to reaction temperature followed by rapid cooling.

Flash Point
DA November 11, 1975
USE Combustion Properties

FLASH TUBES [01]
DA December 1, 1974
BT1 Gas Discharge Tubes
BT2 Electron Tubes

FLASH WELDING [01]
DA December 1, 1974
BT1 Resistance Welding
BT2 Welding
BT3 Joining
BT4 Fabrication

FLASHBACK
DA January 28, 1977
RT Blowoff
RT Burners
RT Chemical Explosions
RT Flame Propagation
RT Flames
DEF Backward burning of a flame into the lip of a burner or torch.

FLASHED STEAM SYSTEMS
DA May 5, 1978
BT1 Steam Systems
BT2 Energy Systems
RT Flashing
RT Geothermal Energy Conversion
RT Geothermal Power Plants
RT Steam
RT Steam Separators
RT Steam Turbines
RT Thermodynamic Cycles
DEF A system in which a well-head mixture of hot water and steam is flashed in a separator; the saturated steam, then, is used to drive multistage turbines, and the remaining hot liquid is discarded.

FLASHING
DA January 23, 1975
BT1 Evaporation
BT2 Phase Transformations
RT Flashed Steam Systems
RT Steam
RT Thermal Waters
DEF The evaporation of a heated liquid as a consequence of rapid pressure reduction.

FLASHOVER [01]
DA September 11, 1975
BT1 Electric Currents
BT2 Currents
BT1 Electric Discharges
RT Breakdown
RT Electric Arcs
RT Electric Sparks
RT Electrical Faults

Flasks
DA December 1, 1974
USE Casks

FLAT MAGNETIC SPECTROMETERS [01]
DA December 1, 1974
UF *Double Focusing Spectrometers*
UF *Iron-Free Spectrometers*
UF *Orange-Type Spectrometers*
UF *Semicircular Spectrometers*
UF *Siegbahn Spectrometers*
UF *Spiral Orbit Spectrometers*
BT1 Magnetic Spectrometers
BT2 Spectrometers
BT3 Measuring Instruments

FLAT MIRRORS
DA January 24, 1975
BT1 Mirrors

FLAT PLATE COLLECTORS
DA January 24, 1975
BT1 Solar Collectors
BT2 Solar Equipment
BT3 Equipment
NT1 Trickle-Type Collectors
RT Solar Air Heaters

Flattening (Neutron Flux)
DA December 1, 1974
USE Neutron Flux Flattening

FLATTOP REACTOR [01]
DA December 1, 1974
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

FLAVENOIDS [01]
DA September 11, 1975
BT1 Organic Oxygen Compounds
BT2 Organic Compounds
NT1 Flavones
NT2 Hesperidin
NT2 Morin
NT2 Quercetin

FLAVINES [01]
DA December 1, 1974
BT1 Acridines

BT2 Azaarenes
BT3 Aromatics
BT4 Organic Compounds
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
BT2 Pyridines
BT3 Azines
BT4 Heterocyclic Compounds
BT5 Organic Compounds
BT4 Organic Nitrogen Compounds
BT5 Organic Compounds
BT1 Amines
BT2 Organic Compounds
NT1 Acriflavine
NT1 Proflavine

Flavins
DA December 1, 1974
USE Isoalloxazines

FLAVONES [01]
DA December 1, 1974
BT1 Flavonoids
BT2 Organic Oxygen Compounds
BT3 Organic Compounds
NT1 Hesperidin
NT1 Morin
NT1 Quercetin

Flavoprotein Enzymes
DA December 1, 1974
USE Diaphorase

FLAVOR [01]
(Not for elementary particles.)
DA December 1, 1974
BT1 Organoleptic Properties
RT Chemoreceptors
RT Spices
RT Taste Buds

FLAVOR MODEL [01]
DA October 19, 1977
BT1 Quark Model
BT2 Composite Models
BT3 Particle Models
BT4 Mathematical Models
NT1 Beauty Model
NT1 Truth Model
RT Beauty Particles
RT Charmonium
RT Kobayashi-Maskawa Matrix
RT Quantum Chromodynamics
RT Quantum Flavordynamics
RT Quantum Numbers
RT Top Particles
RT Toponium

Flavordynamics
DA May 25, 1979
USE Quantum Flavordynamics

Flaws
DA December 1, 1974
USE Defects

FLAX PLANTS [01]
DA December 1, 1974
UF *Linseed Plants*
BT1 Magnoliopsida
BT2 Magnoliophyta
BT3 Plants
RT Linseed Oil

Flaxseed Oil
DA December 1, 1974
USE Linseed Oil

FLEXIBILITY [01]
DA December 1, 1974
BT1 Tensile Properties
BT2 Mechanical Properties
RT Flexural Strength

Flexitime
DA June 21, 1977
USE Alternative Work Schedules

FLEXURAL STRENGTH [01]
DA December 1, 1974
UF *Strength (Flexural)*
BT1 Mechanical Properties
RT Bendi[illegible]
RT Fl[illegible]y

FLIBE [01]
(Molten salt of fluorine, lithium, and beryllium.)
DA October 1, 1975
BT1 Molten Salts
BT2 Salts
RT Beryllium Fluorides
RT Breeding Blankets
RT Lithium Fluorides
RT Thermonuclear Reactor Walls

FLIES [01]
DA December 1, 1974
BT1 Diptera
BT2 Insects
BT3 Arthropods
BT4 Invertebrates
BT5 Animals
NT1 Fruit Flies
NT2 Ceratitis Capitata
NT2 Dacus
NT3 Dacus Oleae
NT2 Drosophila
NT2 Rhagoletis Cerasi
NT1 Glossina
NT1 Hylemya Antiqua
NT1 Screwworm Fly

FLIGHT TESTING
DA January 9, 1981
BT1 Testing
RT Aircraft
RT Missiles
RT Reentry Vehicles

FLINTLOCK OPERATION
DA November 1, 1976
BT1 Nuclear Explosions
BT2 Explosions
BT1 Underground Explosions
BT2 Explosions
NT1 Halfbeak Event
NT1 Pin Stripe Event
RT Contained Explosions

FLIP-FLOP CIRCUITS [01]
DA December 1, 1974
UF *Eccles-Jordan Circuits*
BT1 Multivibrators
BT2 Pulse Circuits
BT3 Electronic Circuits

Floating Nuclear Power Plant-Sturgis
DA December 1, 1974
USE MH-1A Reactor

Floating Nuclear Power Plants
DA December 1, 1974
USE Offshore Nuclear Power Plants

FLOATING ROOF TANKS [01]
DA August 4, 1981
BT1 Tanks
BT2 Containers
RT Petroleum
RT Storage Facilities

Floating Zone Techniques
DA December 1, 1974
USE Zone Melting

FLOCCULATION [01]
DA December 1, 1974
UF *Coagulation (Colloid)*
UF *Colloid Coagulation*
BT1 Precipitation
BT2 Separation Processes
RT Coprecipitation

FLOOD CONTROL [01]
DA April 8, 1975
BT1 Control
RT Dams
RT Power Generation
RT Rivers

Flooding Fluids
DA November 9, 1983
USE Displacement Fluids

FLOODS [01]
DA December 1, 1974
BT1 Disasters
RT Drainage
RT Hydrology
RT Runoff
RT Surface Waters

FLOORS
DA September 11, 1975
RT Basements
RT Buildings

FLOQUET FUNCTION [01]
DA December 1, 1974
BT1 Functions
RT Differential Equations

Florence Oil
DA December 1, 1974
USE Olive Oil

FLORENCITE [01]
DA December 1, 1974
BT1 Phosphate Minerals
BT2 Minerals
BT1 Radioactive Minerals
BT2 Minerals
BT2 Radioactive Materials
BT3 Materials
RT Aluminium Phosphates
RT Cerium Phosphates

FLORIDA [01]
DA December 1, 1974
BT1 USA
BT2 Developed Countries
BT2 North America
NT1 Cape Kennedy
RT Biscayne Bay
RT Chattahoochee River
RT Everglades National Park
RT Pinellas Plant
RT US East Coast
RT US Gulf Coast

Florida Current
DA June 21, 1977
USE Gulf Stream

Florida University Reactor
DA December 1, 1974
USE UFTR Reactor

FLOTATION [01]
DA December 1, 1974
BT1 Separation Processes
RT Coal Preparation
RT Foam Separation
RT Ore Enrichment
RT Ore Processing
RT Waste Processing

FLOUR [01]
DA December 1, 1974
BT1 Food
RT Bread
RT Cereals

Flow (Blood)
DA November 8, 1980
USE Blood Flow

Flow (Fluid)
DA December 1, 1974
USE Fluid Flow

Flow (Heat)
DA November 8, 1980
USE Heat Flow

FLOW BLOCKAGE [01]
DA December 1, 1974
RT Fluid Flow
RT Loss of Flow

FLOW COUNTERS [01]
DA December 1, 1974

UF *Fluid Flow Counters*
BT1 Radiation Detectors
BT2 Measuring Instruments
RT Geiger-Mueller Counters
RT Proportional Counters

Flow Cytometers
DA September 14, 1976
USE Cell Flow Systems

FLOW MODELS [01]
DA December 1, 1974
UF *Models (Flow)*
BT1 Mathematical Models
RT Fluid Flow

FLOW RATE [01]
DA December 1, 1974
RT Dynamic Function Studies
RT Flow Regulators
RT Flowmeters
RT Fluid Flow
RT Hydraulics
RT Mach Number
RT Plasma Eaters
RT Pressure Drop
RT Time Dependence
RT Velocity

FLOW REGULATORS [01]
DA December 1, 1974
BT1 Control Equipment
BT2 Equipment
NT1 Baffles
NT1 Draft Control Systems
NT1 Valves
NT2 Relief Valves
NT2 Water Faucets
RT Flow Rate

Flow Sheets
DA December 1, 1974
USE Flowsheets

FLOW STRESS [01]
DA December 1, 1974
BT1 Stresses
RT Plasticity

FLOW VISUALIZATION [01]
DA March 6, 1984
RT Aerosols
RT Bubbles
RT Fluid Flow

FLOWERS [01]
(Use only for plant structures involved in sexual reproductive processes.)
DA December 1, 1974
NT1 Stamen
RT Plants
RT Pollen
RT Reproduction

FLOWMETERS [01]
DA December 1, 1974
BT1 Meters
BT2 Measuring Instruments
RT Anemometers
RT Flow Rate
RT Nozzles
RT Orifices
RT Pitot Tubes
RT Venturi Tubes

FLOWSHEETS [01]
DA December 1, 1974
UF *Flow Sheets*
BT1 Diagrams

FLUCTUATIONS [01]
(Stochastic variations.)
DA July 29, 1975
BT1 Variations
NT1 Landau Fluctuations
RT Noise

FLUE GAS [01]
DA January 24, 1975
BT1 Gaseous Wastes
BT2 Wastes
RT Combustion Products
RT Draft Control Systems
RT Dry Scrubbers
RT Hitachi Zosen Process
RT Kureha Acetate Process
RT Scrubbing
RT Selective Catalytic Reduction

Fluence (Neutron)
DA December 1, 1974
USE Neutron Fluence

FLUID FLOW [01]
DA December 1, 1974
UF *Flow (Fluid)*
NT1 Capillary Flow
NT1 Compressible Flow
NT1 Critical Flow
NT1 Film Flow
NT1 Gas Flow
NT2 Air Flow
NT2 Knudsen Flow
NT2 Slip Flow
NT1 Hypersonic Flow
NT1 Ideal Flow
NT1 Incompressible Flow
NT1 Laminar Flow
NT1 Liquid Flow
NT1 Multiphase Flow
NT1 Potential Flow
NT1 Solids Flow
NT1 Steady Flow
NT1 Subsonic Flow
NT1 Supersonic Flow
NT1 Transition Flow
NT1 Transonic Flow
NT1 Turbulent Flow
NT1 Two-Phase Flow
NT1 Unsteady Flow
NT1 Viscous Flow
NT2 Couette Flow
NT1 Vortex Flow
RT Advection
RT Aerodynamic Heating
RT Baffles
RT Bernoulli Law
RT Boundary Layers
RT Cavitation
RT Continuity Equations
RT Darcy Law
RT Diffusers
RT Displacement Rates
RT Drainage
RT Flow Blockage
RT Flow Models
RT Flow Rate
RT Flow Visualization
RT Fluid Mechanics
RT Fluid-Structure Interactions
RT Fluids
RT Friction Factor
RT Froude Number
RT Hartmann Number
RT Heat Transfer
RT Helmholtz Instability
RT Hydraulics
RT Hydrodynamics
RT Jets
RT Magnetohydrodynamics
RT Mass Transfer
RT Oseen Method
RT Pressure Drop
RT Rayleigh-Taylor Instability
RT Reactor Cooling Systems
RT Reynolds Number
RT Rheology
RT Shear
RT Stagnation
RT Superfluidity
RT Surges
RT Turbulence
RT Two-Stream Instability
RT Viscosity

Fluid Flow Counters
DA December 1, 1974
USE Flow Counters

FLUID FUELED REACTORS [01]
DA December 1, 1974
UF *Dust Fueled Reactors*
BT1 Reactors
NT1 Gas Fueled Reactors
NT2 Coaxial Flow Reactors
NT2 Light Bulb Reactors
NT2 Plasma Core Assembly
* NT1 Liquid Homogeneous Reactors
NT1 Molten Salt Fueled Reactors
RT Fluidized Bed Reactors
RT Liquid Metal Fuels

FLUID INJECTION [01]
DA March 11, 1976
NT1 Gas Injection
NT1 Miscible-Phase Displacement
NT2 Carbon Dioxide Injection
NT2 Microemulsion Flooding
NT1 Steam Injection
NT1 Waterflooding
NT2 Caustic Flooding
RT Displacement Fluids
RT Enhanced Recovery
RT Fluid Injection Processes
RT Pressurization
RT SOLFRAC Process

FLUID INJECTION PROCESSES
DA June 12, 1975
UF *Cyclic Steam Injection Process*
UF *Huff and Puff Process*
UF *Steam Drive Process*
NT1 Cold-Water Processes
NT1 Hot-Water Processes
NT1 Steam Soak Processes
RT Enhanced Recovery
RT Fluid Injection
RT Oil Sands

FLUID MECHANICS [01]
DA December 1, 1974
BT1 Mechanics
NT1 Aerodynamics
NT1 Electrogasdynamics
NT1 Hydraulics
NT1 Hydrodynamics
NT2 Electrohydrodynamics
NT2 Magnetohydrodynamics
NT1 Magnetogasdynamics
NT1 Pneumatics
RT Aerodynamic Heating
RT Drag
RT Fluid Flow
RT Fluid-Structure Interactions
RT Fluids
RT Friction Factor
RT Gravity Waves
RT Hydraulic Conductivity
RT Hydrostatics
RT Navier-Stokes Equations
RT Stagnation Point

FLUID POISON CONTROL [01]
DA December 1, 1974
UF *Chemical Shimming*
BT1 Control
RT Burnable Poisons
RT Reactor Control Systems
RT Scram
RT Soluble Poisons

FLUID-STRUCTURE INTERACTIONS [01]
DA November 25, 1980
RT Fluid Flow
RT Fluid Mechanics
RT Fuel-Coolant Interactions
RT Reactor Components
RT Reactor Cooling Systems
RT Reactor Cores
DEF Interactions between fluids, usually coolants, and structural reactor components.

FLUID WITHDRAWAL
DA November 11, 1975
UF *Ground Water Withdrawal*
RT Geothermal Fluids
RT Ground Water
DEF The process of withdrawing fluids such as ground water from a source, also the quantity of fluid withdrawn.

FLUIDIC COMPUTERS [01]
DA December 1, 1974
BT1 Computers

FLUIDIC CONTROL DEVICES [01]
DA December 1, 1974
BT1 Control Equipment
BT2 Equipment
BT1 Fluidic Devices

FLUIDIC DEVICES [01]
DA December 1, 1974
NT1 Fluidic Control Devices
RT Amplification

FLUIDIZATION [01]
DA April 8, 1975
RT Desulfurization
RT Fluidized-Bed Combustion
RT Fluidized Bed Reactors
RT Fluidized Beds

Fluidized Bed
(Prior to July 1985, this was a valid descriptor and older material is so indexed.)
DA December 1, 1974
USE Fluidized Beds

FLUIDIZED BED BOILERS [01]
DA March 11, 1982
UF+ *Circulating Fluidized Bed Boilers*
BT1 Boilers
RT Fluidized-Bed Combustion
RT Fluidized-Bed Combustors
RT Fluidized Bed Heat Exchangers
RT Fluidized Beds

FLUIDIZED-BED COMBUSTION [01]
DA April 8, 1975
BT1 Combustion
BT2 Oxidation
BT3 Chemical Reactions
BT2 Thermochemical Processes
RT Coal
RT Fluidization
RT Fluidized Bed Boilers
RT Fluidized-Bed Combustors
DEF The combustion of pulverized coal (or other material) in a fluidized bed with limestone or dolomite to both suppress sulfur emission (by chemically combining the sulfur with the bed material) and to limit the tendency of atmospheric nitrogen and oxygen to combine into nitrogen oxides (by limiting the temperature of the combustion reaction).

FLUIDIZED-BED COMBUSTORS [01]
DA November 1, 1976
BT1 Combustors
RT Coal
RT Fluidized Bed Boilers
RT Fluidized-Bed Combustion
RT Fluidized Beds
RT Pollution Control Equipment

FLUIDIZED BED HEAT EXCHANGERS
DA July 23, 1977
BT1 Heat Exchangers
RT Fluidized Bed Boilers

FLUIDIZED BED HYDROGENATION PROCESS
DA January 23, 1976
UF *FBH Process*
BT1 SNG Processes
RT Hydrocarbons
RT Petroleum
DEF Production of methane- and ethane-rich gas at elevated temperatures and pressure from hydrocarbons.

FLUIDIZED BED REACTORS [01]
DA December 1, 1974
BT1 Fuel Dispersion Reactors
BT2 Homogeneous Reactors
BT3 Reactors
RT Fluid Fueled Reactors
RT Fluidization

FLUIDIZED BED REFUSE GASIFICATION [01]
DA November 1, 1976
BT1 Waste Processing
BT2 Processing
BT2 Waste Management
BT3 Management
RT Coal Gasification
RT Oil Shales
DEF Partial oxidation pyrolysis using air and air or steam for gasification and catalysts to increase thermal efficiency. May be used for coal or oil shale gasification. Produces fuel gas.

FLUIDIZED BEDS [01]
DA March 25, 1976
UF *Fluidized Bed*
RT CAFB Process
RT Chemical Reactions
RT Ebullated Bed
RT Fluidization
RT Fluidized Bed Boilers
RT Fluidized-Bed Combustors
RT Packed Beds
RT Suspensions

FLUIDS [01]
(Not for BODY FLUIDS.)
DA December 1, 1974
NT1 Cryogenic Fluids
NT1 Cutting Fluids
NT1 Displacement Fluids
NT1 Drilling Fluids
NT1 Fracturing Fluids
NT1 Gases
NT2 Air
NT3 Compressed Air
NT3 Surface Air
NT2 Associated Gas
NT2 Coal Gas
NT2 Compressed Gases
NT3 Compressed Air
NT2 Cosmic Gases
NT2 Cover Gas
NT2 Dissociating Gases
NT2 Dissolved Gases
NT2 Electron Gas
NT2 Exhaust Gases
NT2 Fermi Gas
NT2 Fuel Gas
NT3 High BTU Gas
NT3 Intermediate BTU Gas
NT4 Carburetted Water Gas
NT4 Town Gas
NT4 Water Gas
NT3 Low BTU Gas
NT4 Producer Gas
NT3 Natural Gas
NT4 Abiogenic Gas
NT4 Liquefied Natural Gas
NT2 Ionized Gases
NT3 Fully Ionized Gases
NT4 Lorentz Gas
NT3 Strongly Ionized Gases
NT3 Weakly Ionized Gases
NT2 Pyrolytic Gases
NT2 Rare Gases
NT3 Argon
NT3 Helium
NT3 Krypton
NT3 Neon
NT3 Radon
NT3 Xenon
NT2 Rarefied Gases
NT2 Refinery Gases
NT2 Shale Gas
NT2 Synthesis Gas
NT2 Vapors
NT3 Water Vapor
NT2 Volcanic Gases
NT1 Geothermal Fluids
NT2 Fumarolic Fluids
NT2 Natural Steam
NT1 Heat Transfer Fluids
NT1 Liquids
NT2 Black Liquids
NT2 Coal Liquids
NT2 Liquid Crystals
NT2 Liquid Metals
NT2 Magnetic Liquids
NT2 Natural Gas Liquids
NT3 Gas Condensates
NT3 Lease Condensates
NT3 Liquefied Petroleum Gases
NT3 Plant Condensates
NT1 Quantum Fluids
NT2 Helium II
NT1 Reservoir Fluids
NT1 Working Fluids
NT2 Hydraulic Fluids
NT2 Refrigerants
RT Fluid Flow
RT Fluid Mechanics
RT Pour Point

Flukes (Trematodes)
DA December 1, 1974
USE Trematodes

FLUOR ECONAMINE PROCESS
DA January 27, 1975
BT1 Desulfurization
BT2 Chemical Reactions
DEF Process using an aqueous solution of the primary alkanolamine, diglycolamine, for the removal of acidic impurities H_2S and CO_2.

FLUOR SOLVENT PROCESS
DA January 27, 1975
BT1 Desulfurization
BT2 Chemical Reactions
DEF Process using anhydrous propylene carbonate for removal of high concentrations of acidic impurities CO_2 and H_2S from natural or synthetic gas streams.

Fluoranthene
DA November 25, 1980
USE Condensed Aromatics

FLUORATES [01]
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
DA December 1, 1974
BT1 Fluorine Compounds
BT2 Halogen Compounds
BT1 Oxygen Compounds

FLUORENE [01]
DA December 1, 1974
BT1 Condensed Aromatics
BT2 Aromatics
BT3 Organic Compounds
BT1 Hydrocarbons
BT2 Organic Compounds

FLUORESCEIN [01]
DA December 1, 1974
BT1 Dyes
BT1 Hydroxy Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT1 Polyphenols
BT2 Phenols
BT3 Aromatics
BT4 Organic Compounds
BT3 Hydroxy Compounds
BT4 Organic Compounds
NT1 Erythrosine
RT Fluorescence
RT Phthalic Acid

FLUORESCENCE [01]
DA December 1, 1974
BT1 Luminescence
NT1 Resonance Fluorescence
RT Fluorescein
RT Fluorescence Spectroscopy
RT Radiationless Decay
RT Superradiance
RT X-Ray Fluorescence Analysis

FLUORESCENCE SPECTROSCOPY [01]
DA December 1, 1974
UF *Atomic Fluorescence Spectroscopy*
UF *Fluorimetry*
UF *Molecular Fluorescence Spectroscopy*
BT1 Emission Spectroscopy
BT2 Spectroscopy
RT Fluorescence
RT Laser Spectroscopy
RT Quantitative Chemical Analysis
RT X-Ray Fluorescence Analysis

Fluorescent Concentrators
DA February 11, 1980
USE Luminescent Concentrators

FLUORESCENT LAMPS
DA July 23, 1977
UF *Litek Lamp*
BT1 Light Bulbs
RT Ballasts
RT Lighting Systems

Fluorescent Penetrant Tests
DA December 1, 1974
USE Liquid Penetrant Inspection

FLUORIDE VOLATILITY PROCESS [01]
DA December 1, 1974
BT1 Pyrometallurgy
BT2 Extractive Metallurgy
BT3 Metallurgy
BT1 Reprocessing
BT2 Separation Processes
RT Distillation
RT Refining
RT Volatility

FLUORIDES [01]
DA December 1, 1974
BT1 Fluorine Compounds
BT2 Halogen Compounds
BT1 Halides
BT2 Halogen Compounds
NT1 Actinium Fluorides
NT1 Aluminium Fluorides
NT1 Americium Fluorides
NT1 Ammonium Fluorides
NT1 Antimony Fluorides
NT1 Argon Fluorides
NT1 Arsenic Fluorides
NT1 Barium Fluorides
NT1 Berkelium Fluorides
NT1 Beryllium Fluorides
NT1 Bismuth Fluorides
NT1 Boron Fluorides
NT1 Bromine Fluorides
NT1 Cadmium Fluorides
NT1 Calcium Fluorides
NT1 Californium Fluorides
NT1 Carbon Fluorides
NT1 Cerium Fluorides
NT1 Cesium Fluorides
NT1 Chlorine Fluorides
NT1 Chromium Fluorides
NT1 Cobalt Fluorides
NT1 Copper Fluorides
NT1 Curium Fluorides
NT1 Dysprosium Fluorides
NT1 Einsteinium Fluorides
NT1 Erbium Fluorides
NT1 Europium Fluorides
NT1 Francium Fluorides
NT1 Gadolinium Fluorides
NT1 Gallium Fluorides
NT1 Germanium Fluorides
NT1 Gold Fluorides
NT1 Hafnium Fluorides
NT1 Helium Fluorides
NT1 Holmium Fluorides
NT1 Indium Fluorides
NT1 Iodine Fluorides
NT1 Iridium Fluorides
NT1 Iron Fluorides
NT1 Krypton Fluorides
NT1 Lanthanum Fluorides
NT1 Lead Fluorides
NT1 Lithium Fluorides
NT1 Lutetium Fluorides
NT1 Magnesium Fluorides
NT1 Manganese Fluorides
NT1 Mercury Fluorides
NT1 Molybdenum Fluorides
NT1 Neodymium Fluorides
NT1 Neon Fluorides
NT1 Neptunium Fluorides
NT1 Nickel Fluorides
NT1 Niobium Fluorides
NT1 Nitrogen Fluorides
NT1 Osmium Fluorides
NT1 Palladium Fluorides
NT1 Phosphorus Fluorides
NT1 Platinum Fluorides
NT1 Plutonium Fluorides
NT1 Polonium Fluorides
NT1 Potassium Fluorides
NT1 Praseodymium Fluorides
NT1 Promethium Fluorides
NT1 Protactinium Fluorides
NT1 Radium Fluorides
NT1 Radon Fluorides
NT1 Rhenium Fluorides
NT1 Rhodium Fluorides
NT1 Rubidium Fluorides
NT1 Ruthenium Fluorides
NT1 Samarium Fluorides
NT1 Scandium Fluorides
NT1 Selenium Fluorides
NT1 Silicon Fluorides
NT1 Silver Fluorides
NT1 Sodium Fluorides
NT1 Strontium Fluorides
NT1 Sulfur Fluorides
NT1 Tantalum Fluorides
NT1 Technetium Fluorides
NT1 Tellurium Fluorides
NT1 Terbium Fluorides
NT1 Thallium Fluorides
NT1 Thorium Fluorides
NT1 Thulium Fluorides
NT1 Tin Fluorides
NT1 Titanium Fluorides
NT1 Tungsten Fluorides
NT1 Uranium Fluorides
NT2 Uranium Hexafluoride
NT2 Uranium Pentafluoride
NT2 Uranium Tetrafluoride
NT1 Uranyl Fluorides
NT1 Vanadium Fluorides
NT1 Xenon Fluorides
NT1 Ytterbium Fluorides
NT1 Yttrium Fluorides
NT1 Zinc Fluorides
NT1 Zirconium Fluorides
RT Fluorine Additions
RT Hydrofluoric Acid
RT Oxyfluorides

FLUORIMETERS [01]
DA January 20, 1975
BT1 Measuring Instruments
DEF An absorbing screen of varying thickness or other instrument used for measuring the intensity of fluorescence.

Fluorimetry
DA December 1, 1974
USE Fluorescence Spectroscopy

FLUORINATED ALICYCLIC HYDROCARBONS
DA February 5, 1975
BT1 Halogenated Alicyclic Hydrocarbons
BT2 Organic Halogen Compounds
BT3 Organic Compounds
BT1 Organic Fluorine Compounds
BT2 Organic Halogen Compounds
BT3 Organic Compounds

FLUORINATED ALIPHATIC HYDROCARBONS [01]
DA May 5, 1975
UF+ *Poly(Vinylidene Fluoride)*
BT1 Halogenated Aliphatic Hydrocarbons
BT2 Organic Halogen Compounds
BT3 Organic Compounds
BT1 Organic Fluorine Compounds
BT2 Organic Halogen Compounds
BT3 Organic Compounds
NT1 Carbon Tetrafluoride
NT1 Fluoroform
NT1 Methyl Fluoride
NT1 Polytetrafluoroethylene
NT2 Teflon
NT1 Tedlar
RT Chlorofluorocarbons

FLUORINATED AROMATIC HYDROCARBONS [01]
DA February 5, 1975
BT1 Halogenated Aromatic Hydrocarbons
BT2 Aromatics
BT3 Organic Compounds
BT2 Organic Halogen Compounds
BT3 Organic Compounds
BT1 Organic Fluorine Compounds
BT2 Organic Halogen Compounds
BT3 Organic Compounds

FLUORINATION [01]
DA December 1, 1974
BT1 Halogenation
BT2 Chemical Reactions

FLUORINE [01]
DA December 1, 1974
UF *Fluorine Fluorides*
BT1 Halogens
BT2 Nonmetals
BT3 Elements

FLUORINE 14 [01]
DA December 1, 1974
BT1 Fluorine Isotopes
BT2 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

FLUORINE 15 [01]
DA September 11, 1978
BT1 Fluorine Isotopes
BT2 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei

FLUORINE 16 [01]
DA December 1, 1974
BT1 Fluorine Isotopes
BT2 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei

FLUORINE 16 TARGET [01]
DA May 7, 1977
BT1 Targets

FLUORINE 17 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Fluorine Isotopes
BT2 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

FLUORINE 18 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Fluorine Isotopes
BT2 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes

BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Nanosec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

FLUORINE 18 TARGET [01]
DA August 9, 1979
BT1 Targets

FLUORINE 19 [01]
DA December 1, 1974
BT1 Fluorine Isotopes
BT2 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
RT Fluorine 19 Reactions

FLUORINE 19 BEAMS [01]
DA November 1, 1976
BT1 Ion Beams
BT2 Beams

FLUORINE 19 REACTIONS [01]
DA December 1, 1974
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions
RT Fluorine 19

FLUORINE 19 TARGET [01]
DA July 9, 1976
BT1 Targets

FLUORINE 20 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Fluorine Isotopes
BT2 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

FLUORINE 21 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Fluorine Isotopes
BT2 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

FLUORINE 22 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Fluorine Isotopes
BT2 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

FLUORINE 23 [01]
DA January 20, 1975
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Fluorine Isotopes
BT2 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

FLUORINE 24 [01]
DA January 20, 1975
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Fluorine Isotopes
BT2 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

FLUORINE 25 [01]
DA January 20, 1975
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Fluorine Isotopes
BT2 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei

FLUORINE 26 [01]
DA February 11, 1980
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Fluorine Isotopes
BT2 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei

FLUORINE 27 [01]
DA December 14, 1981
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Fluorine Isotopes
BT2 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei

FLUORINE 29 [01]
DA October 16, 1989
BT1 Fluorine Isotopes
BT2 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei

FLUORINE ADDITIONS [01]
DA January 20, 1975
RT Crystal Doping
RT Doped Materials
RT Fluorides

Fluorine Bromides
DA December 1, 1974
USE Bromine Fluorides

Fluorine Chlorides
DA December 1, 1974
USE Chlorine Fluorides

FLUORINE COMPLEXES [01]
DA December 1, 1974
BT1 Complexes

FLUORINE COMPOUNDS [01]
DA December 1, 1974
BT1 Halogen Compounds
NT1 Fluorates
* **NT1** Fluorides
NT1 Fluorine Oxides
NT1 Fluoroborates
NT1 Fluoroboric Acid
NT1 Hydrofluoric Acid
NT1 Oxyfluorides
RT Organic Fluorine Compounds

Fluorine Fluorides
DA December 1, 1974
USE Fluorine

Fluorine Iodides
DA December 1, 1974
USE Iodine Fluorides

FLUORINE IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

FLUORINE ISOTOPES [01]
DA December 1, 1974
BT1 Isotopes
NT1 Fluorine 14
NT1 Fluorine 15
NT1 Fluorine 16
NT1 Fluorine 17
NT1 Fluorine 18
NT1 Fluorine 19
NT1 Fluorine 20
NT1 Fluorine 21
NT1 Fluorine 22
NT1 Fluorine 23
NT1 Fluorine 24
NT1 Fluorine 25
NT1 Fluorine 26
NT1 Fluorine 27
NT1 Fluorine 29

FLUORINE OXIDES [01]
DA December 1, 1974
UF *Oxygen Fluorides*
BT1 Fluorine Compounds
BT2 Halogen Compounds
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds

FLUORITE [01]
DA December 1, 1974
BT1 Halide Minerals
BT2 Minerals
RT Calcium Fluorides

FLUOROBORATES
DA January 28, 1975
BT1 Boron Compounds
BT1 Fluorine Compounds
BT2 Halogen Compounds
RT Boron Fluorides
RT Fluoroboric Acid

FLUOROBORIC ACID [01]
DA February 22, 1985
BT1 Boron Compounds
BT1 Fluorine Compounds
BT2 Halogen Compounds
BT1 Inorganic Acids
BT2 Hydrogen Compounds
RT Fluoroborates

Fluorod
DA December 1, 1974
USE RPL Dosemeters

FLUORODEOXYGLUCOSE [01]
DA October 25, 1985
BT1 Antimetabolites
BT2 Drugs
RT Glucose

Fluorodeoxyuridine
DA December 1, 1974
USE FUDR

FLUOROFORM [01]
DA December 1, 1974
BT1 Fluorinated Aliphatic Hydrocarbons
BT2 Halogenated Aliphatic Hydrocarbons
BT3 Organic Halogen Compounds
BT4 Organic Compounds
BT2 Organic Fluorine Compounds
BT3 Organic Halogen Compounds
BT4 Organic Compounds

FLUOROSCOPY [01]
DA December 1, 1974
BT1 Biomedical Radiography
BT2 Diagnostic Techniques
BT2 Radiology
BT3 Nuclear Medicine
BT4 Medicine
RT Image Intensifiers
RT X Radiation

FLUOROURACILS [01]
DA December 1, 1974
BT1 Antimetabolites
BT2 Drugs
BT1 Organic Fluorine Compounds
BT2 Organic Halogen Compounds
BT3 Organic Compounds
BT1 Uracils
BT2 Hydroxy Compounds
BT3 Organic Compounds
BT2 Pyrimidines
BT3 Azines
BT4 Heterocyclic Compounds
BT5 Organic Compounds
BT4 Organic Nitrogen Compounds
BT5 Organic Compounds
NT1 FUDR

FLUOROX PROCESS [01]
DA December 1, 1974
BT1 Reprocessing
BT2 Separation Processes
RT Solvent Extraction

Fluors
DA May 17, 1976
USE Phosphors

FLUREX PROCESS [01]
DA December 1, 1974
BT1 Reprocessing
BT2 Separation Processes
RT Solvent Extraction

FLUTE INSTABILITY [01]
DA December 1, 1974
UF *Interchange Instability*
BT1 Plasma Macroinstabilities
BT2 Plasma Instability
BT3 Instability
RT Hydrodynamics
RT Mercier Criterion

Flux (Cosmic Ray)
DA December 1, 1974
USE Cosmic Ray Flux

Flux (Magnetic)
DA December 1, 1974
USE Magnetic Flux

Flux (Metallurgy)
DA December 1, 1974
USE Metallurgical Flux

Flux (Neutron)
DA December 1, 1974
USE Neutron Flux

Flux (Radiation)
DA May 17, 1976
USE Radiation Flux

FLUX CONSERVING TOKAMAKS
DA August 7, 1979
UF *FCT*
RT Tokamak Devices

FLUX DENSITY [01]
(Use in coordination with the flux considered, e.g. MAGNETIC FLUX, NEUTRON FLUX, etc.)
DA December 1, 1974
UF *Density (Flux)*
UF+ *Neutron Flux Density*
NT1 Radiant Flux Density
RT Magnetic Flux
RT Poynting Theorem
RT Radiation Flux

Flux Jumps
DA December 1, 1974
USE Magnetic Flux

Flux Pinning
DA December 1, 1974
USE Magnetic Flux

FLUX PUMPS [01]
DA January 30, 1975
UF *Superconducting Flux Pumps*
BT1 Electric Generators
BT1 Superconducting Devices
DEF A cryogenic dc generator.

FLUX QUANTIZATION [01]
DA June 12, 1975
RT Magnetic Flux
RT Superconductivity

FLUX SYNTHESIS [01]
DA December 1, 1974
RT Neutron Diffusion Equation
RT Neutron Flux

FLUXGATE MAGNETOMETERS [01]
DA December 1, 1974
UF *Saturable Core Magnetometers*
BT1 Magnetometers
BT2 Measuring Instruments

FLUXMETERS [01]
DA December 1, 1974
BT1 Measuring Instruments
NT1 SQUID Devices
RT Magnetometers

Fluxoids
DA December 1, 1974
USE Magnetic Flux

FLY ASH [01]
DA April 15, 1975
UF *Pulverized Fuel Ash*
BT1 Aerosol Wastes
BT2 Wastes
BT1 Ashes
BT2 Combustion Products
BT2 Residues
RT Air Pollution
RT Hichlor Process
RT Lime-Soda Sinter Process
RT Particulates

FLYING SPOT DIGITIZERS [01]
(Mechanical flying spot digitizers; see also CATHODE RAY TUBE DIGITIZERS.)
DA December 1, 1974
UF *FSD Devices*
UF *Hough-Powell Devices*
UF *HPD Devices*
BT1 Digitizers
BT2 Signal Conditioners
BT3 Pulse Circuits
BT4 Electronic Circuits

FLYWHEEL ENERGY STORAGE [01]
DA October 13, 1976
BT1 Energy Storage
BT2 Storage
RT Flywheel-Powered Vehicles
RT Flywheels

FLYWHEEL-POWERED VEHICLES
DA March 27, 1979
BT1 Vehicles
RT Flywheel Energy Storage
RT Flywheels

FLYWHEELS [01]
DA January 20, 1975
BT1 Mechanical Energy Storage Equipment
RT Energy Storage
RT Flywheel Energy Storage
RT Flywheel-Powered Vehicles
RT Rotors

FM DEVICES [01]
(Floating multipoles.)
DA December 1, 1974
BT1 Internal Ring Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices
RT Multipolar Configurations

FMC DOUBLE ALKALI PROCESS
DA May 25, 1979
BT1 Desulfurization
BT2 Chemical Reactions
RT Waste Processing
DEF Desulfurization process in which SO_2 is absorbed in sodium sulfite forming bisulfite. This solution is reacted with slaked lime to form solid calcium sulfite and regenerate the sodium sulfite.

FMIT Facility
DA August 9, 1979
USE FMIT Linac

FMIT LINAC [01]
(Linear Accelerator at the Hanford Fusion Materials Irradiation Test Facility.)
DA January 24, 1980
UF *FMIT Facility*
BT1 Linear Accelerators
BT2 Accelerators
RT Materials Testing
RT Quadrupole Linacs
RT Thermonuclear Reactor Materials

FMRB REACTOR [01]
(Physikalisch-Technische Bundesanstalt, Braunschweig, Niedersachsen, Federal Republic of Germany.)
DA December 1, 1974
UF *Braunschweig Experimental Reactor*
UF *Braunschweig Research Reactor*
UF *Forschungs und Messreaktor Braunschweig*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors

FNR REACTOR [01]
(University of Michigan, Ann Arbor, Michigan)
DA December 1, 1974
UF *Ford Nuclear Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors

BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors

FOAM-LIFT CYCLES
DA August 12, 1980
UF *OTEC Foam-Lift Cycle*
SF *Beck Cycle*
BT1 Lift Cycles
BT2 Thermodynamic Cycles

FOAM SEPARATION [01]
DA December 1, 1974
BT1 Separation Processes
RT Flotation
RT Foams

FOAMS [01]
DA December 1, 1974
BT1 Colloids
BT2 Dispersions
NT1 Plastic Foams
NT1 Urea-Formaldehyde Foams
RT Boiling Detection
RT Bubbles
RT Foam Separation

Foce Verde Reactor
DA December 1, 1974
USE Latina Reactor

Fock Method
DA December 1, 1974
USE Hartree-Fock Method

FOCK REPRESENTATION [01]
DA December 1, 1974
RT Mathematical Space
RT Quantum Field Theory

Fock Self-Consistent Field
DA December 1, 1974
USE Hartree-Fock Method

FOCUSING [01]
DA December 1, 1974
RT Beam Optics
RT Beam Shaping
RT Tomography

FOCUSONS [01]
DA January 20, 1975
BT1 Quasi Particles

Focussed Logging
DA May 2, 1979
USE Resistivity Logging

FOG [01]
DA March 8, 1977
RT Atmospheric Precipitations
RT Vapor Condensation
RT Visibility
RT Water Vapor

Fog (Sprays)
DA December 1, 1974
USE Sprays

FOG COOLED REACTORS [01]
DA December 1, 1974
BT1 Reactors
RT Core Spray Systems
RT Fog Cooling

FOG COOLING [01]
DA December 1, 1974
BT1 Cooling
RT Core Spray Systems
RT Fog Cooled Reactors

FOILS [01]
(Thinner than PLATES or SHEETS.)
DA December 1, 1974
RT Films
RT Sheets

Fokker-Planck Coefficients
DA December 1, 1974
USE Fokker-Planck Equation

FOKKER-PLANCK EQUATION [01]
DA December 1, 1974
UF *Bessel Differential Equation*
UF *Fokker-Planck Coefficients*
BT1 Partial Differential Equations
BT2 Differential Equations
BT3 Equations
RT Ionized Gases
RT Transport Theory

FOLDING MODEL [01]
DA December 8, 1989
BT1 Nuclear Models
BT2 Mathematical Models

FOLDY-WOUTHUYSEN TRANSFORM [01]
DA December 1, 1974
BT1 Canonical Transformations
BT2 Transformations
RT Dirac Equation

Foliage
DA December 1, 1974
USE Leaves

FOLIAR UPTAKE [01]
DA December 1, 1974
UF *Absorption (Leaves)*
BT1 Uptake
RT Leaves

FOLIC ACID [01]
DA December 1, 1974
UF *Formylpteroic Acid*
UF *Pteroylglutamic Acid*
UF *Rhizopterin*
BT1 Amino Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT1 Hematinics
BT2 Hematologic Agents
BT3 Drugs
BT1 Hydroxy Compounds
BT2 Organic Compounds
BT1 Pteridines
BT2 Azaarenes
BT3 Aromatics
BT4 Organic Compounds
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
BT1 Vitamin B Group
BT2 Vitamins
RT Anemias
RT Blood Coagulation Factors
RT Citrovorum Factor
RT PABA

Folinic Acid
DA December 1, 1974
USE Citrovorum Factor

Follicle Stimulating Hormone
DA December 1, 1974
USE FSH

Fong-Newton Theory
DA December 1, 1974
USE Fong Theory

FONG THEORY [01]
DA December 1, 1974
UF *Fong-Newton Theory*
RT Fission Products

Fontenay-Aux-Roses (CEA)
DA December 1, 1974
USE CEA Fontenay-Aux-Roses

Fontina Event
DA June 21, 1977
USE Anvil Project

FOOD [01]
DA December 1, 1974
UF *Foodstuffs*
NT1 Animal Feeds
NT2 Forage
NT1 Beverages
NT1 Bread
NT1 Cocoa Products
NT1 Flour
NT1 Fruits
NT2 Apples
NT2 Apricots
NT2 Avocados
NT2 Bananas
NT2 Berries
NT3 Blueberries
NT2 Cherries
NT2 Coconuts
NT2 Dates
NT2 Figs
NT2 Grapefruits
NT2 Grapes
NT2 Lemons
NT2 Mangoes
NT2 Nuts
NT3 Chestnuts
NT2 Olives
NT2 Oranges
NT2 Papayas
NT2 Peaches
NT2 Pears
NT2 Pineapples
NT2 Plums
NT2 Raspberries
NT2 Strawberries
NT2 Tomatoes
NT1 Honey
NT1 Meat
NT1 Milk
NT1 Milk Products
NT2 Butter
NT2 Cheese
NT2 Whey
NT1 Seafood
NT1 Vegetables
NT2 Beans
NT3 Mungbeans
NT2 Beets
NT3 Sugar Beets
NT2 Brassica
NT3 Kale
NT2 Carrots
NT2 Cucumbers
NT2 Garlic
NT2 Kale
NT2 Lettuce
NT2 Onions
NT3 Allium Cepa
NT2 Peas
NT2 Peppers
NT2 Potatoes
NT2 Radishes
NT2 Soybeans
NT2 Spinach
NT2 Yams
RT Agriculture
RT Biological Materials
RT Carbohydrates
RT Cassava
RT Cereals
RT Condiments
RT Consumer Products
RT Crops
RT Diet
RT Drinking Water
RT Eggs
RT FAO
RT Fats
RT Feeding
RT Fishes
RT Food Additives
RT Food Chains
RT Food Processing
RT Fowl
RT IFIP
RT Ingestion
RT Nutrients
RT Nutrition
RT Organoleptic Properties

RT Preservation
RT Proteins
RT Radicidation
RT Radiopreservation
RT Restaurants
RT Spices
RT Sterilization
RT Vitamins
RT Wholesomeness

→**FOOD ADDITIVES [01]**
DA February 5, 1992
BT1 Additives
RT Animal Feeds
RT Diet
RT Drugs
RT Food
RT Vitamins

Food and Agriculture Organization
DA December 1, 1974
USE FAO

Food and Drug Administration
DA June 14, 1978
USE US FDA

FOOD CHAINS [01]
DA December 1, 1974
RT Diet
RT Energy Budgets
RT Environmental Exposure Pathway
RT Fallout Deposits
RT Food
RT Plaice
RT Predator-Prey Interactions
RT Radioecological Concentration
RT Radionuclide Migration

FOOD DISPOSERS
DA June 21, 1977
RT Electric Appliances

FOOD INDUSTRY [01]
DA January 10, 1977
BT1 Industry
NT1 Dairy Industry
NT1 Meat Industry
RT Beverage Industry
RT Food Processing
RT Restaurants
RT Whey

Food Irradiation
DA December 1, 1974
USE Food Processing
AND Irradiation

FOOD PROCESSING [01]
DA July 7, 1976
UF+ *Food Irradiation*
SF *Cooking*
BT1 Processing
RT Food
RT Food Industry
RT Radiopreservation
RT Storage Life
DEF Includes simple food preparation such as cooking, as well as canning, freezing, etc., either by individuals or commercial establishments.

Foodstuffs
DA December 1, 1974
USE Food

FORAGE [01]
DA December 1, 1974
BT1 Animal Feeds
BT2 Food
RT Cattle
RT Clover
RT Glycine Hispida
RT Gramineae
RT Grazing
RT Pastures
RT Plants

FORAMINIFERA [01]
DA May 13, 1976
BT1 Sarcodina
BT2 Protozoa
BT3 Invertebrates
BT4 Animals
BT3 Microorganisms
DEF An order of sarcodine protozoa, characterized by delicate calcareous shells with holes through which pseudopods are extruded.

FORATOM [01]
(Forum Atomique Europeen.)
DA April 28, 1978
BT1 International Organizations

FORBIDDEN TRANSITIONS [01]
DA December 1, 1974
UF *Transitions (Forbidden)*
BT1 Energy-Level Transitions
RT Decay
RT Selection Rules

FORBUSH DECREASE [01]
DA December 1, 1974
UF *Forbush Depression*
UF *Forbush Event*
RT Cosmic Radiation
RT Magnetic Storms
RT Solar Flares
RT Solar Wind

Forbush Depression
DA December 1, 1974
USE Forbush Decrease

Forbush Event
DA December 1, 1974
USE Forbush Decrease

FORCE-FREE MAGNETIC FIELDS [01]
DA December 1, 1974
BT1 Magnetic Fields
RT Astrophysics

FORCED CONVECTION [01]
DA December 1, 1974
BT1 Convection
BT2 Heat Transfer
BT3 Energy Transfer
BT2 Mass Transfer
RT Mechanical Draft Cooling Towers

Forced Draft Cooling Towers
DA February 20, 1975
USE Mechanical Draft Cooling Towers

FORCING FUNCTIONS
(A force exerted on a system or system component.)
DA November 20, 1986
RT Feedback

Ford Nuclear Reactor
DA December 1, 1974
USE FNR Reactor

FORECASTING [01]
DA December 1, 1974
UF *Prediction*
NT1 Delphi Method
NT1 Projection Series
RT Complex Terrain
RT Cost Estimation
RT Economic Policy
RT Economy
RT Evaluation
RT Management
RT Market
RT Marketing Research
RT Regression Analysis
RT Schedules
RT Time-Series Analysis
RT Weather

FOREIGN EXCHANGE RATE [01]
DA March 29, 1980
UF *Exchange Rate*
RT Economics
RT Trade
DEF The price of one currency in terms of another.

FOREIGN POLICY
DA August 4, 1976
SF *Policy*
BT1 Government Policies
RT Balance Of Power
RT Economic Policy
RT Embargoes
RT Energy Policy
RT Exports
RT Imports
RT International Agreements
RT International Cooperation
RT Military Assistance
RT SALT Talks

Forensic Science
DA August 7, 1978
USE Crime Detection

FORESHOCKS
DA July 5, 1978
RT Aftershocks
RT Earthquakes
DEF A small tremor that commonly precedes a larger earthquake by seconds to weeks and that originates at or near the focus of the larger earthquake.

FOREST LITTER [01]
(Natural organic debris on the forest floor.)
DA May 5, 1975
BT1 Biological Materials
BT2 Materials
RT Coppices
RT Ecosystems
RT Forests
RT Humus
RT Leaves

FORESTRY [01]
DA July 23, 1977
NT1 Silviculture
RT Deforestation
RT Forests
RT Harvesting Equipment
RT Paper Industry
RT Short Rotation Cultivation
RT Wood Products Industry

FORESTS [01]
DA December 1, 1974
NT1 Coppices
RT Canopies
RT Deforestation
RT Forest Litter
RT Forestry
RT Ground Cover
RT Interception
RT Stand Density
RT Terrestrial Ecosystems
RT Throughfall
RT Trees

FORGE WELDING [01]
DA December 1, 1974
UF *Roll Welding*
BT1 Welding
BT2 Joining
BT3 Fabrication

FORGING [01]
DA December 1, 1974
BT1 Materials Working
BT2 Fabrication
RT Cold Working
RT Dies
RT Hot Working
RT Presses
RT Pressing
RT Swaging

FORKED RIVER-1 REACTOR [01]
(Forked River, New Jersey, USA)
DA December 1, 1974
UF *Oyster Creek-2 Reactor*
BT1 PWR Type Reactors

BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

FORM FACTORS [01]
DA December 1, 1974
BT1 Particle Properties
NT1 Dirac Form Factors
NT1 Electromagnetic Form Factors
NT1 Pauli Form Factors
RT Nuclear Reactions
RT Vertex Functions

Formal
DA December 1, 1974
USE Methylal

FORMALDEHYDE [01]
DA December 1, 1974
UF *Formalin*
UF *Formalith*
UF *Formic Aldehyde*
UF *Formol*
UF *Oxymethylene*
BT1 Aldehydes
BT2 Organic Compounds
RT Bakelite
RT Formyl Radicals
RT Methylal
RT Polyoxymethylenes
RT Urea-Formaldehyde Foams

FORMALDEHYDE FUEL CELLS [01]
DA January 7, 1976
BT1 Fuel Cells
BT2 Direct Energy Converters
BT2 Electrochemical Cells

Formaldehydedimethylacetal
DA December 1, 1974
USE Methylal

Formalin
DA December 1, 1974
USE Formaldehyde

Formalith
DA December 1, 1974
USE Formaldehyde

FORMAMIDE [01]
DA December 1, 1974
BT1 Amides
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
RT Formic Acid

FORMATE FUEL CELLS [01]
DA June 12, 1975
BT1 Fuel Cells
BT2 Direct Energy Converters
BT2 Electrochemical Cells

FORMATES [01]
DA January 20, 1975
BT1 Carboxylic Acid Salts
RT Formic Acid

Formation
DA December 1, 1974
USE Synthesis

FORMATION DAMAGE [01]
DA January 21, 1983
UF *Condition Ratio*
UF *Damage Factor*
UF *Damage Ratio*
UF *Damage Zone*
UF *Improvement Ratio*
UF *Permeability Damage*
UF *Permeability Reduction*
UF *Porosity Reduction*
UF *Productivity Factor*
UF *Skin Damage*
UF *Skin Effect (Well)*
UF *Well Bore Damage*
UF *Well Skin Effect*
RT Geologic Formations
DEF Pertains to conditions in rock surrounding the well bore which adversely affect well production.

FORMATION FREE ENERGY [01]
DA December 1, 1974
BT1 Free Energy
BT2 Energy
BT2 Thermodynamic Properties
BT3 Physical Properties
RT Formation Heat

FORMATION FREE ENTHALPY [01]
DA May 17, 1976
UF *Gibbs Formation Free Energy*
BT1 Free Enthalpy
BT2 Energy
BT2 Thermodynamic Properties
BT3 Physical Properties

FORMATION HEAT [01]
DA December 1, 1974
UF *Heat of Formation*
BT1 Reaction Heat
BT2 Enthalpy
BT3 Thermodynamic Properties
BT4 Physical Properties
RT Dissociation Energy
RT Dissociation Heat
RT Formation Free Energy
RT Thermochemical Heat Storage

Formation Pressure
DA September 11, 1978
USE Reservoir Pressure

Formation Water
DA November 17, 1976
USE Interstitial Water

FORMED COKE PROCESSES
DA August 24, 1976
RT Briquetting
RT Coke
RT Coke Ovens
DEF Processes for forming compressed coal briquets of uniform size and with sufficient strength after carbonization for blast furnace use.

FORMIC ACID [01]
DA December 1, 1974
BT1 Monocarboxylic Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
RT Formamide
RT Formates

FORMIC ACID FUEL CELLS [01]
DA April 19, 1976
BT1 Fuel Cells
BT2 Direct Energy Converters
BT2 Electrochemical Cells

Formic Aldehyde
DA December 1, 1974
USE Formaldehyde

Forming (Materials)
DA December 1, 1974
USE Materials Working

Formol
DA December 1, 1974
USE Formaldehyde

Formosa
DA January 28, 1975
USE Taiwan

FORMVAR [01]
DA December 1, 1974
BT1 Plastics
BT2 Petrochemicals
BT3 Petroleum Products
BT2 Synthetic Materials
BT3 Materials
BT1 Polyacetals
BT2 Organic Polymers
BT3 Organic Compounds
BT3 Polymers

FORMYL RADICALS [01]
DA March 27, 1975
BT1 Acyl Radicals
BT2 Radicals
RT Formaldehyde

Formylpteroic Acid
DA December 1, 1974
USE Folic Acid

Forschungs und Messreaktor Braunschweig
DA December 1, 1974
USE FMRB Reactor

Forschungsreaktor-2 Frankfurt
DA December 1, 1974
USE FRF-2 Reactor

Forschungsreaktor Berlin-2
DA December 1, 1974
USE BER-2 Reactor

Forschungsreaktor Frankfurt
DA December 1, 1974
USE FRF Reactor

Forschungsreaktor Geesthacht-1
DA December 1, 1974
USE FRG-1 Reactor

Forschungsreaktor Geesthacht-2
DA December 1, 1974
USE FRG-2 Reactor

Forschungsreaktor Muenchen
DA December 1, 1974
USE FRM Reactor

Forschungsreaktor Neuherberg
DA December 1, 1974
USE FRN Reactor

FORSMARK-1 REACTOR [01]
(Oesthammar, Uppsala, Sweden)
DA December 1, 1974
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors

FORSMARK-2 REACTOR [01]
(Oesthammar, Uppsala, Sweden)
DA April 13, 1977
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

FORSMARK-3 REACTOR [01]
(Oesthammar, Uppsala, Sweden)
DA November 1, 1976
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors

BT2 Water Moderated Reactors
BT3 Reactors

Fort Calhoun-1 Reactor
DA September 13, 1978
USE Calhoun-1 Reactor

Fort Calhoun-2 Reactor
DA September 13, 1978
USE Calhoun-2 Reactor

Fort Shevchenko Reactor
DA December 1, 1974
USE BN-350 Reactor

Fort St. Vrain Reactor
DA December 1, 1974
USE Vrain Reactor

Fort Worth ASTR Reactor
DA December 1, 1974
USE ASTR Reactor

Fort Worth GTR Reactor
DA December 1, 1974
USE GTR Reactor

FORTH
DA September 5, 1986
BT1 Programming Languages

Fortissimo Reactor
DA August 19, 1975
USE Rapsodie Reactor

FORTRAN [01]
DA December 1, 1974
BT1 Programming Languages

FOSSIL-FUEL POWER PLANTS [01]
DA December 1, 1974
UF+ *Mine-Mouth Generating Plants*
BT1 Thermal Power Plants
BT2 Power Plants
NT1 Kingston Steam Plant
NT1 Paradise Steam Plant
NT1 San Juan Power Plant
NT1 Shawnee Steam Plant
NT1 Widows Creek Steam Plant
RT Boiler Fuels
RT Coal-Fired Gas Turbines
RT Electric Utilities
RT MHD Power Plants
RT Solar Repowering
RT US Power Plant and Industrial Fuel Use Act

Fossil Fuel Reserves
DA June 30, 1975
USE Fossil Fuels
AND Reserves

FOSSIL FUELS [01]
DA December 1, 1974
UF+ *Fossil Fuel Reserves*
BT1 Energy Sources
BT1 Fuels
NT1 Coal
NT2 Black Coal
NT3 Anthracite
NT3 Bituminous Coal
NT2 Brown Coal
NT3 Lignite
NT2 Coal Fines
NT2 Sapropelic Coal
NT3 Boghead Coal
NT4 Torbanite
NT3 Cannel Coal
NT2 Subbituminous Coal
NT1 Natural Gas
NT2 Abiogenic Gas
NT2 Liquefied Natural Gas
NT1 Oil Sands
NT1 Oil Shales
NT1 Peat
NT1 Petroleum
NT2 Petroleum Fractions
NT3 Petroleum Distillates
NT4 Gas Oils
NT5 Diesel Fuels
NT5 Heating Oils
NT5 Kerosene
NT3 Petroleum Residues
NT3 Refinery Gases
NT2 Residual Petroleum
NT2 Sour Crudes
NT1 Shale Oil
NT2 Shale Oil Fractions
RT Briquets
RT Coke
RT Fuel Feeding Systems
RT Fuel Substitution
RT US Power Plant and Industrial Fuel Use Act

FOSSILS [01]
DA February 14, 1978
UF *Plant Fossils*
UF *Skeletal Fossils*
RT Age Estimation
RT Animals
RT Archaeological Specimens
RT Paleoclimatology
RT Paleontology
RT Sedimentary Rocks
DEF Remains, traces, or imprint of an organism preserved in the earth's crust some time in geologic past.

Foster Wheeler Gasification Process
DA May 7, 1977
USE Combined-Cycle FW Process

FOUCAULT CURRENT
DA January 20, 1975
BT1 Electric Currents
BT2 Currents
RT Electric Conductors
RT Magnetic Flux
DEF Current induced in interior of conductors by variations of magnetic flux.

FOULING [01]
DA November 28, 1975
NT1 Biological Fouling
RT Antifoulants
RT Contamination
RT Corrosion
RT Deposits
RT Water Pollution
DEF Deposition of unwanted materials on equipment, e.g. heat exchangers, usually in a water environment.

FOUNDATIONS [01]
DA January 30, 1975
UF *Piles*
BT1 Supports
BT2 Mechanical Structures
RT Basements
RT Buildings
RT Construction
RT Excavation
RT Soil-Structure Interactions

FOUNDRIES [01]
DA August 4, 1976
BT1 Industrial Plants
RT Casting
RT Metal Industry

FOUR-BODY PROBLEM [01]
DA December 1, 1974
BT1 Many-Body Problem

FOUR-DIMENSIONAL CALCULATIONS [01]
DA December 1, 1974
UF *4-Dimensional Calculations*
UF *Calculations (4-Dimensional)*
RT Many-Dimensional Calculations
RT Mathematics

Four-Fermion Interaction
DA December 1, 1974
USE Fermi Interactions

FOUR MOMENTUM TRANSFER [01]
DA April 28, 1978
UF *Transfer (Four Momentum)*
UF *Transfer (Q-Squared)*
BT1 Momentum Transfer
RT Cross Sections
RT Electromagnetic Form Factors
RT Linear Momentum Transfer
RT Particle Interactions
RT Rosenbluth Formula
RT Scattering

Four-Nucleon Structure
DA December 1, 1974
USE Quartet Model

FOUR-NUCLEON TRANSFER REACTIONS [01]
DA December 1, 1974
BT1 Multi-Nucleon Transfer Reactions
BT2 Transfer Reactions
BT3 Direct Reactions
BT4 Nuclear Reactions
NT1 Alpha-Transfer Reactions

FOUR-PI COUNTING [01]
DA December 1, 1974
BT1 Counting Techniques

Four Wave Mixing
DA January 14, 1986
USE Frequency Mixing

FOURIER ANALYSIS [01]
DA December 1, 1974
UF *Analysis (Fourier)*
RT Frequency Analysis
RT Mathematics
RT Normal-Mode Analysis

FOURIER HEAT EQUATION [01]
DA December 1, 1974
BT1 Partial Differential Equations
BT2 Differential Equations
BT3 Equations
RT Heat Transfer

FOURIER TRANSFORM SPECTROMETERS [01]
DA July 20, 1983
BT1 Spectrometers
BT2 Measuring Instruments
RT Emission Spectroscopy

FOURIER TRANSFORMATION [01]
DA December 1, 1974
BT1 Integral Transformations
BT2 Transformations

FOURMARIERITE [01]
DA December 1, 1974
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
RT Lead Oxides
RT Uranium Oxides

FOURTH SOUND [01]
DA December 1, 1974
RT Sound Waves
RT Superfluidity

FOWL [01]
DA December 1, 1974
UF *Poultry*
BT1 Birds
BT2 Vertebrates
BT3 Animals
NT1 Chickens
NT1 Ducks
NT1 Geese
RT Food
RT Pigeons

Fowler Equation
DA December 1, 1974
USE Fowler-Nordheim Theory

FOWLER-NORDHEIM THEORY [01]
DA December 1, 1974
UF *Fowler Equation*
RT Photoelectric Effect

FOXES [01]
DA March 12, 1985
UF *Urocyon*
UF *Vulpes*
BT1 Mammals
BT2 Vertebrates
BT3 Animals
RT Coyotes
RT Dogs
RT Wild Animals
RT Wolves

FPC
DA October 13, 1976
USE US Federal Power Commission

FPC Gas Areas
DA December 10, 1979
USE FERC Gas Areas

FR-0 REACTOR [01]
DA December 1, 1974
UF *Studsvik FR-0 Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Fast Reactors
BT2 Epithermal Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

FR-2 REACTOR [01]
(Gesellschaft fuer Kernforschung mbH, Karlsruhe, Baden Wuerttemberg, Federal Republic of Germany.)
DA December 1, 1974
UF *Karlsruhe Research Reactor FR-2*
BT1 Heavy Water Cooled Reactors
BT2 Reactors
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

Fracer-Fulco Method
DA December 1, 1974
USE Dispersion Relations

FRACTALS [01]
(Fractals have structure which locks the same for any level of magnification.)
DA June 9, 1987
RT Metrics
RT Topology

FRACTIONAL-PARENTAGE COEFFICIENTS [01]
DA December 1, 1974
RT Orbital Angular Momentum
RT Wave Functions
DEF Numerical coefficients for proper antisymmetric combinations of wave functions for (n-1) and 1 particles to form wave functions for n-particle states.

FRACTIONATED IRRADIATION [01]
DA December 1, 1974
UF *Dose Fractionation*
UF *Split Dose Irradiation*
BT1 Irradiation
RT Cumulative Radiation Effects
RT Dose-Response Relationships
RT Radiation Doses
RT Radiotherapy
RT Temporal Dose Distributions

FRACTIONATION [01]
DA April 8, 1975
BT1 Separation Processes
RT Distillation
RT Two-Dimensional Electrophoresis

FRACTOGRAPHY [01]
DA December 1, 1974
RT Ceramography
RT Fractures
RT Metallography
RT Photomicrography

FRACTURE MECHANICS [01]
DA October 7, 1980
BT1 Mechanics
RT Crack Propagation
RT Cracks
RT Defects
RT Fracture Properties
RT Fractures
RT Stress Intensity Factors

FRACTURE PROPERTIES [01]
DA December 1, 1974
UF *Fracture Strength*
UF *Fracture Toughness*
UF *Strength (Fracture)*
UF *Toughness (Fracture)*
BT1 Mechanical Properties
RT Cracks
RT Failures
RT Fracture Mechanics
RT Fractures
RT Helium Embrittlement
RT Hydrogen Embrittlement
RT Ruptures
RT Stress Intensity Factors

Fracture Strength
DA December 1, 1974
USE Fracture Properties

Fracture Toughness
DA December 1, 1974
USE Fracture Properties

Fractured Formations
DA August 24, 1977
USE Fractured Reservoirs

FRACTURED RESERVOIRS [01]
DA August 24, 1977
UF *Fissured Formations*
UF *Fractured Formations*
RT Geologic Fissures
RT Reservoir Rock

FRACTURES [01]
DA December 1, 1974
BT1 Failures
NT1 Hydraulic Fractures
NT1 Thermal Fractures
RT Crack Propagation
RT Cracks
RT Defects
RT Deformation
RT Explosive Fracturing
RT Fractography
RT Fracture Mechanics
RT Fracture Properties
RT Fracturing
RT Geologic Fissures
RT Geologic Fractures
RT Hydraulic Fracturing
RT Ruptures
RT Stress Intensity Factors

Fractures (Bone)
DA December 1, 1974
USE Bone Fractures

FRACTURING [01]
DA February 26, 1975
NT1 Electrolinking
NT1 Explosive Fracturing
NT2 SOLFRAC Process
NT1 Hydraulic Fracturing
NT1 Thermal Fracturing
RT Comminution
RT Enhanced Recovery
RT Fractures
RT Surface Mining
RT Underground Mining

FRACTURING FLUIDS
DA October 5, 1982
UF *Hydraulic Fracturing Fluids*
BT1 Fluids
RT Hydraulic Fractures
RT Hydraulic Fracturing
RT Well Stimulation

FRAGMENTATION [01]
DA May 5, 1975
UF *Shattering*
RT Comminution
RT Crushing

Fragments (Decay)
DA December 1, 1974
USE Decay

Fragments (Fallout)
DA December 1, 1974
USE Fallout

Fragments (Fission)
DA December 1, 1974
USE Fission Fragments

Fragments (Particles)
DA December 1, 1974
USE Particles

Fragments (Spallation)
DA December 20, 1978
USE Spallation Fragments

FRANCE [01]
DA December 1, 1974
BT1 Developed Countries
BT1 Western Europe
BT2 Europe
RT Alps
RT Bay of Biscay
RT CEA
RT CNRS Solar Facility
RT OECD
RT Rhine River
RT Rhone River

FRANCEVILLITE [01]
DA December 1, 1974
BT1 Oxide Minerals
BT2 Minerals
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
RT Uranium Oxides
RT Vanadium Oxides

FRANCIUM [01]
DA December 1, 1974
BT1 Alkali Metals
BT2 Metals
BT3 Elements

FRANCIUM 201 [01]
DA September 6, 1979
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Francium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BT1 Odd-Even Nuclei
BT2 Nuclei

FRANCIUM 202 [01]
DA September 6, 1979
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Francium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

FRANCIUM 203 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Francium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

FRANCIUM 204 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Francium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

FRANCIUM 205 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Francium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

FRANCIUM 206 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Francium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

FRANCIUM 207 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Francium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

FRANCIUM 208 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Francium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

FRANCIUM 209 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Francium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

FRANCIUM 210 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Francium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

FRANCIUM 211 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Francium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Nanosec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

FRANCIUM 212 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Francium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Microsec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Nanosec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

FRANCIUM 213 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Francium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Microsec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Nanosec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

FRANCIUM 214 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Francium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

FRANCIUM 215 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes

BT2 Radioisotopes
BT3 Isotopes
BT1 Francium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Nanosec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

FRANCIUM 216 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Francium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Nanosec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

FRANCIUM 217 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Francium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Microsec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

FRANCIUM 218 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Francium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Microsec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

FRANCIUM 219 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Francium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

FRANCIUM 220 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Francium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

FRANCIUM 221 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Francium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

FRANCIUM 222 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Francium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

FRANCIUM 223 [01]
DA December 1, 1974
UF *Actinium K*
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Francium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

FRANCIUM 224 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Francium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

FRANCIUM 225 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Francium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

FRANCIUM 226 [01]
DA August 24, 1976
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Francium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

FRANCIUM 227 [01]
DA August 19, 1975
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Francium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

FRANCIUM 228 [01]
DA August 19, 1975
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Francium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

FRANCIUM 229 [01]
DA August 19, 1975
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Francium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

FRANCIUM 230 [01]
DA September 6, 1979
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes

BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

FRANCIUM 231 [01]
DA May 31, 1985
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Francium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

→**FRANCIUM 232 [01]**
DA January 15, 1991
BT1 Francium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

FRANCIUM ADDITIONS [01]
DA December 1, 1974
BT1 Francium Alloys
BT2 Alloys

FRANCIUM ALLOYS [01]
DA December 1, 1974
BT1 Alloys
NT1 Francium Additions
NT1 Francium Base Alloys

FRANCIUM BASE ALLOYS [01]
DA December 1, 1974
BT1 Francium Alloys
BT2 Alloys

FRANCIUM BROMIDES [01]
DA December 1, 1974
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Francium Compounds
BT2 Alkali Metal Compounds

FRANCIUM CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Francium Compounds
BT2 Alkali Metal Compounds

FRANCIUM COMPLEXES [01]
DA December 1, 1974
BT1 Alkali Metal Complexes
BT2 Complexes

FRANCIUM COMPOUNDS [01]
DA December 1, 1974
BT1 Alkali Metal Compounds
NT1 Francium Bromides
NT1 Francium Chlorides
NT1 Francium Fluorides
NT1 Francium Iodides
NT1 Francium Oxides

FRANCIUM FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Francium Compounds
BT2 Alkali Metal Compounds

FRANCIUM IODIDES [01]
DA December 1, 1974
BT1 Francium Compounds
BT2 Alkali Metal Compounds
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds

FRANCIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

FRANCIUM ISOTOPES [01]
DA December 1, 1974
BT1 Alkali Metal Isotopes
BT2 Isotopes
NT1 Francium 201
NT1 Francium 202
NT1 Francium 203
NT1 Francium 204
NT1 Francium 205
NT1 Francium 206
NT1 Francium 207
NT1 Francium 208
NT1 Francium 209
NT1 Francium 210
NT1 Francium 211
NT1 Francium 212
NT1 Francium 213
NT1 Francium 214
NT1 Francium 215
NT1 Francium 216
NT1 Francium 217
NT1 Francium 218
NT1 Francium 219
NT1 Francium 220
NT1 Francium 221
NT1 Francium 222
NT1 Francium 223
NT1 Francium 224
NT1 Francium 225
NT1 Francium 226
NT1 Francium 227
NT1 Francium 228
NT1 Francium 229
NT1 Francium 231
NT1 Francium 232

FRANCIUM OXIDES [01]
DA December 1, 1974
BT1 Francium Compounds
BT2 Alkali Metal Compounds
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds

FRANCK-CONDON PRINCIPLE [01]
DA December 1, 1974
RT Energy-Level Transitions

Franckenstein
DA December 1, 1974
USE Scanning Measuring Projectors

Franco-German High Flux Reactor
DA December 1, 1974
USE Grenoble Reactor

Frank Loops
DA December 1, 1974
USE Screw Dislocations

FRANK-READ SOURCE
DA January 20, 1975
BT1 Dislocations
BT2 Line Defects
BT3 Crystal Defects
BT4 Crystal Structure
DEF A source of dislocation loops in a strained crystal.

Frankfurt Research Reactor
DA December 1, 1974
USE FRF Reactor

Frankfurt Research Reactor-2
DA December 1, 1974
USE FRF-2 Reactor

FRANKIA [01]
DA July 8, 1986
BT1 Actinomyces
BT2 Bacteria
BT3 Microorganisms
RT Mycorrhizas
RT Nitrogen Fixation
RT Symbiosis

FRASCATI LINAC [01]
DA December 1, 1974
BT1 Linear Accelerators
BT2 Accelerators

FRASCATI SYNCHROTRON [01]
DA December 1, 1974
BT1 Synchrotrons
BT2 Cyclic Accelerators
BT3 Accelerators

Frascati Tokamak
DA November 9, 1983
USE FT Tokamak

FRASER RIVER
DA November 11, 1975
BT1 Rivers
BT2 Streams
BT3 Surface Waters
RT Canada

FRAUD
DA May 21, 1983
BT1 Crime

FRAUNHOFER LINES [01]
DA December 1, 1974
UF *Fraunhofer Spectrum*
RT Spectra

Fraunhofer Spectrum
DA December 1, 1974
USE Fraunhofer Lines

FRC
DA June 30, 1975
USE Federal Radiation Council

FRCTF REACTOR [01]
DA December 1, 1974
UF *Fast Reactor Core Test Facility*
UF *LAMPRE-2 Reactor*
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors

FREDHOLM EQUATION [01]
DA December 1, 1974
BT1 Integral Equations
BT2 Equations

Free Convection
DA December 1, 1974
USE Natural Convection

FREE ELECTRON LASERS [01]
DA January 30, 1979
BT1 Lasers

FREE ENERGY [01]
DA December 1, 1974
UF *Free Energy (Helmholtz)*
UF *Helmholtz Free Energy*
BT1 Energy
BT1 Thermodynamic Properties
BT2 Physical Properties
NT1 Formation Free Energy
NT1 Surface Energy
RT Affinity

Free Energy (Gibbs)
DA December 1, 1974
USE Free Enthalpy

Free Energy (Helmholtz)
DA December 1, 1974
USE Free Energy

FREE ENTHALPY [01]
DA December 1, 1974
UF *Free Energy (Gibbs)*
UF *Gibbs Free Energy*
BT1 Energy
BT1 Thermodynamic Properties
BT2 Physical Properties
NT1 Formation Free Enthalpy
NT1 Oxygen Potential

Free Radicals
DA December 1, 1974
USE Radicals

Free Steered Vehicles
DA June 6, 1979
USE Trackless Vehicles

FREEDOM OF INFORMATION ACT
DA September 29, 1976
BT1 Laws
RT Legislation

FREEZE-CYCLE SYSTEM
DA March 3, 1978
RT Freeze Protection
RT Freezing
RT Solar Collectors
RT Solar Heating Systems
RT Solar Water Heaters
DEF System for recirculation of water from the heat storage tank, which requires that the circulating pump be started when the collector plate reaches a temperature slightly above freezing.

Freeze Drying
DA November 23, 1979
SEE Lyophilization

FREEZE PROTECTION
DA October 20, 1977
RT Antifreeze
RT Drain-Down Systems
RT Freeze-Cycle System
RT Melting Points
RT Safety Engineering
RT Working Fluids

FREEZERS [01]
DA June 21, 1977
BT1 Appliances
BT2 Equipment
RT Electric Appliances
RT Gas Appliances
RT Refrigerators

FREEZING [01]
DA December 1, 1974
RT Antifreeze
RT Cryobiology
RT Defrosting
RT Drain-Down Systems
RT Freeze-Cycle System
RT Lyophilization
RT Solidification
RT Thawing

FREEZING OUT [01]
DA December 1, 1974
BT1 Separation Processes
RT Desalination
RT Waste Processing

Freezing Point Depression
DA December 1, 1974
USE Cryoscopy

Freezing Points
DA December 1, 1974
USE Melting Points

Freight
DA November 23, 1979
USE Cargo

FREIGHT PIPELINES
DA April 6, 1978
BT1 Pipelines
NT1 Slurry Pipelines
RT Cargo
RT Transport
DEF A pipeline whose main purpose is to convey products that exist in solid form.

FRENCH GUIANA [01]
DA December 1, 1974
BT1 South America
BT2 Latin America

French Minerve Reactor
DA December 1, 1974
USE Minerve Reactor

FRENCH ORGANIZATIONS [01]
DA December 1, 1974
BT1 National Organizations
NT1 CEA
NT2 CEA Bruyeres-Le-Chatel
NT2 CEA Cadarache
NT2 CEA Fontenay-Aux-Roses
NT2 CEA Grenoble
NT2 CEA la Hague
NT2 CEA Marcoule
NT2 CEA Pierrelatte
NT2 CEA Saclay
NT1 Cogema
NT2 Cogema La Hague
NT2 Cogema Marcoule
NT2 Cogema Pierrelatte
NT1 Electricite de France

FRENKEL DEFECTS [01]
DA December 1, 1974
BT1 Vacancies
BT2 Point Defects
BT3 Crystal Defects
BT4 Crystal Structure

FREONS [01]
DA December 1, 1974
BT1 Halogenated Aliphatic Hydrocarbons
BT2 Organic Halogen Compounds
BT3 Organic Compounds
RT Chlorofluorocarbons
RT Cryogenics
RT Hydrocarbons
RT Refrigerants

Frequency (Cyclotron)
DA December 1, 1974
USE Cyclotron Frequency

Frequency (Eigen)
DA December 1, 1974
USE Eigenfrequency

Frequency (Gyro)
DA December 1, 1974
USE Gyrofrequency

Frequency (Langmuir)
DA December 1, 1974
USE Langmuir Frequency

FREQUENCY ANALYSIS [01]
DA September 6, 1979
NT1 Digital Frequency Analysis
RT Data Processing
RT Fourier Analysis
RT Frequency Measurement

FREQUENCY CONTROL [01]
DA October 28, 1975
BT1 Control
RT Frequency Dependence
RT Frequency Measurement
RT Frequency Selection

FREQUENCY CONVERTERS [01]
DA December 1, 1974
RT Frequency Range
RT Heterodyne Receivers
RT Parametric Amplifiers
RT Pulse Generators

FREQUENCY DEPENDENCE [01]
DA December 1, 1974
RT Frequency Control
RT Frequency Measurement
RT Frequency Range

FREQUENCY MEASUREMENT [01]
DA January 20, 1975
RT Frequency Analysis
RT Frequency Control
RT Frequency Dependence
RT Frequency Modulation
RT Measuring Methods

FREQUENCY MIXING [01]
DA January 14, 1986
UF *Four Wave Mixing*
NT1 Harmonic Generation
RT Nonlinear Optics
DEF The combination of two or more electromagnetic waves in a nonlinear medium to form another wave whose frequency is a sum or difference of the frequencies of the incident waves.

FREQUENCY MODULATION [01]
DA September 8, 1981
BT1 Modulation
RT Frequency Measurement
RT Frequency Selection

FREQUENCY RANGE [01]
DA December 1, 1974
NT1 GHz Range
NT2 GHz Range 01-100
NT2 GHz Range 100-1000
NT1 Hz Range
NT2 Milli Hz Range
NT1 KHz Range
NT2 KHz Range 01-100
NT2 KHz Range 100-1000
NT1 MHz Range
NT2 MHz Range 01-100
NT2 MHz Range 100-1000
RT Frequency Converters
RT Frequency Dependence
RT Radar
RT Sonar

FREQUENCY RESPONSE TESTING [01]
DA January 20, 1975
BT1 Testing
RT Reactor Stability

FREQUENCY SELECTION [01]
DA January 20, 1975
RT Frequency Control
RT Frequency Modulation
RT Lasers
RT Mode Selection
RT Tuning

FRESH WATER [01]
DA December 1, 1974
BT1 Water
BT2 Hydrogen Compounds
BT2 Oxygen Compounds
RT Drinking Water
RT Estuaries
RT Fathead Minnow
RT Irrigation
RT Lakes
RT Limnology
RT Rivers
RT Rotifera
RT Water Reservoirs

Fresh Water Ecosystems
DA December 1, 1974
USE Aquatic Ecosystems

FRESNEL COEFFICIENT [01]
DA December 1, 1974
RT Refraction

RT Refractive Index
RT Visible Radiation

FRESNEL LENS [01]
DA January 24, 1975
BT1 Lenses
RT Solar Concentrators
DEF A thin lens constructed with stepped setbacks so as to have the optial properties of a much thicker lens.

FRESNEL REFLECTORS [01]
DA September 8, 1981
BT1 Mirrors
BT1 Solar Reflectors
BT2 Solar Concentrators
BT3 Solar Equipment
BT4 Equipment
DEF A set of mirrors with varying orientation arranged so as to have the optical properties of a smooth reflector, e.g., parabolic reflector.

FRETTING CORROSION [01]
DA December 1, 1974
BT1 Corrosion
BT2 Chemical Reactions

FREUNDS ADJUVANT [01]
DA December 1, 1974
RT Antigens

FREYALITE [01]
DA December 1, 1974
BT1 Rare Earth Compounds
BT1 Silicate Minerals
BT2 Minerals
BT1 Thorium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
BT1 Thorium Silicates
BT2 Silicates
BT3 Oxygen Compounds
BT3 Silicon Compounds
BT2 Thorium Compounds
BT3 Actinide Compounds

FRF-2 REACTOR [01]
DA December 1, 1974
UF *Forschungsreaktor-2 Frankfurt*
UF *Frankfurt Research Reactor-2*
BT1 TRIGA Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Hydride Moderated Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Solid Homogeneous Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

FRF REACTOR [01]
(Johann Wolfgang Goethe-Univ., Frankfurt am Main, Essen, Federal Republic of Germany)
DA December 1, 1974
UF *Forschungsreaktor Frankfurt*
UF *Frankfurt Research Reactor*
BT1 Aqueous Homogeneous Reactors
BT2 Liquid Homogeneous Reactors
BT3 Fluid Fueled Reactors
BT4 Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors

FRG-1 REACTOR [01]
(Gesell fuer Kernenergieverwertung in Schiffbau und Schiffarht mbH, Geesthacht, Schleswig-Holstein, Federal Republic of Germany)
DA December 1, 1974
UF *Forschungsreaktor Geesthacht-1*
UF *Geesthacht-1 Research Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors

FRG-2 REACTOR [01]
(Gesellschaft fuer Kernenergieverwertung in Schiffbau and Schiffahrt mbH, Geesthacht Schleswig-Holstein, Federal Republic of Germany.)
DA December 1, 1974
UF *Forschungsreaktor Geesthacht-2*
UF *Geesthacht-2 Research Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Materials Testing Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors

FRH Reactor
DA January 28, 1975
USE TRIGA-1-Hanover Reactor

FRIambient Process
(Prior to July 1993, this was a valid descriptor.)
DA February 23, 1982
USE Coal Liquefaction

Fricke Dosemeters
DA December 1, 1974
USE Chemical Dosemeters

FRICTION [01]
DA December 1, 1974
NT1 Internal Friction
NT1 Rolling Friction
NT1 Sliding Friction
RT Energy Losses
RT Lubricating Properties
RT Synthetic Lubricants
RT Tribology
RT Wear

Friction (Internal)
DA December 1, 1974
USE Internal Friction

FRICTION FACTOR [01]
DA June 21, 1977
RT Fluid Flow
RT Fluid Mechanics
RT Reynolds Number

FRICTION WELDING [01]
DA December 1, 1974
BT1 Welding
BT2 Joining
BT3 Fabrication

Frictionless Flow
DA June 12, 1975
USE Ideal Flow

FRIEDEL-CRAFTS REACTION [01]
DA December 1, 1974
BT1 Chemical Reactions

FRJ-1 REACTOR [01]
(Kernforschungsanlage Juelich GmbH, Juelich, Nordrhein-Westfalen, Federal Republic of Germany)
DA December 1, 1974
UF *Juelich-Merlin Reactor*
UF *Merlin-Juelich Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors

FRJ-2 REACTOR [01]
(Kernforschungsanlage Juelich GmbH, Juelich, Nordrhein-Westfalen, Federal Republic of Germany)
DA December 1, 1974
UF *Dido-Juelich Reactor*
UF *Juelich-Dido Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Heavy Water Cooled Reactors
BT2 Reactors
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Materials Testing Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors

FRM Devices (Thermonuclear)
DA April 6, 1978
USE Field-Reversed Mirror Reactors

FRM REACTOR [01]
(Techische Universitaet Muenchen, Ministry for Education and Culture, Garching, Bayern, Federal Republic of Germany.)
DA December 1, 1974
UF *Forschungsreaktor Muenchen*
UF *Munich Research Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors

FRN REACTOR [01]
(Gesellschaft fuer Strahlen und Umweltforschung mbH, Neuherberg, Bayern, Federal Republic of Germany.)
DA December 1, 1974
UF *Forschungsreaktor Neuherberg*
UF *Neuherberg Research Reactor*
BT1 Pool Type Reactors

BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 TRIGA Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Hydride Moderated Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Solid Homogeneous Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

FROGS [01]
DA December 1, 1974
UF *Rana*
BT1 Amphibians
BT2 Aquatic Organisms
BT2 Vertebrates
BT3 Animals
RT Salamanders
RT Toads

FROST
DA January 20, 1975
BT1 Ice
RT Crystallization
RT Defrosting
RT Solidification
RT Weather

FROST TESTS [01]
DA December 1, 1974
BT1 Thermal Testing
BT2 Nondestructive Testing
BT3 Materials Testing
BT4 Testing

FROUDE NUMBER [01]
DA December 1, 1974
RT Fluid Flow

FRUCTOSE [01]
DA December 1, 1974
UF *Levulose*
BT1 Hexoses
BT2 Monosaccharides
BT3 Saccharides
BT4 Carbohydrates
BT5 Organic Compounds
BT1 Ketones
BT2 Organic Compounds

Fruit (Seeds)
DA December 1, 1974
USE Seeds

FRUIT FLIES [01]
DA December 1, 1974
BT1 Flies
BT2 Diptera
BT3 Insects
BT4 Arthropods
BT5 Invertebrates
BT6 Animals
NT1 Ceratitis Capitata
NT1 Dacus
NT2 Dacus Oleae
NT1 Drosophila
NT1 Rhagoletis Cerasi

FRUIT TREES [01]
DA December 1, 1974
BT1 Trees
BT2 Plants
RT Apples
RT Apricots
RT Avocados
RT Banana Plants
RT Bananas
RT Cherries
RT Citrus
RT Fruits
RT Peaches

FRUITS [01]
(Limited to edible matured plant ovaries and accessory structures.)
DA December 1, 1974
BT1 Food
NT1 Apples
NT1 Apricots
NT1 Avocados
NT1 Bananas
NT1 Berries
NT2 Blueberries
NT1 Cherries
NT1 Coconuts
NT1 Dates
NT1 Figs
NT1 Grapefruits
NT1 Grapes
NT1 Lemons
NT1 Mangoes
NT1 Nuts
NT2 Chestnuts
NT1 Olives
NT1 Oranges
NT1 Papayas
NT1 Peaches
NT1 Pears
NT1 Pineapples
NT1 Plums
NT1 Raspberries
NT1 Strawberries
NT1 Tomatoes
RT Crops
RT Fruit Trees
RT Plants

FSC APPROXIMATION [01]
(Fixed Scattering Centres approximation.)
DA December 1, 1974
RT Glauber Theory
RT Many-Body Problem
RT Optical Models
RT Scattering

FSD Devices
DA December 1, 1974
USE Flying Spot Digitizers

FSH [01]
DA December 1, 1974
UF *Follicle Stimulating Hormone*
BT1 Gonadotropins
BT2 Pituitary Hormones
BT3 Peptide Hormones
BT4 Hormones
BT4 Proteins
BT5 Organic Compounds
RT Estrogens

FT TOKAMAK [01]
DA November 9, 1983
UF *Frascati Tokamak*
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

FT VALUE [01]
DA December 1, 1974
RT Beta Decay
RT Branching Ratio
RT Decay
RT Decoupling
RT Half-Life

FTR Reactor (Richland)
DA April 29, 1975
USE FFTF Reactor

Fucose
DA December 1, 1974
USE Hexoses

FUCUS [01]
DA December 1, 1974
BT1 Chromophycota
BT2 Algae
BT3 Plants
BT1 Seaweeds
BT2 Aquatic Organisms
BT2 Plants

FUDR [01]
DA December 1, 1974
UF *Fluorodeoxyuridine*
BT1 Antimicrobial Agents
BT2 Anti-Infective Agents
BT3 Drugs
BT1 Fluorouracils
BT2 Antimetabolites
BT3 Drugs
BT2 Organic Fluorine Compounds
BT3 Organic Halogen Compounds
BT4 Organic Compounds
BT2 Uracils
BT3 Hydroxy Compounds
BT4 Organic Compounds
BT3 Pyrimidines
BT4 Azines
BT5 Heterocyclic Compounds
BT6 Organic Compounds
BT5 Organic Nitrogen Compounds
BT6 Organic Compounds
BT1 Nucleosides
BT2 Nucleotides
BT3 Organic Compounds
BT2 Ribosides
BT1 Radiosensitizers
BT2 Drugs
RT Deoxyuridine

FUEL ADDITIVES [01]
DA March 5, 1979
BT1 Additives
RT Fuels

FUEL ADJUSTMENT MECHANISMS
DA March 27, 1979
BT1 Rate Structure
RT Public Utilities

FUEL-AIR RATIO [01]
DA July 7, 1976
UF *Air-Fuel Ratio*
RT Air
RT Carburetors
RT Combustion
RT Combustion Control
RT Fuels
RT Oxygen Enrichment

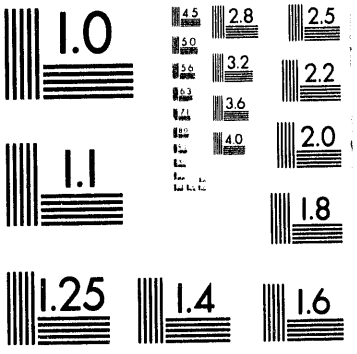
FUEL ASSEMBLIES [01]
DA December 1, 1974
NT1 Fuel Element Clusters
RT Fuel Assembly Dismantling
RT Fuel Elements
RT Guide Tubes
RT Reactor Cores
RT Shrouds

FUEL ASSEMBLY DISMANTLING [01]
DA December 1, 1974
UF *Dismantling (Fuel Assembly)*
RT Fuel Assemblies
RT Reactor Dismantling

Fuel Bundles
DA December 1, 1974
USE Fuel Element Clusters

FUEL CANS [01]
DA December 1, 1974
UF *Fuel Sheaths*
UF *Sheaths (Fuel)*
RT Canning
RT Cladding
RT Decladding
RT Failed Element Detection
RT Failed Element Monitors
RT Fuel Elements
RT Fuel-Cladding Interactions
RT Hot Spots
RT Jackets

Fuel Cell Catalysts
DA October 30, 1978
USE Electrocatalysts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2.5
5.0
3.2
2.2
5.6
3.6
6.3
4.0
2.0
7.1
8.0
9.0
1.1
1.8
1.25
1.4
1.6

FUEL CELL POWER PLANTS [01]
(For commercial, residential, or electric utility use.)
DA April 8, 1975
BT1 Power Plants
RT Fuel Cells

FUEL CELLS [01]
DA December 1, 1974
BT1 Direct Energy Converters
BT1 Electrochemical Cells
NT1 Acid Electrolyte Fuel Cells
NT1 Alcohol Fuel Cells
NT1 Alkaline Electrolyte Fuel Cells
NT1 Ammonia Fuel Cells
NT1 Biochemical Fuel Cells
NT1 Coal Fuel Cells
NT1 Formaldehyde Fuel Cells
NT1 Formate Fuel Cells
NT1 Formic Acid Fuel Cells
NT1 High-Temperature Fuel Cells
NT2 Molten Carbonate Fuel Cells
NT1 Hydrazine Fuel Cells
NT1 Hydrocarbon Fuel Cells
NT1 Hydrogen Fuel Cells
NT1 Natural Gas Fuel Cells
NT1 Regenerative Fuel Cells
NT2 Redox Fuel Cells
NT1 Solid Electrolyte Fuel Cells
RT Electric-Powered Vehicles
RT Electrochemistry
RT Fuel Cell Power Plants
RT Matrix Materials
RT Metal-Gas Batteries
RT Off-Peak Energy Storage
RT Solid Electrolytes

FUEL CHANNELS [01]
DA December 1, 1974
BT1 Reactor Channels
BT2 Reactor Components
RT Ducts
RT Fuel Elements
RT Hot Channel
RT Shrouds

FUEL-CLADDING INTERACTIONS [01]
DA December 1, 1974
UF *Cladding-Fuel Interactions*
RT Chemical Reactions
RT Fuel Cans
RT Nuclear Fuels

FUEL CONSUMPTION [01]
DA February 19, 1975
UF *Fuel Economy*
BT1 Energy Consumption
RT Automotive Fuels
RT Consumption Rates
RT Demand
RT Fuels
RT Off-Highway Use
RT On-Highway Use

FUEL-COOLANT INTERACTIONS [01]
DA December 1, 1974
UF *Coolant-Fuel Interactions*
RT Chemical Reactions
RT Coolants
RT Fluid-Structure Interactions
RT Molten Metal-Water Reactions
RT Nuclear Fuels
RT Reactor Accidents

Fuel Cooling Installations
DA December 1, 1974
USE Spent Fuel Storage

FUEL COOLING TIME [01]
DA May 6, 1980
RT After-Heat
RT Burnup
RT Cooling
RT Fission Products
RT Fuel Storage Pools
RT Gamma Spectroscopy
RT Spent Fuel Storage
RT Spent Fuels

FUEL CYCLE [01]
DA December 1, 1974
UF *Recycle (Fuel)*
NT1 Plutonium Recycle
NT1 Thorium Cycle
NT1 Uranium Recycle
RT Cost
RT Depleted Uranium
RT Fissionable Materials
RT Fuel Cycle Centers
RT Fuel Management
RT Harvest Process
RT Nuclear Fuels
RT Nuclear Materials Management
RT Present Worth Method
RT Proliferation
RT Reprocessing
RT Risk Assessment
RT Sol-Gel Process
RT Westinghouse Recycle Fuels Plant

FUEL CYCLE CENTERS [01]
DA August 7, 1978
BT1 Nuclear Facilities
RT Feed Materials Plants
RT Fuel Cycle
RT Fuel Fabrication Plants
RT Fuel Storage Pools
RT Plutonium Recycle
RT Radioactive Waste Disposal
RT Radioactive Waste Facilities
RT Radioactive Waste Processing
RT Radioactive Waste Storage
RT Spent Fuel Storage
RT Uranium Recycle

FUEL DENSIFICATION [01]
DA December 1, 1974
RT Density
RT Fuel Elements
RT Nuclear Fuels
RT Physical Radiation Effects
RT Reactor Safety
DEF The increase in density of nuclear fuel resulting from thermal and/or radiation effects.

FUEL DISPERSION REACTORS [01]
DA December 1, 1974
BT1 Homogeneous Reactors
BT2 Reactors
NT1 Fluidized Bed Reactors
NT1 Slurry Reactors
RT Dispersion Nuclear Fuels

Fuel Economy
(Prior to December 1991 this was a valid descriptor.)
DA April 19, 1976
USE Fuel Consumption

FUEL ELEMENT CLUSTERS [01]
DA December 1, 1974
UF *Bundles (Fuel Elements)*
UF *Clusters (Fuel Elements)*
UF *Fuel Bundles*
BT1 Fuel Assemblies
RT Rod Bundles
RT Spacers

FUEL ELEMENT FAILURE [01]
DA May 5, 1975
BT1 Reactor Accidents
BT2 Accidents
RT Failed Element Detection
RT Failed Element Monitors
RT Fuel Motion Detection
RT Radiation Hazards
RT Reactor Operation
RT Reactor Safety

FUEL ELEMENTS [01]
DA December 1, 1974
UF *Nuclear Fuel Elements*
UF *Reactor Fuel Elements*
BT1 Reactor Components
NT1 Annular Fuel Elements
NT1 Fuel Pins
NT1 Fuel Plates
NT1 Fuel Rods
NT2 Hollow Fuel Rods
NT1 Fuel Spheres
NT1 Fuel Wires
NT1 Spent Fuel Elements
NT1 Thermionic Fuel Elements
RT Burnout
RT Decladding
RT Failed Element Detection
RT Failed Element Monitors
RT Fuel Assemblies
RT Fuel Cans
RT Fuel Channels
RT Fuel Densification
RT Fuel Fabrication Plants
RT Fuel Integrity
RT Fuel Pools
RT Fuel Storage Pools
RT Matrix Materials
RT Nuclear Fuels
RT Post-Irradiation Examination
RT Reactor Cores
RT Reactor Lattices
RT Reactors

FUEL FABRICATION PLANTS [01]
DA December 1, 1974
BT1 Nuclear Facilities
NT1 Cimarron Uranium Fuel Plant
NT1 Exxon Fuel Fabrication Facility
NT1 General Atomic Fuel Fabrication Facility
NT1 Mixed Oxide Fuel Fabrication Plants
NT1 Westinghouse Recycle Fuels Plant
RT Fabrication
RT Fuel Cycle Centers
RT Fuel Elements
RT Industrial Plants
RT Nuclear Industry
RT Nuclear Parks

FUEL FEEDING SYSTEMS [01]
DA July 7, 1976
UF *COALTEK Process*
BT1 Fuel Systems
NT1 Stokers
RT Fossil Fuels
RT Materials Handling
RT Pulverizers
RT Thermonuclear Reactor Fueling

FUEL GAGES
DA January 20, 1975
BT1 Measuring Instruments

FUEL GAS [01]
DA January 24, 1975
BT1 Gas Fuels
BT2 Fuels
BT1 Gases
BT2 Fluids
NT1 High BTU Gas
NT1 Intermediate BTU Gas
NT2 Carburetted Water Gas
NT2 Town Gas
NT2 Water Gas
NT1 Low BTU Gas
NT2 Producer Gas
NT1 Natural Gas
NT2 Abiogenic Gas
NT2 Liquefied Natural Gas
RT Coal Gas
RT Dual-Fuel Engines
RT Refinery Gases
RT Synthetic Fuels

FUEL INJECTION SYSTEMS [01]
DA May 5, 1975
BT1 Fuel Systems
RT Atomization
RT Combustion
RT Combustion Chambers
RT Engines
RT Nozzles
RT Spark Ignition Engines
RT Stratified Charge Engines
RT Thermonuclear Reactors

FUEL INTEGRITY [01]
DA March 26, 1985
UF *Integrity(Fuel)*
RT Fuel Elements
RT Spent Fuel Elements
RT Spent Fuel Storage
RT Spent Fuels

Fuel Kernels
DA December 1, 1974
USE Fuel Particles

Fuel Loading
DA December 1, 1974
USE Reactor Fueling

FUEL MANAGEMENT [01]
DA December 1, 1974
UF *In-Core Fuel Management*
RT Fuel Cycle
RT Reactor Cores
RT Reactor Fueling

FUEL MOTION DETECTION [01]
DA March 5, 1979
BT1 Detection
RT Failed Element Detection
RT Fuel Element Failure
DEF Determination of in-core nuclear fuel behavior, usually under accident conditions.

FUEL OILS [01]
DA January 20, 1975
UF+ *Coal-Oil Mixtures*
BT1 Liquid Fuels
BT2 Fuels
BT1 Petroleum Products
NT1 Heating Oils
NT1 Residual Fuels
RT Oils

FUEL PARTICLES [01]
DA December 1, 1974
UF *Fuel Kernels*
UF *Kernels (Fuel)*
UF *Particles (Fuel)*
NT1 Coated Fuel Particles
RT Dispersion Nuclear Fuels
RT Nuclear Fuels

FUEL PELLETS [01]
DA December 1, 1974
UF *Pellets (Fuel)*
BT1 Pellets
RT Fuel Rods
RT Nuclear Fuels
RT Pellet Injection
RT Pelletizing

Fuel Pencils
DA December 1, 1974
USE Fuel Pins

FUEL PINS [01]
DA December 1, 1974
UF *Fuel Pencils*
UF *Pins (Fuel)*
BT1 Fuel Elements
BT2 Reactor Components

FUEL PLATES [01]
DA December 1, 1974
UF *Plates (Fuel)*
BT1 Fuel Elements
BT2 Reactor Components

FUEL POOLS
DA January 30, 1975
RT Away-From-Reactor Storage
RT Fuel Elements
RT Fuel Racks
RT Reactor Fueling
RT Spent Fuel Storage

FUEL RACKS [01]
DA October 23, 1978
UF *Racks (Fuel)*
BT1 Supports
BT2 Mechanical Structures
RT Fuel Pools
RT Fuel Storage Pools
RT Spent Fuel Storage

Fuel Reprocessing
DA December 1, 1974
USE Reprocessing

FUEL REPROCESSING PLANTS [01]
DA December 1, 1974
BT1 Nuclear Facilities
NT1 Barnwell Fuel Processing Plant
NT1 CEA la Hague
NT1 Cogema La Hague
NT1 HEF
NT1 Idaho Chemical Processing Plant
NT1 Midwest Fuel Recovery Plant
NT1 Nuclear Fuel Recovery and Recycling Center
NT1 Sellafield Reprocessing Plant
NT1 Wackersdorf Reprocessing Plant
NT1 WAK
NT1 West Valley Processing Plant
NT1 Westinghouse Recycle Fuels Plant
RT Fission Products
RT Nuclear Industry
RT Nuclear Parks
RT Radioactive Waste Facilities
RT Reprocessing
RT Risk Assessment
RT Spent Fuels

Fuel Rod Consolidation
DA March 26, 1985
USE Configuration
AND Fuel Rods

FUEL RODS [01]
DA December 1, 1974
UF *Fuel Slugs*
UF *Rods (Fuel)*
UF *Slugs (Fuel)*
UF+ *Fuel Rod Consolidation*
BT1 Fuel Elements
BT2 Reactor Components
NT1 Hollow Fuel Rods
RT Fuel Pellets

FUEL SCANNING [01]
DA December 1, 1974
NT1 Gamma Fuel Scanning
RT Burnup
RT Nondestructive Testing
RT Nuclear Reaction Analyzers

Fuel Sheaths
DA December 1, 1974
USE Fuel Cans

Fuel Slugs
DA December 1, 1974
USE Fuel Rods

FUEL SLURRIES [01]
DA December 1, 1974
UF *Fuel Suspensions*
UF *Slurries (Fuel)*
UF *Suspensions (Fuel)*
UF+ *Coal-Oil Mixtures*
BT1 Fuels
BT1 Slurries
BT2 Mixtures
BT3 Dispersions
BT2 Suspensions
BT3 Dispersions
RT Slurry Reactors

FUEL SOLUTIONS [01]
DA December 1, 1974
BT1 Liquid Fuels
BT2 Fuels
BT1 Nuclear Fuels
BT2 Energy Sources
BT2 Fuels
BT2 Reactor Materials
BT3 Materials
BT1 Solutions
BT2 Mixtures
BT3 Dispersions
RT Liquid Homogeneous Reactors

FUEL SPHERES
DA January 20, 1975
UF *Spheres (Fuel)*
BT1 Fuel Elements
BT2 Reactor Components
DEF Pebble bed reactor fuel elements.

FUEL STORAGE POOLS [01]
DA March 25, 1976
RT Away-From-Reactor Storage
RT Fuel Cooling Time
RT Fuel Cycle Centers
RT Fuel Elements
RT Fuel Racks
RT Spent Fuel Storage

FUEL SUBSTITUTION [01]
DA December 22, 1977
SF *Alternate Fuels*
RT Energy Shortages
RT Energy Substitution
RT Energy Substitution Equivalent
RT Energy Supplies
RT Energy Surpluses
RT Fossil Fuels
RT Fuels
RT Interchangeability
RT Material Substitution
RT Rolled-In Pricing

Fuel Substitution Equivalent
DA June 14, 1978
USE Energy Substitution Equivalent

FUEL SUPPLIES [01]
DA November 23, 1979
BT1 Energy Supplies
RT Demand
RT Fuels
RT Receipts
RT Shortages
RT US Naval Petroleum Reserves

Fuel Suspensions
DA December 1, 1974
USE Fuel Slurries

FUEL SYSTEMS [01]
(Non-nuclear fuels.)
DA April 30, 1975
NT1 Carburetors
NT1 Fuel Feeding Systems
NT2 Stokers
NT1 Fuel Injection Systems
RT Fuels
RT Oxygen Enrichment

Fuel Use Act
DA January 24, 1980
USE US Power Plant and Industrial Fuel Use Act

FUEL WASHERS [01]
DA December 1, 1974
UF *Washers (Fuel)*
RT Annular Fuel Elements
RT Nuclear Fuels

FUEL WIRES [01]
DA December 1, 1974
UF *Wires (Fuel)*
BT1 Fuel Elements
BT2 Reactor Components

FUELS [01]
DA December 1, 1974
NT1 Automotive Fuels
NT1 Aviation Fuels
NT1 Boiler Fuels
NT1 Fossil Fuels
NT2 Coal
NT3 Black Coal
NT4 Anthracite
NT4 Bituminous Coal
NT3 Brown Coal
NT4 Lignite
NT3 Coal Fines
NT3 Sapropelic Coal
NT4 Boghead Coal
NT5 Torbanite
NT4 Cannel Coal
NT3 Subbituminous Coal
NT2 Natural Gas
NT3 Abiogenic Gas
NT3 Liquefied Natural Gas
NT2 Oil Sands
NT2 Oil Shales
NT2 Peat
NT2 Petroleum

NT3 Petroleum Fractions
NT4 Petroleum Distillates
NT5 Gas Oils
NT6 Diesel Fuels
NT6 Heating Oils
NT6 Kerosene
NT4 Petroleum Residues
NT4 Refinery Gases
NT3 Residual Petroleum
NT3 Sour Crudes
NT2 Shale Oil
NT3 Shale Oil Fractions
NT1 Fuel Slurries
NT1 Gas Fuels
NT2 Fuel Gas
NT3 High BTU Gas
NT3 Intermediate BTU Gas
NT4 Carburetted Water Gas
NT4 Town Gas
NT4 Water Gas
NT3 Low BTU Gas
NT4 Producer Gas
NT3 Natural Gas
NT4 Abiogenic Gas
NT4 Liquefied Natural Gas
NT1 Jet Engine Fuels
NT1 Liquid Fuels
NT2 Diesel Fuels
NT2 Fuel Oils
NT3 Heating Oils
NT3 Residual Fuels
NT2 Fuel Solutions
NT2 Gasohol
NT2 Gasoline
NT3 Unleaded Gasoline
NT2 Kerosene
NT2 Liquid Metal Fuels
NT2 Molten Salt Fuels
NT1 Nuclear Fuels
NT2 Alloy Nuclear Fuels
NT2 Denatured Fuel
NT2 Dispersion Nuclear Fuels
NT2 Fuel Solutions
NT2 Liquid Metal Fuels
NT2 Mixed Carbide Fuels
NT2 Molten Salt Fuels
NT2 Spent Fuels
NT1 Refuse Derived Fuels
NT1 Solid Fuels
NT2 Alloy Nuclear Fuels
NT2 Briquets
NT2 Dispersion Nuclear Fuels
NT2 Mixed Nitride Fuels
NT2 Mixed Oxide Fuels
NT1 Solvent-Refined Coal
NT1 Synthetic Fuels
NT2 Alcohol Fuels
NT3 Ethanol Fuels
NT3 Methanol Fuels
NT2 Hydrogen Fuels
NT2 Pyrolytic Oils
NT2 Synthetic Petroleum
NT1 Thermonuclear Fuels
NT1 Wood Fuels
RT Calorific Value
RT Coke
RT Fuel Additives
RT Fuel Consumption
RT Fuel Substitution
RT Fuel Supplies
RT Fuel Systems
RT Fuel-Air Ratio
RT Interchangeability
RT Rolled-In Pricing
RT Semicoke
RT Semicoking
RT Wood

Fuels (Nuclear)
DA December 1, 1974
USE Nuclear Fuels

Fuelwood
DA January 30, 1981
USE Wood Fuels

Fugen ATR
DA December 1, 1974
USE JATR Reactor

Fujaira
DA August 5, 1976
USE United Arab Emirates

FUJITSU COMPUTERS [01]
DA December 13, 1985
BT1 Computers

FUKUSHIMA-1 REACTOR [01]
(Okuma, Fukushima, Japan)
DA December 1, 1974
UF *Tokyo-1 Reactor*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

FUKUSHIMA-2 REACTOR [01]
(Okuma, Fukushima, Japan)
DA December 1, 1974
UF *Tokyo-2 Reactor*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

FUKUSHIMA-3 REACTOR [01]
(Okuma, Fukushima, Japan)
DA December 1, 1974
UF *Tokyo-3 Reactor*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

FUKUSHIMA-4 REACTOR [01]
(Okuma, Fukushima, Japan)
DA December 1, 1974
UF *Tokyo-4 Reactor*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

FUKUSHIMA-5 REACTOR [01]
(Futaba, Fukushima, Japan)
DA December 1, 1974
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

FUKUSHIMA-6 REACTOR [01]
(Futaba, Fukushima, Japan)
DA December 1, 1974
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

FUKUSHIMA-II-1 REACTOR [01]
(Naraha, Fukushima, Japan)
DA May 6, 1980
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

FUKUSHIMA-II-2 REACTOR [01]
(Naraha, Fukushima, Japan)
DA May 6, 1980
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

FUKUSHIMA-II-3 REACTOR [01]
DA August 4, 1981
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

FUKUSHIMA-II-4 REACTOR [01]
DA August 4, 1981
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

FULCRUM OPERATION
DA October 30, 1978
BT1 Nuclear Explosions
BT2 Explosions
BT1 Underground Explosions
BT2 Explosions
NT1 Redmud Event

Fulham-Simon-Carves Process
DA January 27, 1975
USE Desulfurization
DEF Process for recovery of sulfur from flue gases by causing flue gas to react directly with ammonia liquor from gas works followed by processing of solution to give ammonium sulfate and sulfur.

Full-Serve Stations
DA May 9, 1979
USE Gasoline Service Stations

→**FULLERENES [01]**
DA January 9, 1992
BT1 Carbon
BT2 Nonmetals
BT3 Elements

RT Atomic Clusters
DEF Carbon allotrope containing 60 or more carbon atoms in a hollow configuration similar to a geodesic dome.

FULLERS EARTH [01]
DA December 1, 1974
BT1 Clays
RT Attapulgite

FULLY IONIZED GASES [01]
(Use only when the gas is not macroscopically electrically neutral; otherwise use PLASMA.)
DA December 1, 1974
BT1 Ionized Gases
BT2 Gases
BT3 Fluids
NT1 Lorentz Gas

FULTON-1 REACTOR [01]
DA December 1, 1974
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Helium Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 HTGR Type Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT2 Graphite Moderated Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

FULTON-2 REACTOR [01]
DA December 1, 1974
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Helium Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 HTGR Type Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT2 Graphite Moderated Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

FULVIC ACIDS [01]
DA December 1, 1974
BT1 Organic Acids
BT2 Organic Compounds
RT Humic Acids
RT Humus
RT Soils

FUMAKS PROCESS
DA January 30, 1979
BT1 Desulfurization
BT2 Chemical Reactions
RT Waste Processing

FUMARIC ACID [01]
DA December 1, 1974
BT1 Dicarboxylic Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds

FUMAROLES [01]
DA January 23, 1975
NT1 Solfataras
RT Fumarolic Fluids
RT Hydrothermal Systems
RT Thermal Waters
RT Volcanoes
DEF Vents, usually volcanic, from which gases and vapors are emitted. They are characteristic of a late stage of volcanic activity.

FUMAROLIC FLUIDS [01]
DA February 20, 1975
BT1 Geothermal Fluids
BT2 Fluids
RT Fumaroles
RT Volcanic Gases

FUME HOODS [01]
DA October 23, 1978
BT1 Laboratory Equipment
BT2 Equipment
RT Gaseous Wastes
RT Ventilation

Fumes
DA December 1, 1974
USE Aerosols

FUMIGANTS [01]
DA December 1, 1974
SF *Chemicals*
BT1 Pesticides
RT Grain Disinfestation
RT Preservation

Function (Biological)
DA August 26, 1976
USE Biological Functions

FUNCTION GENERATORS [01]
DA December 1, 1974
UF *Sine Generators*
UF *Square-Wave Generators*
BT1 Electronic Equipment
BT2 Equipment
NT1 Pulse Generators
NT2 High-Voltage Pulse Generators

FUNCTIONAL ANALYSIS [01]
DA November 1, 1976
BT1 Mathematics

FUNCTIONAL MODELS [01]
DA December 1, 1974
UF *Models (Functional)*
NT1 Pilot Plants
NT2 Barstow Solar Pilot Plant
NT2 WIPP
NT1 Process Development Units
NT1 Simulators
NT2 Reactor Simulators
NT2 Solar Simulators
RT Analog Systems
RT Biological Models
RT Comparative Evaluations
RT Hypothesis
RT Mathematical Models
RT Microcosms
RT Mockup
RT Phantoms
RT Plasma Simulation
RT Scale Models
RT Simulation
RT Structural Models

FUNCTIONALS [01]
DA December 1, 1974
BT1 Functions

FUNCTIONS [01]
DA December 1, 1974
NT1 Airy Functions
NT1 Analytic Functions
NT1 Bessel Functions
NT1 Correlation Functions
NT1 Delta Function
NT1 Distribution Functions
NT1 Eigenfunctions
NT1 Excitation Functions
NT1 Floquet Function
NT1 Functionals
NT1 Gamma Function
NT1 Gauss Function
NT1 Green Function
NT1 Hamiltonian Function
NT1 Hypergeometric Functions
NT1 Jacobian Function
NT1 Jost Function
NT1 Lagrangian Function
NT1 Neutron Importance Function
NT1 Neutronic Damage Functions
NT1 Partition Functions
NT1 Placzec Function
NT1 Polynomials
NT2 Hermite Polynomials
NT2 Laguerre Polynomials
NT2 Legendre Polynomials
NT1 Response Functions
NT1 Retention Functions
NT1 Riemann Function
NT1 Spectral Functions
NT2 Spectral Density
NT1 Spline Functions
NT1 Strength Functions
NT1 Structure Functions
NT1 Transfer Functions
NT1 Vertex Functions
NT1 Wave Functions
NT1 Weierstrass Functions
NT1 Weighting Functions
NT1 Work Functions
RT Equations
RT Mathematics
RT Recursion Relations
RT Series Expansion
RT Singularity

FUNDAMENTAL CONSTANTS [01]
DA December 1, 1974
NT1 Rydberg Constant
RT Atoms
RT Cosmology
RT Elementary Particles
RT Natural Units
RT Nuclei

Fundamental Particles
DA December 1, 1974
USE Elementary Particles

FUNGAL DISEASES [01]
DA January 12, 1981
BT1 Infectious Diseases
BT2 Diseases
NT1 Mycoses
NT1 Tinea
RT Fungi
RT Host
RT Pathogens

FUNGI [01]
DA December 1, 1974
UF *Molds*
BT1 Plants
NT1 Eumycota
NT2 Aspergillus
NT2 Claviceps
NT2 Fusarium
NT2 Lichens
NT2 Mildew
NT2 Neurospora
NT2 Pellicularia
NT2 Penicillium
NT2 Phanerochaete
NT2 Phycomyces
NT2 Rhizopus
NT2 Thielavia
NT2 Trichoderma
NT3 Trichoderma Viride
NT2 Ustilago
NT2 Yeasts
NT3 Candida
NT3 Saccharomyces
NT4 Saccharomyces Cerevisiae
NT3 Torula
NT1 Mushrooms
NT1 Myxomycetes
NT1 Physarum
NT1 Polyporus Versicolor
RT Bioadsorbents
RT Conidia
RT Fungal Diseases
RT Mycelium
RT Mycorrhizas
RT Mycoses
RT Parasites
RT Pathogens
RT Spores
RT Tinea
RT Vaccines

FUNGICIDES [01]
DA December 1, 1974
BT1 Pesticides
NT1 Cycloheximide

2-Furalaldehyde
DA December 1, 1974
USE Furfural

FURANS [01]
DA December 1, 1974
BT1 Heterocyclic Compounds
BT2 Organic Compounds
BT1 Organic Oxygen Compounds
BT2 Organic Compounds
NT1 Benzofurans
NT1 Furfural
NT1 Furildioxime
NT1 Tetrahydrofuran
NT2 MTHF
RT Kinetin

FURFURAL [01]
DA December 1, 1974
UF *2-Furalaldehyde*
BT1 Aldehydes
BT2 Organic Compounds
BT1 Furans
BT2 Heterocyclic Compounds
BT3 Organic Compounds
BT2 Organic Oxygen Compounds
BT3 Organic Compounds

6-Furfurylaminopurine
DA December 1, 1974
USE Kinetin

FURILDIOXIME [01]
DA December 1, 1974
BT1 Furans
BT2 Heterocyclic Compounds
BT3 Organic Compounds
BT2 Organic Oxygen Compounds
BT3 Organic Compounds
BT1 Oximes
BT2 Amines
BT3 Organic Compounds
BT2 Hydroxy Compounds
BT3 Organic Compounds
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
BT1 Reagents

Furnace Oil
DA March 11, 1976
USE Heating Oils

FURNACES [01]
DA December 1, 1974
NT1 Blast Furnaces
NT1 Chamber Furnaces
NT1 Electric Furnaces
NT2 Arc Furnaces
NT2 Ceramic Melters
NT2 Induction Furnaces
NT1 Electron Beam Furnaces
NT1 Gas Furnaces
NT1 Multiple-Hearth Furnaces
NT1 Oil Furnaces
NT1 Plasma Furnaces
NT1 Solar Furnaces
NT1 Tunnel Furnaces
NT1 Vacuum Furnaces
NT1 Wood Burning Furnaces
RT Burners
RT Crucibles
RT Draft Control Systems
RT Gas Generators
RT Incinerators
RT Kilns
RT Melting
RT Sintering
RT Stokers

FURNITURE INDUSTRY [01]
DA July 23, 1977
BT1 Industry
RT Wood Products Industry

FURSOV PILE [01]
DA December 1, 1974
BT1 Graphite Moderated Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors

FUSARIUM [01]
DA December 1, 1974
BT1 Eumycota
BT2 Fungi
BT3 Plants
BT1 Parasites

Fused Cells (Animal)
DA February 10, 1984
USE Hybridomas

Fused Salt Fuels
DA December 1, 1974
USE Molten Salt Fuels

Fused Salts
DA December 1, 1974
USE Molten Salts

FUSES
DA October 3, 1979
UF *Fuzes*
BT1 Detonators

Fuses (Electric)
DA December 1, 1974
USE Electric Fuses

Fuses (Reactor Safety)
DA December 1, 1974
USE Reactor Safety Fuses

FUSHUN PROCESS
DA October 28, 1975
RT Oil Shales
DEF Oil shale retorting process involving direct heating by a mixture of combustion gases and reheated recycled gases.

FUSILEER OPERATION
DA October 25, 1985
BT1 Nuclear Explosions
BT2 Explosions
BT1 Underground Explosions
BT2 Explosions
RT Cavities
RT Contained Explosions
RT Nevada Test Site
RT Nuclear Weapons

Fusion (Bonding, Nonmetallic)
DA December 1, 1974
USE Bonding

Fusion (Melting)
DA December 1, 1974
USE Melting

Fusion (Nuclear)
DA December 1, 1974
USE Thermonuclear Reactions

Fusion (Welding)
DA December 1, 1974
USE Welding

Fusion Electromagnetic Induction Experiment
DA June 20, 1983
USE FELIX Facility

Fusion Energy
DA September 23, 1985
USE Thermonuclear Reactors

Fusion Fuels
DA May 23, 1980
USE Thermonuclear Fuels

FUSION HEAT [01]
DA December 1, 1974
UF *Heat of Fusion*
UF *Latent Heat of Fusion*
BT1 Transition Heat
BT2 Enthalpy
BT3 Thermodynamic Properties
BT4 Physical Properties
RT Latent Heat Storage
RT Phase Change Materials

Fusion Reactions
DA January 20, 1975
USE Heavy Ion Fusion Reactions

Fusion Reactors
DA December 1, 1974
USE Thermonuclear Reactors

FUSION YIELD [01]
DA June 12, 1975
UF *Yield (Fusion)*
BT1 Nuclear Reaction Yield
BT2 Yields
RT Thermonuclear Fuels
RT Thermonuclear Reactions
RT Thermonuclear Reactors

Fuzes
DA May 2, 1979
USE Fuses

→**FUZZY LOGIC [01]**
DA July 24, 1991
BT1 Mathematical Logic
RT Mathematical Models
RT Probability
RT Set Theory

FW-STOIC PROCESS
DA April 27, 1978
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes
RT Gas Generators

G-1 REACTOR [01]
DA December 1, 1974
UF *Marcoule G-1 Reactor*
BT1 Air Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Plutonium Production Reactors
BT2 Production Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

G-2 REACTOR [01]
DA December 1, 1974
UF *Marcoule G-2 Reactor*
BT1 Carbon Dioxide Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Plutonium Production Reactors
BT2 Production Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

G-3 REACTOR [01]
(Marcoule, France)
DA December 1, 1974
UF *Marcoule G-3 Reactor*
BT1 Carbon Dioxide Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Plutonium Production Reactors
BT2 Production Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

G CODES [01]
DA December 1, 1974
BT1 Computer Codes

G Factor (Gyromagnetic Ratio)
DA December 1, 1974
USE Gyromagnetic Ratio

G Factor (Lande)
DA December 1, 1974
USE Lande Factor

G MATRIX [01]
(Limited to the theory of nuclear reactions.)
DA December 1, 1974
BT1 Matrices
RT Nuclear Reactions

G PARITY [01]
(Property peculiar to mesons, not related to PARITY.)
DA December 1, 1974
BT1 Particle Properties
RT G-Parity Invariance

G-PARITY INVARIANCE [01]
DA December 1, 1974
BT1 Invariance Principles
RT G Parity

G-Proteins
DA May 23, 1988
USE GTP-ases

G Resonances
DA December 1, 1974
USE Rho3-1690 Mesons

G STATES [01]
DA March 28, 1979
BT1 Energy Levels

G VALUE [01]
(Limited to use in radiation chemistry; see also GYROMAGNETIC RATIO.)
DA December 1, 1974
RT Radiation Chemistry
RT Radiolysis

GA STANDARD REACTOR [01]
DA May 5, 1975
UF *General Atomic Standard Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 HTGR Type Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT2 Graphite Moderated Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

GABBROS [01]
DA August 12, 1980
BT1 Plutonic Rocks
BT2 Igneous Rocks
BT3 Rocks
NT1 Anorthosites
RT Feldspars
RT Silicate Minerals

GABON [01]
DA December 1, 1974
BT1 Africa
BT1 Developing Countries
RT Oklo Phenomenon
RT OPEC

GADOLINITE
DA September 11, 1975
BT1 Beryllium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Iron Compounds
BT2 Transition Element Compounds
BT1 Rare Earth Compounds
BT1 Silicates
BT2 Oxygen Compounds
BT2 Silicon Compounds
DEF A mineral consisting mainly of $Be_2 FeY_4 Si_2O_{13}$; also contains Ce and Er silicates.

GADOLINIUM [01]
DA December 1, 1974
BT1 Rare Earths
BT2 Metals
BT3 Elements

GADOLINIUM 137 [01]
DA November 6, 1984
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Gadolinium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

GADOLINIUM 138 [01]
DA October 25, 1985
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Gadolinium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

GADOLINIUM 139 [01]
DA November 6, 1984
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Gadolinium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

GADOLINIUM 140 [01]
DA October 25, 1985
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Gadolinium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

GADOLINIUM 141 [01]
DA September 5, 1984
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Gadolinium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

GADOLINIUM 142 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Gadolinium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

GADOLINIUM 142 TARGET [01]
DA May 7, 1977
BT1 Targets

GADOLINIUM 143 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Gadolinium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

GADOLINIUM 144 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Gadolinium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

GADOLINIUM 145 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Gadolinium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

GADOLINIUM 146 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Gadolinium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

GADOLINIUM 147 [01]
DA December 1, 1974

BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Gadolinium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Nanosec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

GADOLINIUM 148 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Gadolinium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Nanosec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

GADOLINIUM 148 TARGET [01]
DA July 18, 1981
BT1 Targets

GADOLINIUM 149 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Gadolinium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

GADOLINIUM 150 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Gadolinium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

GADOLINIUM 151 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Gadolinium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

GADOLINIUM 152 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Gadolinium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

GADOLINIUM 152 TARGET [01]
DA July 9, 1976
BT1 Targets

GADOLINIUM 153 [01]
DA December 1, 1974
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Gadolinium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

GADOLINIUM 154 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Gadolinium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

GADOLINIUM 154 TARGET [01]
DA July 9, 1976
BT1 Targets

GADOLINIUM 155 [01]
DA December 1, 1974
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Gadolinium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

GADOLINIUM 155 BEAMS [01]
DA February 24, 1987
BT1 Ion Beams
BT2 Beams

GADOLINIUM 155 REACTIONS [01]
DA November 29, 1984
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

GADOLINIUM 155 TARGET [01]
DA July 9, 1976
BT1 Targets

GADOLINIUM 156 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Gadolinium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

GADOLINIUM 156 TARGET [01]
DA July 9, 1976
BT1 Targets

GADOLINIUM 157 [01]
DA December 1, 1974
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Gadolinium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

GADOLINIUM 157 TARGET [01]
DA July 9, 1976
BT1 Targets

GADOLINIUM 158 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Gadolinium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

GADOLINIUM 158 TARGET [01]
DA July 9, 1976
BT1 Targets

GADOLINIUM 159 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Gadolinium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

GADOLINIUM 159 TARGET [01]
DA July 12, 1976
BT1 Targets

GADOLINIUM 160 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Gadolinium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei

BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

GADOLINIUM 160 TARGET [01]
DA July 9, 1976
BT1 Targets

GADOLINIUM 161 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Gadolinium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

GADOLINIUM 162 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Gadolinium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

GADOLINIUM 163 [01]
DA September 8, 1981
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Gadolinium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

GADOLINIUM 164 [01]
DA November 1, 1988
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Gadolinium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

GADOLINIUM ADDITIONS [01]
DA December 1, 1974
BT1 Gadolinium Alloys
BT2 Rare Earth Alloys
BT3 Alloys
BT1 Rare Earth Additions
BT2 Rare Earth Alloys
BT3 Alloys

GADOLINIUM ALLOYS [01]
DA December 1, 1974
BT1 Rare Earth Alloys
BT2 Alloys
NT1 Gadolinium Additions
NT1 Gadolinium Base Alloys

GADOLINIUM ARSENIDES [01]
DA August 9, 1977
BT1 Arsenides
BT2 Arsenic Compounds
BT2 Pnictides
BT1 Gadolinium Compounds
BT2 Rare Earth Compounds

GADOLINIUM BASE ALLOYS [01]
DA December 1, 1974
BT1 Gadolinium Alloys
BT2 Rare Earth Alloys
BT3 Alloys

GADOLINIUM BORIDES [01]
DA December 1, 1974
BT1 Borides
BT2 Boron Compounds
BT1 Gadolinium Compounds
BT2 Rare Earth Compounds

GADOLINIUM BROMIDES [01]
DA December 1, 1974
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Gadolinium Compounds
BT2 Rare Earth Compounds

GADOLINIUM CARBIDES [01]
DA December 1, 1974
BT1 Carbides
BT2 Carbon Compounds
BT1 Gadolinium Compounds
BT2 Rare Earth Compounds

GADOLINIUM CARBONATES [01]
DA December 1, 1974
BT1 Carbonates
BT2 Carbon Compounds
BT2 Oxygen Compounds
BT1 Gadolinium Compounds
BT2 Rare Earth Compounds

GADOLINIUM CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Gadolinium Compounds
BT2 Rare Earth Compounds

GADOLINIUM COMPLEXES [01]
DA December 1, 1974
BT1 Rare Earth Complexes
BT2 Complexes

GADOLINIUM COMPOUNDS [01]
DA December 1, 1974
BT1 Rare Earth Compounds
NT1 Gadolinium Arsenides
NT1 Gadolinium Borides
NT1 Gadolinium Bromides
NT1 Gadolinium Carbides
NT1 Gadolinium Carbonates
NT1 Gadolinium Chlorides
NT1 Gadolinium Fluorides
NT1 Gadolinium Hydrides
NT1 Gadolinium Hydroxides
NT1 Gadolinium Iodides
NT1 Gadolinium Nitrates
NT1 Gadolinium Nitrides
NT1 Gadolinium Oxides
NT1 Gadolinium Perchlorates
NT1 Gadolinium Phosphates
NT1 Gadolinium Phosphides
NT1 Gadolinium Selenides
NT1 Gadolinium Silicides
NT1 Gadolinium Sulfates
NT1 Gadolinium Sulfides
NT1 Gadolinium Tellurides
NT1 Gadolinium Tungstates

GADOLINIUM FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Gadolinium Compounds
BT2 Rare Earth Compounds

GADOLINIUM HYDRIDES [01]
DA December 1, 1974
BT1 Gadolinium Compounds
BT2 Rare Earth Compounds
BT1 Hydrides
BT2 Hydrogen Compounds

GADOLINIUM HYDROXIDES [01]
DA December 1, 1974
BT1 Gadolinium Compounds
BT2 Rare Earth Compounds
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds

GADOLINIUM IODIDES [01]
DA December 1, 1974
BT1 Gadolinium Compounds
BT2 Rare Earth Compounds
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds

GADOLINIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

GADOLINIUM ISOTOPES [01]
DA December 1, 1974
BT1 Rare Earth Isotopes
BT2 Isotopes
NT1 Gadolinium 137
NT1 Gadolinium 138
NT1 Gadolinium 139
NT1 Gadolinium 140
NT1 Gadolinium 141
NT1 Gadolinium 142
NT1 Gadolinium 143
NT1 Gadolinium 144
NT1 Gadolinium 145
NT1 Gadolinium 146
NT1 Gadolinium 147
NT1 Gadolinium 148
NT1 Gadolinium 149
NT1 Gadolinium 150
NT1 Gadolinium 151
NT1 Gadolinium 152
NT1 Gadolinium 153
NT1 Gadolinium 154
NT1 Gadolinium 155
NT1 Gadolinium 156
NT1 Gadolinium 157
NT1 Gadolinium 158
NT1 Gadolinium 159
NT1 Gadolinium 160
NT1 Gadolinium 161
NT1 Gadolinium 162
NT1 Gadolinium 163
NT1 Gadolinium 164

GADOLINIUM NITRATES [01]
DA December 1, 1974
BT1 Gadolinium Compounds
BT2 Rare Earth Compounds
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds

GADOLINIUM NITRIDES [01]
DA December 1, 1974
BT1 Gadolinium Compounds
BT2 Rare Earth Compounds
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides

GADOLINIUM OXIDES [01]
DA December 1, 1974
BT1 Gadolinium Compounds
BT2 Rare Earth Compounds
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds

GADOLINIUM PERCHLORATES [01]
DA January 20, 1975
BT1 Gadolinium Compounds
BT2 Rare Earth Compounds
BT1 Perchlorates
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Oxygen Compounds

GADOLINIUM PHOSPHATES [01]
DA December 1, 1974
BT1 Gadolinium Compounds
BT2 Rare Earth Compounds
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds

GADOLINIUM PHOSPHIDES [01]
DA August 25, 1976
BT1 Gadolinium Compounds
BT2 Rare Earth Compounds
BT1 Phosphides
BT2 Phosphorus Compounds
BT2 Pnictides

GADOLINIUM SELENIDES [01]
DA August 24, 1976
BT1 Gadolinium Compounds
BT2 Rare Earth Compounds
BT1 Selenides
BT2 Chalcogenides
BT2 Selenium Compounds

GADOLINIUM SILICIDES [01]
DA May 15, 1975
BT1 Gadolinium Compounds
BT2 Rare Earth Compounds
BT1 Silicides
BT2 Silicon Compounds

GADOLINIUM SULFATES [01]
DA December 1, 1974
BT1 Gadolinium Compounds
BT2 Rare Earth Compounds
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds

GADOLINIUM SULFIDES [01]
DA December 1, 1974
BT1 Gadolinium Compounds
BT2 Rare Earth Compounds
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds

GADOLINIUM TELLURIDES [01]
DA April 13, 1977
BT1 Gadolinium Compounds
BT2 Rare Earth Compounds
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds

GADOLINIUM TUNGSTATES [01]
DA February 16, 1988
BT1 Gadolinium Compounds
BT2 Rare Earth Compounds
BT1 Tungstates

Gages (Pressure)
DA December 1, 1974
USE Pressure Gages

Gages (Strain)
DA December 1, 1974
USE Strain Gages

GAIN [01]
DA December 1, 1974
BT1 Amplification
RT Amplifiers
RT Lock-In Amplifiers

GALACTIC EVOLUTION [01]
DA December 1, 1974
RT Astrophysics
RT Cosmological Models
RT Cosmology
RT Galaxies
RT Planet-System Accretion
RT Star Evolution
RT Universe

GALACTOSE [01]
DA December 1, 1974
BT1 Aldehydes
BT2 Organic Compounds
BT1 Hexoses
BT2 Monosaccharides
BT3 Saccharides
BT4 Carbohydrates
BT5 Organic Compounds
RT Cerebrosides

GALACTOSIDASE [01]
(Code numbers 3.2.1.22 and 3.2.1.23.)
DA December 1, 1974
BT1 O-Glycosyl Hydrolases
BT2 Glycosyl Hydrolases
BT3 Hydrolases
BT4 Enzymes
BT5 Proteins
BT6 Organic Compounds

GALACTURONIC ACID [01]
DA December 1, 1974
BT1 Aldehydes
BT2 Organic Compounds
BT1 Hydroxy Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
RT Pectins

GALAXIES [01]
DA December 1, 1974
UF *Local Group*
NT1 Magellanic Clouds
NT1 Markarian Galaxies
NT1 Milky Way
NT1 Radio Galaxies
NT1 Seyfert Galaxies
NT1 X-Ray Galaxies
RT Galactic Evolution
RT Galaxy Clusters
RT Galaxy Nuclei
RT Nebulae

GALAXY CLUSTERS [01]
DA December 1, 1974
UF *Clusters (Galaxy)*
RT Galaxies

GALAXY NUCLEI [01]
(Central part of galaxies.)
DA December 20, 1978
RT Galaxies

GALENA [01]
DA December 1, 1974
BT1 Sulfide Minerals
BT2 Minerals
RT Lead Sulfides

GALERKIN-PETROV METHOD [01]
DA December 1, 1974
UF *Petrov-Galerkin Method*
BT1 Iterative Methods
BT2 Calculation Methods
RT Analytical Solution
RT Equations
RT Mathematics
RT Numerical Solution

GALILEI TRANSFORMATIONS [01]
DA December 1, 1974
BT1 Transformations
RT Group Theory
RT Mechanics
RT Relativity Theory
RT Space-Time

Galileo Galilei Italy
DA December 1, 1974
USE RTS-1 Reactor

Gallbladder
DA December 1, 1974
USE Biliary Tract

GALLIC ACID [01]
DA December 1, 1974
UF *Trihydroxybenzoic Acid*
BT1 Hydroxy Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds

GALLIUM [01]
DA December 1, 1974
BT1 Metals
BT2 Elements

GALLIUM 61 [01]
DA February 19, 1975
BT1 Gallium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei

GALLIUM 62 [01]
DA January 20, 1975
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Gallium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

GALLIUM 63 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Gallium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

GALLIUM 64 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Gallium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

GALLIUM 65 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes

BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Gallium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

GALLIUM 65 TARGET [01]
DA July 9, 1976
BT1 Targets

GALLIUM 66 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Gallium Isotopes
BT2 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei

GALLIUM 67 [01]
DA December 1, 1974
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Gallium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei

GALLIUM 67 TARGET [01]
DA July 9, 1976
BT1 Targets

GALLIUM 68 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Gallium Isotopes
BT2 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei

GALLIUM 69 [01]
DA December 1, 1974
BT1 Gallium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

GALLIUM 69 TARGET [01]
DA July 9, 1976
BT1 Targets

GALLIUM 70 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Gallium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

GALLIUM 71 [01]
DA December 1, 1974
BT1 Gallium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

GALLIUM 71 TARGET [01]
DA July 9, 1976
BT1 Targets

GALLIUM 72 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Gallium Isotopes
BT2 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

GALLIUM 73 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Gallium Isotopes
BT2 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei

GALLIUM 74 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Gallium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

GALLIUM 75 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Gallium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

GALLIUM 76 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Gallium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

GALLIUM 77 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Gallium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

GALLIUM 78 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Gallium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

GALLIUM 79 [01]
DA October 1, 1975
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Gallium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei

BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

GALLIUM 80 [01]
DA October 1, 1975
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Gallium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

GALLIUM 81 [01]
DA July 7, 1976
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Gallium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

GALLIUM 82 [01]
DA July 7, 1976
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Gallium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

GALLIUM 83 [01]
DA July 7, 1976
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Gallium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

→**GALLIUM 84 [01]**
DA March 24, 1992
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Gallium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

GALLIUM ADDITIONS [01]
DA December 1, 1974
BT1 Gallium Alloys
BT2 Alloys

GALLIUM ALLOYS [01]
DA December 1, 1974
BT1 Alloys
NT1 Gallium Additions
NT1 Gallium Base Alloys

GALLIUM ANTIMONIDES
DA August 4, 1976
BT1 Antimonides
BT2 Antimony Compounds
BT2 Pnictides
BT1 Gallium Compounds

GALLIUM ARSENIDE SOLAR CELLS [01]
DA January 24, 1975
BT1 Solar Cells
BT2 Photovoltaic Cells
BT3 Photoelectric Cells
BT4 Direct Energy Converters
BT2 Solar Equipment
BT3 Equipment

GALLIUM ARSENIDES [01]
DA May 15, 1975
BT1 Arsenides
BT2 Arsenic Compounds
BT2 Pnictides
BT1 Gallium Compounds

GALLIUM BASE ALLOYS [01]
DA December 1, 1974
BT1 Gallium Alloys
BT2 Alloys

GALLIUM BROMIDES [01]
DA December 1, 1974
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Gallium Halides
BT2 Gallium Compounds
BT2 Halides
BT3 Halogen Compounds

GALLIUM CARBIDES [01]
DA December 1, 1974
BT1 Carbides
BT2 Carbon Compounds
BT1 Gallium Compounds

GALLIUM CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Gallium Halides
BT2 Gallium Compounds
BT2 Halides
BT3 Halogen Compounds

GALLIUM COMPLEXES [01]
DA December 1, 1974
BT1 Complexes

GALLIUM COMPOUNDS [01]
DA December 1, 1974
NT1 Gallium Antimonides
NT1 Gallium Arsenides
NT1 Gallium Carbides
NT1 Gallium Halides
NT2 Gallium Bromides
NT2 Gallium Chlorides
NT2 Gallium Fluorides
NT2 Gallium Iodides
NT1 Gallium Hydroxides
NT1 Gallium Nitrates
NT1 Gallium Nitrides
NT1 Gallium Oxides
NT1 Gallium Phosphates
NT1 Gallium Phosphides
NT1 Gallium Selenides
NT1 Gallium Sulfates
NT1 Gallium Sulfides
NT1 Gallium Tellurides

GALLIUM FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Gallium Halides
BT2 Gallium Compounds
BT2 Halides
BT3 Halogen Compounds

GALLIUM HALIDES [01]
DA June 29, 1984
BT1 Gallium Compounds
BT1 Halides
BT2 Halogen Compounds
NT1 Gallium Bromides
NT1 Gallium Chlorides
NT1 Gallium Fluorides
NT1 Gallium Iodides

GALLIUM HYDROXIDES [01]
DA December 1, 1974
BT1 Gallium Compounds
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds

GALLIUM IODIDES [01]
DA December 1, 1974
BT1 Gallium Halides
BT2 Gallium Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds

GALLIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

GALLIUM ISOTOPES [01]
DA December 1, 1974
BT1 Isotopes
NT1 Gallium 61
NT1 Gallium 62
NT1 Gallium 63
NT1 Gallium 64
NT1 Gallium 65
NT1 Gallium 66
NT1 Gallium 67
NT1 Gallium 68
NT1 Gallium 69
NT1 Gallium 70
NT1 Gallium 71
NT1 Gallium 72
NT1 Gallium 73
NT1 Gallium 74
NT1 Gallium 75
NT1 Gallium 76
NT1 Gallium 77
NT1 Gallium 78
NT1 Gallium 79
NT1 Gallium 80
NT1 Gallium 81
NT1 Gallium 82
NT1 Gallium 83
NT1 Gallium 84

GALLIUM NITRATES [01]
DA January 20, 1975
BT1 Gallium Compounds
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds

GALLIUM NITRIDES [01]
DA December 1, 1974
BT1 Gallium Compounds
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides

GALLIUM OXIDES [01]
DA December 1, 1974
BT1 Gallium Compounds
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds

GALLIUM PHOSPHATES [01]
DA October 1, 1975
BT1 Gallium Compounds
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds

GALLIUM PHOSPHIDE SOLAR CELLS [01]
DA May 15, 1975
BT1 Solar Cells
BT2 Photovoltaic Cells
BT3 Photoelectric Cells
BT4 Direct Energy Converters
BT2 Solar Equipment
BT3 Equipment

GALLIUM PHOSPHIDES [01]
DA May 15, 1975
BT1 Gallium Compounds
BT1 Phosphides
BT2 Phosphorus Compounds
BT2 Pnictides

GALLIUM SELENIDES [01]
DA January 20, 1975
BT1 Gallium Compounds
BT1 Selenides
BT2 Chalcogenides
BT2 Selenium Compounds

GALLIUM SULFATES [01]
DA December 1, 1974
BT1 Gallium Compounds
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds

GALLIUM SULFIDES [01]
DA December 1, 1974
BT1 Gallium Compounds
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds

GALLIUM TELLURIDES [01]
DA January 20, 1975
BT1 Gallium Compounds
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds

Gallotannic Acid
DA December 1, 1974
USE Tannic Acid

Gallstones
DA December 1, 1974
USE Biliary Tract
AND Calculi

GALOTER PROCESS
DA March 8, 1977
RT Oil Shales
DEF Shale fines are processed in rotating kiln and hot spent shale is used as heat carrier.

Galvanic Corrosion
DA December 1, 1974
USE Electrochemical Corrosion

GALVANOMAGNETIC EFFECT [01]
DA December 1, 1974
RT Magnetic Fields

GALVANOMETERS [01]
DA December 1, 1974
BT1 Electric Measuring Instruments
BT2 Electrical Equipment
BT3 Equipment
BT2 Measuring Instruments

GALVESTON BAY [01]
DA October 13, 1976
BT1 Bays
BT2 Coastal Waters
BT3 Surface Waters
BT1 Gulf of Mexico
BT2 Caribbean Sea
BT3 Atlantic Ocean
BT4 Seas
BT5 Surface Waters

GAMBIA [01]
DA July 5, 1978
BT1 Africa

GAME THEORY [01]
DA May 7, 1977
BT1 Statistics
BT2 Mathematics
RT Decision Making
RT Information Theory
RT Probability
DEF Application of mathematics to a game, business situation, or other problem to maximize gain or minimize loss.

GAMETES [01]
DA December 1, 1974
BT1 Germ Cells
NT1 Ova
NT1 Pollen
NT1 Spermatogonia
NT1 Spermatozoa
RT Fertilization
RT Gametogenesis
RT Haploidy
RT Zygotes

GAMETOGENESIS [01]
DA December 1, 1974
NT1 Oogenesis
NT1 Spermatogenesis
RT Cell Division
RT Gametes
RT Germ Cells
RT Gonads
RT Meiosis

GAMMA 10 DEVICES [01]
(Tsukuba University, Japan.)
DA March 20, 1989
BT1 Tandem Mirrors
BT2 Magnetic Mirrors
BT3 Open Plasma Devices
BT4 Thermonuclear Devices

GAMMA ASTRONOMY [01]
(For photon energies above 100 KeV.)
DA September 11, 1978
BT1 Astronomy
RT Cosmic Gamma Sources
RT Cosmic Radiation
RT Cosmic X-Ray Sources

GAMMA CAMERAS [01]
DA December 1, 1974
BT1 Cameras
NT1 Positron Cameras
RT Compton Scattering Tomography
RT Emission Computed Tomography
RT Radioisotope Scanners
RT Single Photon Emission Computed Tomography
DEF An instrument consisting of a large, thin scintillation crystal or array of photomultiplier tubes, a multichannel collimator, and circuitry to analyze the pulses produced by the photomultiplier.

GAMMA CASCADES [01]
DA December 1, 1974
BT1 Nuclear Cascades
RT Cascade Theory
RT Energy-Level Transitions

GAMMA DECAY [01]
DA October 12, 1988
BT1 Nuclear Decay
BT2 Decay
RT Internal Conversion
RT Internal Pair Production

GAMMA DETECTION [01]
DA December 1, 1974
UF *Photon Detection (Gamma)*
BT1 Radiation Detection
BT2 Detection
RT Compton Diode Detectors
RT Filament Crystal Counters
RT Gamma Dosimetry
RT Gamma Spectrometers
RT Gamma Spectroscopy
RT Radiation Detectors
RT Radioisotope Scanning

GAMMA DIFFRACTOMETERS [01]
DA April 15, 1975
BT1 Diffractometers
BT2 Measuring Instruments
RT Crystallography
RT Diffraction
RT X-Ray Diffractometers

GAMMA DOSIMETRY [01]
DA December 1, 1974
BT1 Dosimetry
RT Gamma Detection

GAMMA FUEL SCANNING [01]
DA December 1, 1974
BT1 Fuel Scanning
BT1 Gamma Radiography
BT2 Industrial Radiography

GAMMA FUNCTION [01]
DA December 1, 1974
BT1 Functions
RT Mathematics

GAMMA-GAMMA LOGGING [01]
DA June 7, 1976
UF *Density Log*
BT1 Radioactivity Logging
BT2 Well Logging
DEF Well logging using gamma source and gamma detector.

Gamma Heating
DA April 8, 1975
USE Radiation Heating

GAMMA LOGGING [01]
DA June 7, 1976
BT1 Radioactivity Logging
BT2 Well Logging
RT Natural Radioactivity
DEF Well logging the natural radioactivity of a well.

GAMMA RADIATION [01]
DA December 1, 1974
BT1 Electromagnetic Radiation
BT2 Radiations
BT1 Ionizing Radiations
BT2 Radiations
NT1 Delayed Gamma Radiation
NT1 Prompt Gamma Radiation
RT Cosmic Gamma Sources
RT Gamma Sources
RT Gamma Spectra
RT Photons
RT Sievert Unit
RT X Radiation

GAMMA RADIOGRAPHY [01]
DA December 1, 1974
BT1 Industrial Radiography
NT1 Gamma Fuel Scanning

Gamma-Ray Lasers
(Prior to August 1981, this was a valid descriptor.)
DA March 8, 1978
USE Gasers

Gamma Reactions
DA March 12, 1985
USE Photonuclear Reactions

GAMMA SOURCES [01]
(For cosmic sources of gamma radiation use COSMIC GAMMA SOURCES.)
DA December 1, 1974

BT1 Radiation Sources
RT Gamma Radiation

GAMMA SPECTRA [01]
DA December 1, 1974
BT1 Spectra
RT Escape Peaks
RT Gamma Radiation

GAMMA SPECTROMETERS [01]
DA December 1, 1974
BT1 Spectrometers
BT2 Measuring Instruments
NT1 Compton Spectrometers
NT1 Moessbauer Spectrometers
NT1 Pair Spectrometers
RT Gamma Detection
RT Whole-Body Counters

GAMMA SPECTROSCOPY [01]
DA December 1, 1974
BT1 Spectroscopy
RT Cooling Time
RT Fuel Cooling Time
RT Gamma Detection
RT Radiometric Surveys

Gamma Transmission Scanning
DA May 15, 1975
USE Photon Transmission Scanning

GAMMA TRANSPORT THEORY [01]
DA December 1, 1974
BT1 Transport Theory
RT Photon Transport

GAMMAPHOS [01]
(S-2-(Omega-aminopropylaminoethyl) phosphorothioate.)
DA May 6, 1975
BT1 Amines
BT2 Organic Compounds
BT1 Radioprotective Substances
BT2 Drugs
BT1 Thiophosphoric Acid Esters
BT2 Esters
BT3 Organic Compounds

GAMMEL-BRUECKNER POTENTIAL
DA January 20, 1975
BT1 Nucleon-Nucleon Potential
BT2 Potentials

Gammel-Christian-Thaler Theory
DA December 1, 1974
USE Gammel-Thaler Potential

GAMMEL-THALER POTENTIAL [01]
DA December 1, 1974
UF *Gammel-Christian-Thaler Theory*
BT1 OPE Potential
BT2 Potentials

GAMOW BARRIER [01]
DA December 1, 1974
UF *Gamow Factor*
RT Alpha Decay
RT Nuclear Potential

Gamow Factor
DA December 1, 1974
USE Gamow Barrier

Gamow-Teller Decay
DA December 1, 1974
USE Gamow-Teller Rules

GAMOW-TELLER RULES [01]
DA December 1, 1974
UF *Gamow-Teller Decay*
UF *Gamow-Teller Theory*
RT Beta Decay

Gamow-Teller Theory
DA December 1, 1974
USE Gamow-Teller Rules

GANGA RIVER [01]
DA December 1, 1974
UF *Ganges River*
BT1 Rivers
BT2 Streams
BT3 Surface Waters
RT Bangladesh
RT India

Ganges River
DA May 17, 1976
USE Ganga River

GANGLIONS [01]
DA December 1, 1974
BT1 Nervous System
RT Autonomic Nervous System
RT Spinal Cord
RT Thalamus

GANGLIOSIDES [01]
DA December 1, 1974
BT1 Glycolipids
BT2 Lipids
BT3 Organic Compounds
BT2 Saccharides
BT3 Carbohydrates
BT4 Organic Compounds
RT Sialic Acid

GANGRENE [01]
DA December 1, 1974
BT1 Necrosis
BT2 Pathological Changes
RT Ulcers

GANGUE [01]
DA December 1, 1974
BT1 Residues
RT Slags

GANIL
(Prior to July 1985, this was a valid descriptor and older material is so indexed.)
DA May 13, 1976
USE Ganil Cyclotron

GANIL CYCLOTRON [01]
(Grand Accelerateur National 'a Ions Lourdes, a heavy ion accelerator consisting of two identical isochronous cyclotrons and a particle booster for injection, located in Orsay, France.)
DA May 31, 1979
UF *GANIL*
BT1 Heavy Ion Accelerators
BT2 Accelerators
RT Heavy Ions
RT Isochronous Cyclotrons

Garching IPP
DA May 19, 1976
USE IPP Garching

Gardenhose Instability
DA May 5, 1975
USE Hose Instability

GARDENING
DA March 29, 1979
RT Agriculture
RT Horticulture
RT Leisure Time Activities

GARIGLIANO REACTOR [01]
(Sessa Aurunea, Caserta, Italy)
DA December 1, 1974
UF *SENN Reactor*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

→**GARLIC [01]**
DA September 16, 1992
BT1 Vegetables
BT2 Food
BT2 Plants
RT Allium Sativum
RT Bulbs

GARNETS [01]
(For silicate garnets only.)
DA December 1, 1974
BT1 Silicate Minerals
BT2 Minerals
BT1 Silicates
BT2 Oxygen Compounds
BT2 Silicon Compounds
NT1 Andradite
RT Calcium Silicates
RT Ferrite Garnets
RT Iron Silicates
DEF A group of minerals of formula: $A_3B_2(SiO_4)_3$, where $A=Ca,Mg,Fe^{+2}$, and Mn^{+2}, and $B=Al,Fe,^{+3}$, Mn^{+3}, and Cr.

GARONA REACTOR [01]
DA December 1, 1974
UF *Santa Maria de Garona Nuclear Power Plant*
UF *Santa Maria de Garona Power Reactor*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

Garrett Process
DA March 8, 1977
USE Oxy Modified In-Situ Process

Garrett Pyrolysis Process
DA January 24, 1975
USE Occidental Flash Pyrolysis Process

GARTENHAUS POTENTIAL [01]
DA December 1, 1974
BT1 Potentials
RT Nucleon-Nucleon Potential

GAS ANALYSIS [01]
DA December 1, 1974
UF *Analysis (Gas)*
RT Electron-Capture Detectors
RT Gas Chromatography
RT Gases
RT Ion-Mobility Detectors
RT Orsat Apparatus
RT Photoacoustic Spectrometers
RT Quantitative Chemical Analysis
RT Radio-Release Analysis

GAS APPLIANCES [01]
DA June 21, 1977
UF *Natural Gas Appliances*
BT1 Appliances
BT2 Equipment
RT Clothes Dryers
RT Clothes Washers
RT Dishwashers
RT Freezers
RT Ovens
RT Refrigerators
RT Water Heaters

GAS BEARINGS [01]
DA December 1, 1974
BT1 Bearings

GAS BLANKETS [01]
(For plasma confinement. For other gas blankets see COVER GAS or INERT ATMOSPHERE.)
DA October 1, 1975
RT Plasma Confinement

GAS BUBBLE DISEASE
DA April 19, 1976
BT1 Vascular Diseases
BT2 Diseases

RT Aquatic Ecosystems
RT Water Quality

GAS BURNERS [01]
DA May 9, 1979
BT1 Burners
RT Combustion
RT Gas Furnaces

Gas Bursts
DA May 7, 1977
USE Rock Bursts

GAS CENTRIFUGATION [01]
DA January 20, 1975
BT1 Centrifugation
BT2 Separation Processes
BT1 Isotope Separation
BT2 Separation Processes
RT Centrifuge Enrichment Plants
RT Gas Centrifuges
RT Isotope Enriched Materials
RT Isotopes
RT Ultracentrifugation

GAS CENTRIFUGES [01]
DA December 1, 1974
BT1 Centrifuges
BT2 Concentrators
RT Gas Centrifugation
RT Isotope Separation
RT Ultracentrifuges

GAS CHROMATOGRAPHY [01]
DA December 1, 1974
BT1 Chromatography
BT2 Separation Processes
RT Gas Analysis
RT Partition

GAS COMBUSTION PROCESS
DA January 28, 1975
RT Oil Shales
DEF A process that involves the direct heating of oil shales by hot gases from combustion within the retorting vessel.

GAS COMPRESSORS [01]
DA September 12, 1975
BT1 Compressors
RT Compressed Gases
RT Vapor Compression Refrigeration Cycle

GAS CONDENSATE FIELDS [01]
DA July 23, 1977
BT1 Natural Gas Fields
BT2 Natural Gas Deposits
BT3 Geologic Deposits
BT3 Mineral Resources
BT4 Resources
BT1 Petroleum Deposits
BT2 Geologic Deposits
BT2 Mineral Resources
BT3 Resources
RT Gas Condensate Wells
RT Oil Fields
DEF An oil and gas reservoir that produces more gas than oil. Condensate does not appear until the gas climbs the wellbore and its temperature and pressure are reduced sufficiently to condense some of it into liquid petroleum.

GAS CONDENSATE WELLS [01]
DA December 1, 1982
BT1 Wells
RT Gas Condensate Fields
RT Gas Condensates
RT Natural Gas Wells
RT Oil Wells

GAS CONDENSATES [01]
DA May 23, 1980
BT1 Condensates
BT1 Natural Gas Liquids
BT2 Liquids
BT3 Fluids
RT Gas Condensate Wells

Gas Coolants
DA December 1, 1974
USE Gases

Gas Cooled Fast Breeder Reactor
DA December 1, 1974
USE GCFR Reactor

Gas Cooled Fast Breeder Reactors
DA January 28, 1975
USE GCFR Type Reactors

Gas Cooled Graphite Moderated Reactor
DA December 1, 1974
USE GCR Type Reactors

Gas Cooled Reactor Experiment
DA December 1, 1974
USE GCRE Reactor

GAS COOLED REACTORS [01]
DA May 6, 1975
SF *710 Reactor*
BT1 Reactors
* **NT1** Air Cooled Reactors
* **NT1** Carbon Dioxide Cooled Reactors
NT1 GCFR Type Reactors
NT2 GCFR Reactor
* **NT1** GCR Type Reactors
* **NT1** Helium Cooled Reactors
* **NT1** HTGR Type Reactors
* **NT1** HWGCR Type Reactors
* **NT1** Hydrogen Cooled Reactors
NT1 Nitrogen Cooled Reactors
NT2 HTLTR Reactor
NT2 ML-1 Reactor
NT2 Zenith Reactor
NT1 Pebble Bed Reactors
NT2 AVR Reactor
NT2 THTR-300 Reactor
NT2 VG-400 Reactor
NT2 VGR-50 Reactor

GAS COOLING [01]
DA December 1, 1974
BT1 Cooling

GAS CYLINDERS [01]
DA December 1, 1974
BT1 Containers

GAS DISCHARGE TUBES [01]
DA December 1, 1974
BT1 Electron Tubes
NT1 Flash Tubes
NT1 Geissler Tubes
NT1 Ignitrons
NT1 Thyratrons

GAS DYNAMIC LASERS [01]
DA August 21, 1981
BT1 Gas Lasers
BT2 Lasers

Gas Engines
DA January 28, 1975
USE Internal Combustion Engines

Gas Fields
DA March 11, 1976
USE Natural Gas Fields

GAS FLOW [01]
DA December 1, 1974
BT1 Fluid Flow
NT1 Air Flow
NT1 Knudsen Flow
NT1 Slip Flow
RT Aerodynamics
RT Air Curtains
RT Compressible Flow
RT Electrogasdynamics
RT Joule-Thomson Effect
RT Magnetogasdynamics
RT Multiphase Flow
RT Two-Phase Flow

GAS-FLOW PROCESSES
DA November 11, 1975
RT Oil Shales
DEF Oil shale retorting processes in which heat transfer is effected by an externally heated carrier fluid, in this case superheated steam mixed with air.

GAS FUELED REACTORS [01]
DA December 1, 1974
BT1 Fluid Fueled Reactors
BT2 Reactors
BT1 Homogeneous Reactors
BT2 Reactors
NT1 Coaxial Flow Reactors
NT1 Light Bulb Reactors
NT1 Plasma Core Assembly
RT Gas Fuels

GAS FUELS [01]
DA December 1, 1974
BT1 Fuels
NT1 Fuel Gas
NT2 High BTU Gas
NT2 Intermediate BTU Gas
NT3 Carburetted Water Gas
NT3 Town Gas
NT3 Water Gas
NT2 Low BTU Gas
NT3 Producer Gas
NT2 Natural Gas
NT3 Abiogenic Gas
NT3 Liquefied Natural Gas
RT Fissioning Plasma
RT Gas Fueled Reactors

GAS FURNACES [01]
DA March 4, 1977
BT1 Furnaces
RT Gas Burners

GAS GENERATORS
DA November 17, 1976
NT1 Hydrogen Generators
RT Furnaces
RT FW-Stoic Process
RT Gases
RT Oil Shale Processing Plants
RT Wellman-Incandescent Process
RT Wilputte Process
DEF A device used to generate gases in the laboratory; a chemical plant for producing gas from coal, for example, water gas.

GAS HEAT PUMPS
DA November 25, 1980
BT1 Heat Pumps
RT Natural Gas
RT Space HVAC Systems

GAS HYDRATES [01]
DA January 28, 1977
UF *Methane Hydrates*
BT1 Hydrates
RT Natural Gas
RT Natural Gas Hydrate Deposits
RT Pipelines
DEF Crystalline solid clathrate compound formed by natural gas and water and insoluble in water.

GAS INJECTION [01]
DA March 11, 1976
BT1 Fluid Injection
RT Petroleum
RT Reactor Fueling
RT Thermonuclear Fuels
RT Thermonuclear Reactor Fueling
RT Well Stimulation

GAS-INSULATED CABLES [01]
DA March 11, 1976
BT1 Electric Cables
BT2 Cables
BT2 Conductor Devices
BT3 Electrical Equipment
BT4 Equipment
RT Power Transmission
RT Power Transmission Lines

GAS-INSULATED SUBSTATIONS [01]
DA March 10, 1982

BT1 Power Substations
RT Sulfur Fluorides

GAS-INSULATED TRANSFORMERS
DA May 18, 1981
BT1 Transformers
BT2 Electrical Equipment
BT3 Equipment
RT Power Systems
RT Power Transmission

GAS LASERS [01]
DA January 20, 1975
BT1 Lasers
NT1 Carbon Dioxide Lasers
NT1 Carbon Monoxide Lasers
NT1 Excimer Lasers
NT2 Krypton Chloride Lasers
NT2 Krypton Fluoride Lasers
NT1 Gas Dynamic Lasers
NT1 Helium-Neon Lasers
NT1 Helium-Xenon Lasers
NT1 Metal Vapor Lasers

GAS LIFTS [01]
DA January 28, 1977
BT1 Artificial Lifts
RT Oil Wells
RT Petroleum
DEF Process of lifting fluids from a well by injecting relatively high-pressure gas to reduce the flow gradient or to lift an accumulated slug.

GAS LUBRICANTS [01]
DA December 1, 1974
BT1 Lubricants

GAS METAL-ARC WELDING [01]
DA December 1, 1974
BT1 Arc Welding
BT2 Welding
BT3 Joining
BT4 Fabrication
NT1 Gas Tungsten-Arc Welding

GAS METERS [01]
DA April 6, 1978
UF+ *Hydrocarbon Logging*
BT1 Meters
BT2 Measuring Instruments
RT Energy Consumption
RT Master Metering
RT Natural Gas

Gas Odorization
DA March 4, 1977
USE Odorization

GAS OILS [01]
(Boiling point range 232-426°C.)
DA June 12, 1975
BT1 Petroleum Distillates
BT2 Distillates
BT2 Petroleum Fractions
BT3 Petroleum
BT4 Fossil Fuels
BT5 Energy Sources
BT5 Fuels
BT1 Petroleum Products
NT1 Diesel Fuels
NT1 Heating Oils
NT1 Kerosene
DEF Petroleum distillate boiling within the general range 232-426°C.

GAS PRODUCTION RATES
DA September 26, 1979
UF *Helium Production Rates*
UF *Hydrogen Production Rates*
RT Damaging Neutron Fluence
RT Physical Radiation Effects
RT Transmutation
DEF Neutron irradiation induced helium or hydrogen in the lattice structure of reactor structural materials.

GAS RECYCLE HYDROGENATION PROCESS
DA January 23, 1976
BT1 SNG Processes
RT Petroleum
RT Steam Reformer Processes
DEF Gasification of distillate feed stock produced from crude oil to manufacture SNG.

GAS SATURATION [01]
DA June 2, 1977
UF *Reservoir Gas Saturation*
BT1 Saturation
RT Oil Saturation
RT Reservoir Rock
RT Water Saturation
DEF Degree of filling of reservoir pore structure by reservoir gas.

GAS SCINTILLATION DETECTORS [01]
DA December 1, 1974
BT1 Scintillation Counters
BT2 Radiation Detectors
BT3 Measuring Instruments
RT Proportional Counters
RT Rare Gases

GAS SPILLS [01]
DA July 7, 1976
UF *LNG Spills*
BT1 Accidents
RT Chemical Spills
RT Hazardous Materials Spills
RT Natural Gas
RT Pollution

Gas Stations
DA May 9, 1979
USE Gasoline Service Stations

GAS TRACK DETECTORS [01]
DA December 1, 1974
UF *Track Detectors (Gas)*
BT1 Radiation Detectors
BT2 Measuring Instruments
NT1 Bubble Chambers
NT2 Cryogenic Bubble Chambers
NT2 Heavy Liquid Bubble Chambers
NT2 Ultrasonic Bubble Chambers
NT1 Cloud Chambers
NT2 Expansion Chambers
* **NT1** Spark Chambers

GAS TUNGSTEN-ARC WELDING [01]
DA December 1, 1974
BT1 Gas Metal-Arc Welding
BT2 Arc Welding
BT3 Welding
BT4 Joining
BT5 Fabrication

GAS TURBINE ENGINES [01]
DA February 23, 1979
BT1 Internal Combustion Engines
BT2 Heat Engines
BT3 Engines
RT AAPS
RT Coal-Fired Gas Turbines

GAS TURBINE POWER PLANTS [01]
DA September 6, 1979
BT1 Power Plants
RT Coal-Fired Gas Turbines
RT Combined-Cycle Power Plants
RT Gas Turbines
RT Peaking Power Plants
RT Power Generation

GAS TURBINES [01]
DA December 1, 1974
BT1 Turbines
BT2 Turbomachinery
BT3 Machinery
BT4 Equipment
NT1 Coal-Fired Gas Turbines
RT Brayton Cycle Power Systems
RT Gas Turbine Power Plants
RT Steam Turbines

GAS UTILITIES [01]
DA February 14, 1978
SF *Utilities*
BT1 Public Utilities
RT Load Analysis
RT Master Metering
RT Natural Gas Distribution Systems
RT Natural Gas Industry
RT Rate Structure

GAS WELDING [01]
DA December 1, 1974
BT1 Welding
BT2 Joining
BT3 Fabrication

Gas Wells
DA October 1, 1975
USE Natural Gas Wells

GAS YIELDS [01]
DA April 19, 1976
BT1 Yields
RT Productivity

GASBUGGY EVENT [01]
DA December 1, 1974
BT1 Crosstie Operation
BT2 Nuclear Explosions
BT3 Explosions
BT2 Underground Explosions
BT3 Explosions
BT1 Plowshare Project
RT Natural Gas
RT Oil Shales

GASEOUS DIFFUSION [01]
DA December 1, 1974
BT1 Diffusion

GASEOUS DIFFUSION PLANTS [01]
DA December 1, 1974
BT1 Isotope Separation Plants
BT2 Industrial Plants
BT2 Nuclear Facilities
NT1 Cogema Pierrelatte
NT1 ORGDP
NT1 Paducah Plant
NT1 Portsmouth Gaseous Diffusion Plant
RT EURODIF
RT Gaseous Diffusion Process
RT Nuclear Industry

GASEOUS DIFFUSION PROCESS [01]
DA December 1, 1974
BT1 Isotope Separation
BT2 Separation Processes
RT Diffusion Barriers
RT Gaseous Diffusion Plants
RT ORGDP

Gaseous Effluents
DA December 1, 1974
USE Gaseous Wastes

GASEOUS WASTES [01]
DA December 1, 1974
UF *Effluents (Gaseous)*
UF *Gaseous Effluents*
UF+ *Radioactive Gaseous Wastes*
BT1 Wastes
NT1 Exhaust Gases
NT1 Flue Gas
RT Chemical Effluents
RT Combustion Products
RT Electrostatic Precipitators
RT Fume Hoods
RT Gases
RT Ground Release
RT Industrial Wastes
RT Off-Gas Systems
RT Plumes
RT Radioactive Effluents
RT Stack Disposal
RT Stacks
RT Ventilation
RT Waste Disposal

GASERS [01]
(Gamma-ray Amplification by Stimulated Emission of Radiation.)
DA May 17, 1976
UF *Gamma-Ray Lasers*

UF *Grasers*
SF *Stimulated Emission Devices*
RT Lasers
RT Masers

GASES [01]
DA December 1, 1974
UF *Gas Coolants*
BT1 Fluids
NT1 Air
NT2 Compressed Air
NT2 Surface Air
NT1 Associated Gas
NT1 Coal Gas
NT1 Compressed Gases
NT2 Compressed Air
NT1 Cosmic Gases
NT1 Cover Gas
NT1 Dissociating Gases
NT1 Dissolved Gases
NT1 Electron Gas
NT1 Exhaust Gases
NT1 Fermi Gas
NT1 Fuel Gas
NT2 High BTU Gas
NT2 Intermediate BTU Gas
NT3 Carburetted Water Gas
NT3 Town Gas
NT3 Water Gas
NT2 Low BTU Gas
NT3 Producer Gas
NT2 Natural Gas
NT3 Abiogenic Gas
NT3 Liquefied Natural Gas
NT1 Ionized Gases
NT2 Fully Ionized Gases
NT3 Lorentz Gas
NT2 Strongly Ionized Gases
NT2 Weakly Ionized Gases
NT1 Pyrolytic Gases
NT1 Rare Gases
NT2 Argon
NT2 Helium
NT2 Krypton
NT2 Neon
NT2 Radon
NT2 Xenon
NT1 Rarefied Gases
NT1 Refinery Gases
NT1 Shale Gas
NT1 Synthesis Gas
NT1 Vapors
NT2 Water Vapor
NT1 Volcanic Gases
RT Aeration
RT Boltzmann Equation
RT Buffers
RT Coolants
RT Dispersions
RT Gas Analysis
RT Gas Generators
RT Gaseous Wastes
RT Hard-Sphere Model
RT Jesse Effect
RT Kinetic Equations
RT Kinetics
RT Paschen Law
RT Phase Diagrams
RT Underground Disposal
RT Virial Equation

GASIFICATION [01]
DA December 1, 1974
BT1 Thermochemical Processes
NT1 Biothermgas Process
NT1 Coal Gasification
NT2 Agglomerating Ash Process
NT2 Arc Coal Process
NT2 Atgas Process
NT2 Babcock and Wilcox-DuPont Process
NT2 Beacon Process
NT2 BGC-Lurgi Slagging Process
NT2 Bi-Gas Process
NT2 CE Entrained Fuel Process
NT2 Coalcon Process
NT2 COGAS Process
NT2 Combined-Cycle FW Process
NT2 Consol Synthetic Gas Process
NT2 CS-R Process
NT2 CSIRO Process
NT2 Dow Gasification Process
NT2 Exxon Gasification Process
NT2 Fischer-Tropsch/Mobil Process
NT2 Flash Hydropyrolysis Process
NT2 FW-Stoic Process
NT2 GEGAS Process
NT2 GKT Process
NT2 HTW Process
NT2 Humboldt Gasification Process
NT2 Hydrane Process
NT2 Hygas Process
NT2 I G Process
NT2 KBW Gasification Process
NT2 Kellogg Process
NT2 Kilngas Process
NT2 Klockner-Iron Bath Coal Gasification Process
NT2 Koppers Process
NT2 Koppers-Totzek Process
NT2 KRW Gasification Process
NT2 Lichtenberg Process
NT2 Liquid Phase Methanation Process
NT2 Lurgi CFB Gasification Process
NT2 Lurgi Process
NT2 Lurgi Slagging Process
NT2 MERC Process
NT2 MIGAS Process
NT2 Molten Iron Puregas Process
NT2 Molten Salt Coal Gasification Process
NT2 Moving-Burden Process
NT2 Occidental Flash Pyrolysis Process
NT2 Otto Rummel Slag Bath Process
NT2 Patgas Process
NT2 Peatgas Process
NT2 PRENFLO Process
NT2 Riley-Morgan Process
NT2 Rockgas Process
NT2 Ruhr 100 Gasification Process
NT2 Saarberg-Otto Gasification Process
NT2 Seacoke Process
NT2 Shell-Koppers Gasification Process
NT2 Simplex Process
NT2 Stone and Webster Gasification Process
NT2 Synthane Process
NT2 Texaco Gasification Process
NT2 Tosco-Dyne Process
NT2 Toscoal Process
NT2 Tri-Gas Process
NT2 U-Gas Process
NT2 Wellman-Galusha Process
NT2 Wellman-Incandescent Process
NT2 Westinghouse Gasification Process
NT2 Wilputte Process
NT2 Woodall-Duckham Process
NT1 In-Situ Gasification
RT Caloricon Process
RT Coal

GASKETS [01]
DA December 1, 1974
UF *O-Rings*
BT1 Seals
RT Weatherstripping

GASOHOL [01]
(Previous to August, 1979 this concept was indexed as gasoline AND mixtures AND ethanol or methanol.)
DA August 7, 1979
BT1 Liquid Fuels
BT2 Fuels
RT Alcohol Fuels
RT Alcohols
RT Automotive Fuels
RT Ethanol Fuels
RT Exhaust Gases
RT Gasoline
RT Methanol Fuels
DEF Blend of gasoline and an alcohol, usually methanol or ethanol.

GASOHOL PROGRAM
DA September 15, 1976
RT Ethanol
RT Gasoline
RT Synthetic Fuels
DEF Program for blending agriculturally derived ethanol and unleaded gasoline.

GASOLINE [01]
DA December 1, 1974
BT1 Liquid Fuels
BT2 Fuels
BT1 Petroleum Products
NT1 Unleaded Gasoline
RT Automotive Fuels
RT Bromine Number
RT Gasohol
RT Gasohol Program
RT Gasoline Service Stations
RT Mobil M-gasoline Process
RT Spark Ignition Engines

Gasoline Engines
DA January 28, 1975
USE Internal Combustion Engines

GASOLINE PLANTS
DA February 27, 1979
BT1 Chemical Plants
BT2 Industrial Plants
RT Coal Gasification
RT Commercialization
RT Methanol Plants
RT Mobil M-gasoline Process

GASOLINE SERVICE STATIONS
DA May 9, 1979
UF *Filling Stations*
UF *Full-Serve Stations*
UF *Gas Stations*
UF *Mini-Serve Stations*
UF *Self-Serve Stations*
UF *Service Stations*
BT1 Retailers
BT2 Commercial Sector
BT2 Marketers
RT Automotive Fuels
RT Gasoline
RT Small Businesses
RT Unleaded Gasoline

Gasteropods
DA December 1, 1974
USE Molluscs

GASTRECTOMY [01]
DA December 1, 1974
BT1 Surgery
BT2 Medicine
RT Digestive System Diseases
RT Stomach

GASTRIC ACID [01]
DA December 1, 1974
BT1 Body Fluids
BT2 Biological Materials
BT3 Materials
RT Digestion
RT Gastrin
RT Secretion
RT Stomach

Gastric Administration
DA December 1, 1974
USE Oral Administration

GASTRIN [01]
DA December 1, 1974
BT1 Peptide Hormones
BT2 Hormones
BT2 Proteins
BT3 Organic Compounds
BT1 Polypeptides
BT2 Peptides
BT3 Proteins
BT4 Organic Compounds
RT Gastric Acid
RT Secretion
RT Stomach

GASTROINTESTINAL TRACT [01]
DA December 1, 1974
BT1 Digestive System
NT1 Intestines
NT2 Large Intestine

NT3 Rectum
NT2 Small Intestine
NT1 Stomach
RT Abdomen
RT Metabolic Diseases
RT Nippostrongylus
RT Peritoneum
RT Radiation Syndrome
RT Trichinosis

GASTUNITE [01]
DA December 1, 1974
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials

GASYNTHAN PROCESS
DA January 23, 1976
BT1 SNG Processes
RT High BTU Gas
RT Petroleum
RT Steam Reformer Processes
DEF Production of synthetic natural gas with calorific value up to 1000 Btu/scf, at pressures between 300 and 500 psig, from natural gas condensates, propane - butane, refinery gases, light and full range naphtha.

GATING CIRCUITS [01]
DA December 1, 1974
BT1 Electronic Circuits
RT Logic Circuits
RT Switching Circuits

GAUGE INVARIANCE [01]
DA December 1, 1974
UF *Gauge Transformations*
BT1 Invariance Principles
RT Aharonov-Bohm Effect
RT Baryon Number
RT Charge Conservation
RT Hypercharge
RT Instantons
RT Lattice Field Theory
RT Lepton Number
RT Operator Product Expansion
RT Quantum Field Theory
RT Strangeness
RT Supergravity
RT Unified Gauge Models
RT Ward Identity

Gauge Transformations
DA December 1, 1974
USE Gauge Invariance

Gauss Distribution
DA December 1, 1974
USE Gauss Function

GAUSS FUNCTION [01]
DA December 1, 1974
UF *Gauss Distribution*
BT1 Functions
RT Distribution
RT Gaussian Processes
RT Statistics

Gauss Nuclear Model
DA December 1, 1974
USE Gauss Potential

GAUSS POTENTIAL [01]
DA December 1, 1974
UF *Gauss Nuclear Model*
BT1 Nucleon-Nucleon Potential
BT2 Potentials

Gauss Quadratures
DA December 1, 1974
USE Quadratures

GAUSSIAN PROCESSES [01]
DA December 1, 1974
RT Distribution
RT Gauss Function
RT Stochastic Processes

GCEP
DA April 8, 1987
USE Portsmouth Centrifuge Enrichment Plant

GCFR REACTOR [01]
DA December 1, 1974
UF *Gas Cooled Fast Breeder Reactor*
UF *Gulf General Atomic Fast Breeder Reactor*
BT1 GCFR Type Reactors
BT2 FBR Type Reactors
BT3 Breeder Reactors
BT4 Reactors
BT3 Fast Reactors
BT4 Epithermal Reactors
BT5 Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Helium Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors

GCFR TYPE REACTORS [01]
DA January 20, 1975
UF *Gas Cooled Fast Breeder Reactors*
BT1 FBR Type Reactors
BT2 Breeder Reactors
BT3 Reactors
BT2 Fast Reactors
BT3 Epithermal Reactors
BT4 Reactors
BT1 Gas Cooled Reactors
BT2 Reactors
NT1 GCFR Reactor

GCR TYPE REACTORS [01]
DA May 6, 1975
UF *Gas Cooled Graphite Moderated Reactor*
BT1 Gas Cooled Reactors
BT2 Reactors
BT1 Graphite Moderated Reactors
BT2 Reactors
* **NT1** AGR Type Reactors
NT1 Bugey-1 Reactor
NT1 Chinon-1 Reactor
NT1 Chinon-2 Reactor
NT1 Chinon-3 Reactor
* **NT1** Magnox Type Reactors
NT1 Saint Laurent-1 Reactor
NT1 Saint Laurent-2 Reactor
NT1 Vandellos Reactor
RT BNL Reactor
RT Carbon Dioxide Cooled Reactors
RT Power Reactors

GCRE REACTOR [01]
DA December 1, 1974
UF *Gas Cooled Reactor Experiment*
BT1 Experimental Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Helium Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors

GDL FACILITY [01]
DA February 3, 1986
UF *Glass Development Laser Facility*
RT Laser Fusion Reactors
RT Omega Facility
DEF Nd:glass laser facility at University of Rochester to be used for laser fusion.

Ge(Li) Detectors
DA December 1, 1974
USE Li-Drifted Ge Detectors

GE 2541
DA November 25, 1980
BT1 Aluminium Alloys
BT2 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Iron Base Alloys
BT2 Iron Alloys
BT3 Alloys
BT1 Yttrium Alloys
BT2 Alloys

GE COMPUTERS [01]
DA December 1, 1974
BT1 Computers

GE PROCESS
DA July 27, 1982
BT1 Desulfurization
BT2 Chemical Reactions
RT Coal Preparation
DEF In the process pyritic and organic sulfur is removed from coal by leaching with caustic solution, producing sulfides and polysulfides. The leaching is performed in two stages under microwave irradiation lasting 30 seconds or less per stage.

GE SEMICONDUCTOR DETECTORS [01]
DA December 1, 1974
UF *Germanium Detectors*
BT1 Semiconductor Detectors
BT2 Radiation Detectors
BT3 Measuring Instruments
NT1 High-Purity GE Detectors
NT1 Li-Drifted Ge Detectors

GE STANDARD REACTOR [01]
(Prior to 1975, BWR/6 Type Reactors was used.)
DA January 23, 1975
UF *BWR/6 Type Reactors*
UF *General Electric Standard Reactor*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
RT Black Fox-1 Reactor
RT Black Fox-2 Reactor
RT Hartsville-1 Reactor
RT Hartsville-2 Reactor
RT Hartsville-3 Reactor
RT Hartsville-4 Reactor
RT Phipps Bend-1 Reactor
RT Phipps Bend-2 Reactor
RT Skagit-1 Reactor
RT Skagit-2 Reactor

GEARS [01]
DA September 28, 1976
BT1 Machine Parts
RT Lubricants
RT Mechanical Efficiency
RT Mechanical Transmissions
RT Rolling Friction
RT Wear
RT Wheels

GEESE [01]
DA May 2, 1979
BT1 Fowl
BT2 Birds
BT3 Vertebrates
BT4 Animals

Geesthacht-1 Research Reactor
DA December 1, 1974
USE FRG-1 Reactor

Geesthacht-2 Research Reactor
DA December 1, 1974
USE FRG-2 Reactor

GEGAS PROCESS
DA February 19, 1976
BT1 Coal Gasification
BT2 Gasification

BT3 Thermochemical Processes
RT Low BTU Gas
DEF An integrated coal gasification–gas-cleaning process optimized for the production of clean low Btu gas.

Gegenschein
DA December 1, 1974
USE Zodiacal Light

GEIGER-MUELLER COUNTERS [01]
DA December 1, 1974
BT1 Radiation Detectors
BT2 Measuring Instruments
RT Avalanche Quenching
RT Flow Counters

GEIGER-NUTTALL LAW [01]
DA September 5, 1986
RT Alpha Decay
RT Alpha Particles
RT Half-Life
RT Mean Free Path

GEISSLER TUBES [01]
DA December 1, 1974
BT1 Gas Discharge Tubes
BT2 Electron Tubes

GEKKO FACILITY [01]
(Nd glass laser facility at Osaka University for laser fusion experiments.)
DA October 11, 1985
RT Laser Fusion Reactors
RT Neodymium Lasers

GEL PERMEATION CHROMATOGRAPHY [01]
DA May 21, 1983
BT1 Chromatography
BT2 Separation Processes

GELATIN [01]
DA December 1, 1974
BT1 Colloids
BT2 Dispersions
BT1 Proteins
BT2 Organic Compounds

GELATION [01]
DA December 1, 1974
RT Colloids
RT Sol-Gel Process

GELL-MANN THEORY [01]
DA December 1, 1974
RT Quantum Numbers
RT Strangeness

GELS [01]
DA December 1, 1974
BT1 Colloids
BT2 Dispersions
NT1 Hydrophylic Polymers
RT Plugging Agents
RT Thixotropy

Gemeinschaftskernkraftwerk Neckar
DA December 1, 1974
USE Neckar-1 Reactor

GENE AMPLIFICATION [01]
DA January 24, 1986
RT Genetic Engineering
RT Recombinant DNA
DEF An increase in the number of copies of a gene in the genome so that a protein product is produced at elevated levels.

Gene Loci
DA December 1, 1974
USE Genes

GENE MUTATIONS [01]
DA December 1, 1974
UF *Point Mutations*
BT1 Mutations
RT Gene Recombination
RT Genes

GENE OPERONS [01]
DA June 29, 1984
RT Chromosomes
RT Gene Regulation
RT Genes
DEF Small segments of chromosomes which govern transcription of the DNA by controlling access to the gene.

Gene Promotors
DA June 29, 1984
USE Gene Repressors

GENE RECOMBINATION [01]
DA December 1, 1974
UF *Recombination (Genetic)*
RT Crossing-Over
RT DNA Mismatch
RT Gene Mutations
RT Gene Recombination Proteins
RT Genes
RT Genetic Variability
RT Recombinant DNA

GENE RECOMBINATION PROTEINS
DA July 22, 1987
RT Crossing-Over
RT DNA Repair
RT Endonucleases
RT Gene Recombination
RT Nucleoproteins
DEF A group of enzymes which mediate gene recombination and crossing-over during meiosis but also are involved in repair of DNA.

GENE REGULATION [01]
DA November 19, 1985
NT1 Enzyme Induction
RT Biosynthesis
RT Chromosomes
RT Gene Operons
RT Gene Repressors
RT Transcription Factors
DEF The complex series of biochemical events serving to control the expression of a gene or gene family.

GENE REPRESSORS
DA June 29, 1984
UF *Gene Promotors*
RT Enzyme Induction
RT Gene Regulation
RT Nucleoproteins
RT Transcription
RT Transcription Factors
DEF A class of proteins which block the transcription of one or more genes by binding to a control segment of the chromosome. Since the gene product encoded cannot be synthesized the property confered by the gene is not expressed.

General Accounting Office
DA February 23, 1979
USE US GAO

GENERAL ATOMIC FUEL FABRICATION FACILITY [01]
DA December 1, 1974
BT1 Fuel Fabrication Plants
BT2 Nuclear Facilities

General Atomic Standard Reactor
DA May 5, 1975
USE GA Standard Reactor

GENERAL CIRCULATION MODELS [01]
DA June 12, 1986
BT1 Mathematical Models
RT Atmospheric Circulation
RT Climate Models
RT Meteorology
RT Oceanic Circulation
RT Three-Dimensional Calculations

General Electric Nuclear Test Reactor
DA December 1, 1974
USE NTR Reactor

General Electric Standard Reactor
DA February 13, 1975
USE GE Standard Reactor

General Electric Test Reactor
DA December 1, 1974
USE GETR Reactor

General Quantum Field Theory
DA March 8, 1978
USE Axiomatic Field Theory

GENERAL RELATIVITY THEORY [01]
DA December 1, 1974
UF *Einstein Gravitation Theory*
BT1 Field Theories
NT1 Relativity Theory
RT Cosmological Constant
RT Cosmological Models
RT Einstein Effect
RT Einstein Field Equations
RT Einstein-Maxwell Equations
RT Energy-Momentum Tensor
RT Equivalence Principle
RT Field Equations
RT Gravitation
RT Gravitational Fields
RT Gravitational Lenses
RT Gravitational Radiation
RT Kaluza-Klein Theory
RT Mach Principle
RT Quantum Gravity
RT Regge Calculus
RT Schwarzschild Metric

Generating Capacity
DA June 2, 1977
USE Capacity

GENERATOR-COORDINATE METHOD [01]
DA December 1, 1974
BT1 Calculation Methods
RT Boson Expansion
RT Nuclear Structure
RT Pairing Interactions
RT Quantum Mechanics

Generators (Aerosol)
DA December 1, 1974
USE Aerosol Generators

Generators (Electric)
DA December 1, 1974
USE Electric Generators

Generators (Pulse)
DA December 1, 1974
USE Pulse Generators

Generators (Radioisotope)
DA December 1, 1974
USE Radioisotope Generators

Generators (Steam)
DA December 1, 1974
USE Steam Generators

Generators (Vapor)
DA December 1, 1974
USE Vapor Generators

GENES [01]
DA December 1, 1974
UF *Cistrons*
UF *Gene Loci*
NT1 Lethal Genes
NT1 Oncogenes
NT1 Replicons
RT Chromosomes
RT Codons
RT Gene Mutations
RT Gene Operons
RT Gene Recombination
RT Genetic Effects
RT Genetic Mapping
RT Genotype
RT Plasmids

RT RFLPS
RT Transcription
RT Transposons

Genesis
DA July 23, 1980
USE Origin

GENETIC CONTROL [01]
DA June 16, 1975
BT1 Pest Control
BT2 Control
RT Chromosomal Aberrations
RT Insects
RT Mutagenesis
RT Mutations
RT Sterility

GENETIC EFFECTS [01]
DA December 1, 1974
BT1 Biological Effects
NT1 Genetic Radiation Effects
RT Chromosomes
RT Congenital Malformations
RT Genes
RT Genetics
RT Gonads
RT Mosaicism
RT Mutations
RT Radiation Equivalence
RT Sister Chromatid Exchanges

GENETIC ENGINEERING [01]
DA July 18, 1981
BT1 Biotechnology
RT Cell Differentiation
RT Gene Amplification
RT Hybridization
RT Protein Engineering
RT Transposons

GENETIC MAPPING [01]
DA August 24, 1976
BT1 Mapping
RT Banding Techniques
RT Chromosomes
RT DNA Hybridization
RT Genes
RT RFLPS
DEF Graphically representing the linear arrangement of genes on a chromosome.

GENETIC RADIATION EFFECTS [01]
DA December 1, 1974
BT1 Biological Radiation Effects
BT2 Biological Effects
BT2 Radiation Effects
BT1 Genetic Effects
BT2 Biological Effects
RT Chromosome Losses
RT Delayed Radiation Effects
RT Genetically Significant Dose
RT Sister Chromatid Exchanges

GENETIC VARIABILITY [01]
DA December 1, 1974
UF *Variability (Genetic)*
BT1 Biological Variability
RT Gene Recombination
RT RFLPS
RT Transposons

GENETICALLY SIGNIFICANT DOSE [01]
DA April 4, 1975
UF *GSD*
BT1 Radiation Doses
BT2 Doses
RT Dose-Response Relationships
RT Genetic Radiation Effects
RT Radiation Hazards

GENETICS [01]
DA December 1, 1974
UF *Heredity*
BT1 Biology
RT Animal Breeding
RT Cytology
RT Genetic Effects
RT Hereditary Diseases
RT Hybridization
RT Nucleic Acids
RT Plasmids

Genitals (Female)
DA December 1, 1974
USE Female Genitals

Genitals (Male)
DA December 1, 1974
USE Male Genitals

GENKAI-1 REACTOR [01]
(Genkai, Saga, Japan)
DA December 1, 1974
UF *Kyushu-1 Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

GENKAI-2 REACTOR [01]
(Genkai, Saga, Japan)
DA August 7, 1978
UF *Kyushu-2 Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

GENKAI-3 REACTOR [01]
DA July 18, 1985
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

GENKAI-4 REACTOR [01]
DA July 18, 1985
UF *Kyushu-4 Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

GENOME MUTATIONS [01]
DA December 1, 1974
BT1 Mutations
RT Aneuploidy
RT Karyotype
RT Non-Disjunction
RT Ploidy
RT Polyploidy

GENOTYPE [01]
DA December 1, 1974
RT Genes
RT Mutagenesis
RT Ontogenesis
RT Phenotype

GENTILLY-2 REACTOR [01]
(Nicolet, Quebec, Canada)
DA May 5, 1975
BT1 Candu Type Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT2 Pressure Tube Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 PHWR Type Reactors
BT2 Heavy Water Cooled Reactors
BT3 Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors

GENTILLY REACTOR [01]
(Nicolet, Quebec, Canada)
DA December 1, 1974
BT1 HWLWR Type Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 Power Reactors
BT2 Reactors

GEOBAROMETRY
DA December 22, 1977
RT Minerals
RT Pressure Measurement
RT Rocks
DEF Any method for the direct or indirect determination of the pressure conditions under which a rock or mineral formed.

GEOBOTANY [01]
DA December 1, 1974
BT1 Botany
BT2 Biology
RT Biogeochemistry
RT Biological Evolution

GEOCHEMICAL SURVEYS [01]
DA December 1, 1974
BT1 Surveys
RT Exploration
RT Geochemistry
RT Geology
RT Geothermal Exploration
RT Ground Truth
RT Marine Surveys
RT Prospecting
RT Seeps

GEOCHEMISTRY [01]
DA December 1, 1974
BT1 Chemistry
NT1 Biogeochemistry
RT Acid Neutralizing Capacity
RT Coalification
RT Geochemical Surveys
RT Geology
RT Geothermometry
RT Natural Occurrence
RT Organic Matter
RT Site Characterization

Geochronology
DA December 1, 1974
USE Age Estimation

GEOCORONA [01]
DA December 1, 1974
RT Earth Atmosphere
RT Interplanetary Space
RT Solar Wind

GEODESICS [01]
DA June 16, 1975
RT Mathematical Space
DEF Lines along which the distance between two points reaches an extremum.

GEODESY [01]
DA December 1, 1974
RT Mathematics

GEODETIC SURVEYS
DA July 5, 1978
BT1 Geophysical Surveys
BT2 Surveys
RT Earthquakes
RT Ground Uplift
DEF A survey of a large land area used for the precise location of basic points.

GEOGRAPHICAL VARIATIONS [01]
DA October 19, 1977
BT1 Variations
NT1 Latitude Effect
RT East-West Asymmetry
RT North-South Asymmetry

GEOGRAPHY [01]
DA December 1, 1974
RT Earth Planet
RT Oceanography
RT Site Characterization

Geoisotherm
DA August 25, 1976
USE Isotherms

GEOLOGIC AGES [01]
DA October 19, 1977
NT1 Cenozoic Era
NT2 Quaternary Period
NT3 Pleistocene Epoch
NT2 Tertiary Period
NT3 Eocene Epoch
NT3 Miocene Epoch
NT3 Pliocene Epoch
NT1 Mesozoic Era
NT2 Cretaceous Period
NT2 Jurassic Period
NT2 Triassic Period
NT1 Paleozoic Era
NT2 Cambrian Period
NT2 Carboniferous Period
NT2 Devonian Period
NT2 Ordovician Period
NT2 Permian Period
NT2 Silurian Period
NT1 Precambrian Era
RT Age Estimation
RT Geologic History
RT Paleomagnetism

GEOLOGIC DEPOSITS [01]
DA December 1, 1974
UF *Deposits (Geological)*
NT1 Alluvial Deposits
NT1 Coal Deposits
NT2 Coal Seams
NT1 Concretions
NT1 Moraines
NT1 Natural Gas Deposits
NT2 Natural Gas Fields
NT3 Gas Condensate Fields
NT1 Natural Gas Hydrate Deposits
NT1 Oil Sand Deposits
NT2 Asphalt Ridge Deposit
NT2 Athabasca Deposit
NT2 Circle Cliffs Deposit
NT2 Cold Lake Deposit
NT2 Edna Deposit
NT2 Lloydminster Deposit
NT2 Peace River Deposit
NT2 PR Springs Deposit
NT2 Santa Rosa Deposit
NT2 Sunnyside Deposit
NT2 Tar Sand Triangle Deposit
NT2 Uvalde Deposit
NT2 Wabasca Deposit
NT1 Oil Shale Deposits
NT2 US Naval Oil Shale Reserves
NT1 Petroleum Deposits
NT2 Gas Condensate Fields
NT2 Oil Fields
NT2 US Naval Petroleum Reserves
NT1 Placers
NT1 Salt Deposits
NT1 Thorium Deposits
NT1 Uranium Deposits
NT2 Blizzard Deposit
NT2 Erzgebirge Deposit
NT2 Jabiluka Deposit
NT2 Koongarra Deposit
NT2 Nabarlek Deposit
NT2 Ranger Deposit
NT2 Ranstad Deposit
NT2 Roxby Downs Deposit
NT2 South Alligator Deposit
NT2 Yeelirrie Deposit
RT Availability
RT Inclined Strata
RT Ores
RT Paragenesis
RT Sediments
RT Underground Storage
RT Working Faces

Geologic Engineering
DA March 8, 1977
USE Engineering Geology

GEOLOGIC FAULTS [01]
DA January 23, 1975
BT1 Geologic Fractures
BT2 Geologic Structures
RT Earthquakes
RT Geologic Fissures
RT Geology
RT Geomorphology
RT Lineaments
RT Rift Zones
DEF A surface or zone of rock fracture along which there has been displacement, from a few centimeters to a few kilometers in scale.

GEOLOGIC FISSURES [01]
DA March 27, 1975
UF *Geologic Joints*
BT1 Geologic Structures
RT Caves
RT Cracks
RT Fractured Reservoirs
RT Fractures
RT Geologic Faults
RT Geologic Fractures
RT Geology

GEOLOGIC FORMATIONS [01]
DA July 5, 1978
NT1 Chattanooga Formation
NT1 Green River Formation
NT2 Mahogany Zone
NT2 Uinta Formation
NT1 Wasatch Formation
RT Dikes
RT Formation Damage
RT Geologic Structures

GEOLOGIC FRACTURES [01]
DA August 6, 1984
BT1 Geologic Structures
NT1 Geologic Faults
RT Cracks
RT Fractures
RT Geologic Fissures
RT Lineaments
DEF Any break in a rock, whether or not there is displacement, due to mechanical failure by stress.

GEOLOGIC HISTORY [01]
DA August 7, 1978
RT Eocene Epoch
RT Geologic Ages
RT Geologic Models
RT Geology
RT Miocene Epoch
RT Pleistocene Epoch
RT Pliocene Epoch

Geologic Joints
DA August 6, 1984
USE Geologic Fissures

GEOLOGIC MODELS [01]
DA February 14, 1978
RT Geologic History
RT Geologic Structures

Geologic Provinces
DA August 4, 1981
SEE Snake River Plain

GEOLOGIC STRATA [01]
DA January 23, 1975
BT1 Geologic Structures
NT1 Inclined Strata
RT Basement Rock
RT Chattanooga Formation
RT Coal Seams
RT Rocks
RT Strata Movement
RT Stratification

GEOLOGIC STRUCTURES [01]
DA May 5, 1975
NT1 Anticlines
NT1 Dikes
NT1 Geologic Fissures
NT1 Geologic Fractures
NT2 Geologic Faults
NT1 Geologic Strata
NT2 Inclined Strata
NT1 Lineaments
NT1 Reefs
NT1 Rift Zones
NT1 Sedimentary Basins
NT2 Appalachian Basin
NT3 Chattanooga Formation
RT Geologic Formations
RT Geologic Models
RT Geology
RT Mid-Atlantic Ridge
RT Seismology
RT Stratigraphy

GEOLOGIC SURVEYS [01]
DA January 31, 1977
UF *Geological Surveys*
BT1 Surveys
RT Exploration
RT Geothermal Exploration
RT GOES Satellites

Geologic Thermometry
DA March 31, 1976
USE Geothermometry

GEOLOGIC TRAPS
DA January 23, 1978
RT Natural Gas Deposits
RT Petroleum Deposits
DEF A configuration of rocks able to confine fluids that float on other fluids.

Geological Surveys
DA January 23, 1975
USE Geologic Surveys

GEOLOGY [01]
DA December 1, 1974
NT1 Engineering Geology
NT1 Geomorphology
NT1 Petrography
NT1 Petroleum Geology
NT1 Petrology
NT2 Lithology
NT2 Petrogenesis
NT1 Stratigraphy
RT Earth Crust
RT Earth Planet
RT Geochemical Surveys
RT Geochemistry
RT Geologic Faults
RT Geologic Fissures
RT Geologic History
RT Geologic Structures
RT Geophysics
RT Geothermal Energy
RT Metamorphism
RT Mohole Project
RT Site Characterization
RT Volcanoes

GEOMAGNETIC CONJUGACY [01]
DA December 1, 1974
UF *Conjugate Points*
RT Geomagnetic Field

GEOMAGNETIC COORDINATES [01]
DA December 1, 1974
BT1 Coordinates
RT Geomagnetic Field

Geomagnetic Cut-Off Rigidity
DA December 1, 1974
USE Threshold Rigidity

GEOMAGNETIC EQUATOR [01]
DA December 1, 1974
RT Equator
RT Geomagnetic Field

GEOMAGNETIC FIELD [01]
DA December 1, 1974
BT1 Magnetic Fields
RT Earth Magnetosphere
RT Geomagnetic Conjugacy
RT Geomagnetic Coordinates
RT Geomagnetic Equator
RT Geophysics
RT Inclination
RT International Magnetospheric Study
RT Magnetosheath
RT Magnetotail
RT Paleomagnetism
RT Threshold Rigidity

Geomagnetic Storms
DA December 1, 1974
USE Magnetic Storms

GEOMETRIC BUCKLING [01]
(Not for structural buckling.)
DA December 1, 1974
BT1 Buckling

Geometric Sensitivity
DA August 7, 1979
USE Space Dependence

GEOMETRICAL ABERRATIONS [01]
DA December 1, 1974
UF *Cylindrical Aberrations*
UF *Spherical Aberrations*
RT Beam Optics
RT Optical Properties

GEOMETRY [01]
DA December 1, 1974
BT1 Mathematics
NT1 Differential Geometry
NT1 Lobachevsky Geometry
RT Configuration
RT Cusped Geometries
RT Invariant Imbedding
RT Mapping
RT Prisms
RT Spheres
RT Spheroids

GEOMORPHOLOGY [01]
DA January 27, 1975
UF *Landforms*
BT1 Geology
RT Dunes
RT Geologic Faults
RT Geophysics
RT Regional Analysis
RT Sea Bed
RT Site Characterization
RT Stratigraphy
DEF A science that deals with the land and submarine relief features of the earth's surface and seeks a genetic interpretatin of them through using the principles of physiography in its descriptive aspects and of dynamic and structural geology in its explanatory phases.

Geophones
DA September 15, 1976
USE Seismic Detectors

GEOPHYSICAL SURVEYS [01]
DA January 23, 1975
BT1 Surveys
NT1 Electrical Surveys
NT2 Electromagnetic Surveys
NT3 Magnetotelluric Surveys
NT2 Resistivity Surveys
NT2 Self-Potential Surveys
NT2 Telluric Surveys
NT1 Geodetic Surveys
NT1 Gravity Surveys
NT1 Infrared Surveys
NT1 Magnetic Surveys
NT1 Radiometric Surveys
NT1 Seismic Surveys
NT1 Temperature Surveys
RT Aerial Monitoring
RT Coal Deposits
RT Exploration
RT Geothermal Exploration
RT Ground Truth
RT Marine Surveys
RT Natural Gas Deposits
RT Oil Shale Deposits
RT Petroleum Deposits
RT Prospecting
RT Remote Sensing
RT Uranium Deposits
RT Well Logging
DEF The use of one or more geophysical techniques in geophysical exploration, such as electrical, infrared, heat flow, magnetic, radioactivity, and seismic techniques.

GEOPHYSICS [01]
DA December 1, 1974
RT Bathymetry
RT Earth Planet
RT Geology
RT Geomagnetic Field
RT Geomorphology
RT International Geophysical Year
RT Physics

GEOPRESSURE ANOMALIES
DA January 30, 1979
RT Geopressured Systems

GEOPRESSURED SYSTEMS [01]
DA January 23, 1975
BT1 Energy Systems
RT Geopressure Anomalies
RT Geothermal Systems
RT Natural Gas Deposits
RT Reservoir Pressure
DEF Underground water or natural gas reservoirs where the pressure exceeds normal hydrostatic pressure.

GEORGES BANK [01]
DA December 11, 1978
RT Atlantic Ocean
RT Mid-Atlantic Bight
DEF Elevation off the coast of Cape Cod.

GEORGIA [01]
DA December 1, 1974
BT1 USA
BT2 Developed Countries
BT2 North America
NT1 Atlanta
RT Altamaha River
RT Chattahoochee River
RT Chattanooga Formation
RT Savannah River
RT US East Coast

Georgia (Republic of)
DA April 8, 1993
USE Republic of Georgia

Georgia Tech. Research Reactor
DA December 1, 1974
USE GTRR Reactor

GEOS SATELLITES [01]
DA December 1, 1974
BT1 Satellites

Geostationary Operational Environmental Satellite
DA April 14, 1980
USE GOES Satellites

Geostatistics
DA July 7, 1993
SEE Kriging

GEOTHERMAL AIR CONDITIONING
DA January 30, 1979
BT1 Air Conditioning
RT Geothermal Refrigeration

Geothermal Areas
DA February 13, 1975
USE Geothermal Fields

GEOTHERMAL DISTRICT HEATING [01]
DA August 24, 1977
BT1 District Heating
BT2 Heating
BT1 Geothermal Heating
BT2 Heating
RT Geothermal Space Heating

GEOTHERMAL ENERGY [01]
DA December 1, 1974
BT1 Energy
BT1 Renewable Energy Sources
BT2 Energy Sources
RT Earth Crust
RT Geology
RT Geothermal Fields
RT Geothermal Heating
RT Geothermal Industry
RT Geothermal Power Plants
RT Volcanoes

GEOTHERMAL ENERGY CONVERSION [01]
DA January 23, 1975
BT1 Energy Conversion
BT2 Conversion
RT Binary-Fluid Systems
RT Flashed Steam Systems
RT Total Flow Systems

GEOTHERMAL EXPLORATION [01]
(Exploration for sources of geothermal energy.)
DA January 23, 1975
BT1 Exploration
RT Electrical Surveys
RT Electromagnetic Surveys
RT Exploratory Wells
RT Geochemical Surveys
RT Geologic Surveys
RT Geophysical Surveys
RT Gravity Surveys
RT Infrared Surveys
RT Magnetic Surveys
RT Seismic Surveys
RT Telluric Surveys
RT Temperature Surveys
RT Well Logging Equipment

GEOTHERMAL FIELDS [01]
DA January 23, 1975
UF *Geothermal Areas*
UF *Geothermal Regions*
NT1 Ahuachapan Geothermal Field
NT1 Baca Geothermal Field
NT1 Beppu Geothermal Field
NT1 Brawley Geothermal Field
NT1 Broadlands Geothermal Field
NT1 Cerro Prieto Geothermal Field
NT1 Dieng Geothermal Field
NT1 East Mesa Geothermal Field
NT1 El Tatio Geothermal Field
NT1 Geysers Geothermal Field
NT1 Hatchobaru Geothermal Field
NT1 Heber Geothermal Field
NT1 Kakkonda Geothermal Field
NT1 Kamojang Geothermal Field
NT1 Kawerau Geothermal Field
NT1 Kizildere Geothermal Field
NT1 Krafla Geothermal Field
NT1 Larderello Geothermal Field
NT1 Matsukawa Geothermal Field
NT1 Momotombo Geothermal Field
NT1 Monte Amiata Geothermal Field
NT1 Namafjall Geothermal Field
NT1 Onikobe Geothermal Field
NT1 Onuma Geothermal Field
NT1 Otake Geothermal Field
NT1 Palimpinon Geothermal Field

NT1 Paratunka Geothermal Field
NT1 Pathe Geothermal Field
NT1 Pauzhetsk Geothermal Field
NT1 Salton Sea Geothermal Field
NT1 Takenoyu Geothermal Field
NT1 Takinoue Geothermal Field
NT1 Tiwi Geothermal Field
NT1 Tongonan Geothermal Field
NT1 Travale Geothermal Field
NT1 Urach Geothermal Field
NT1 Waiotapu Geothermal Field
NT1 Wairakei Geothermal Field
RT Geothermal Energy
RT Geothermal Systems
RT Imperial Valley
RT KGRA
RT Klamath Falls
RT Roosevelt Hot Springs
RT Salton Sea
RT Thermal Springs
RT Well Spacing
RT Wendell-Amedee Hot Springs

GEOTHERMAL FLUIDS [01]
DA January 23, 1975
BT1 Fluids
NT1 Fumarolic Fluids
NT1 Natural Steam
RT Brines
RT Fluid Withdrawal
RT Hydrothermal Systems
RT Thermal Waters
DEF Naturally occurring steam or hot water found in the earth's volcanic and young orogenic zones.

GEOTHERMAL GRADIENTS [01]
DA January 23, 1975
BT1 Temperature Gradients
RT Heat Flow
DEF The rate of increase of temperature in the earth with depth

GEOTHERMAL HEATING
DA November 11, 1975
BT1 Heating
NT1 Geothermal District Heating
NT1 Geothermal Space Heating
NT1 Geothermal Water Heating
RT Geothermal Energy
RT Geothermal Heating Systems
RT Geothermal Process Heat

GEOTHERMAL HEATING SYSTEMS
DA April 19, 1976
BT1 Heating Systems
BT2 Energy Systems
RT District Heating
RT Geothermal Heating

GEOTHERMAL HOT-WATER SYSTEMS [01]
(Prior to August 1992, this subject was indexed to HOT-WATER SYSTEMS.)
DA August 12, 1992
UF *Hot-Water Systems*
SF *Liquid-Dominated Hydrothermal Convective Systems*
BT1 Hydrothermal Systems
BT2 Energy Systems
BT2 Geothermal Systems
RT Baca Geothermal Field
RT Broadlands Geothermal Field
RT Cerro Prieto Geothermal Field
RT Kawerau Geothermal Field
RT Otake Geothermal Field
RT Pathe Geothermal Field
RT Pauzhetsk Geothermal Field
RT Wairakei Geothermal Field
DEF Hydrothermal convective systems characterized by liquid water as the continuous, pressure-controlling fluid phase.

GEOTHERMAL INDUSTRY [01]
DA December 22, 1977
BT1 Industry
RT Geothermal Energy

GEOTHERMAL POWER PLANTS [01]
DA December 1, 1974
BT1 Thermal Power Plants
BT2 Power Plants
RT Binary-Fluid Systems
RT Flashed Steam Systems
RT Geothermal Energy
RT Total Flow Systems

GEOTHERMAL PROCESS HEAT
DA February 15, 1978
BT1 Process Heat
BT2 Heat
BT3 Energy
RT Geothermal Heating

GEOTHERMAL REFRIGERATION
DA November 26, 1975
BT1 Refrigeration
BT2 Cooling
RT Geothermal Air Conditioning

Geothermal Regions
DA February 13, 1975
USE Geothermal Fields

GEOTHERMAL RESOURCES [01]
DA January 23, 1975
BT1 Resources
RT Geothermal Systems

GEOTHERMAL SPACE HEATING
DA October 28, 1975
BT1 Geothermal Heating
BT2 Heating
BT1 Space Heating
BT2 Heating
RT Geothermal District Heating

Geothermal Springs
DA August 12, 1980
SEE Geysers
OR Hot Springs
OR Thermal Springs
OR Warm Springs

Geothermal Steam
DA January 29, 1975
USE Natural Steam

GEOTHERMAL SYSTEMS [01]
DA February 27, 1975
NT1 Hot-Dry-Rock Systems
NT1 Hydrothermal Systems
NT2 Geothermal Hot-Water Systems
NT2 Vapor-Dominated Systems
NT1 Magma Systems
RT Geopressured Systems
RT Geothermal Fields
RT Geothermal Resources
DEF Localized regions in which geothermal heat is carried close enough to the earth's surface by steam or hot water to be harnessed for use.

GEOTHERMAL WATER HEATING
(Use for domestic water heating; for industrial application use GEOTHERMAL PROCESS HEAT.)
DA March 4, 1980
BT1 Geothermal Heating
BT2 Heating
BT1 Water Heating
BT2 Heating

GEOTHERMAL WELLS [01]
DA January 23, 1975
BT1 Wells
RT Directional Drilling
RT Exploratory Wells
RT Injection Wells
RT Well Drilling
RT Well Pressure
RT Wellheads

GEOTHERMOMETERS
DA February 20, 1975
BT1 Thermometers
BT2 Measuring Instruments
RT Geothermometry
RT Temperature Measurement
DEF A mineral or mineral assemblage whose composition, structure, or inclusions are fixed within known thermal limits under particular conditions of pressure and composition and whose presence thus denotes a limit or a range for the temperature of formation of the enclosing rock.

GEOTHERMOMETRY
DA April 7, 1975
UF *Geologic Thermometry*
RT Geochemistry
RT Geothermometers
DEF Measurement or estimation, by direct or indirect methods, of the maximum, minimum, or actual temperatures at which geological processes occur or have occurred in the past.

GERANIOL [01]
DA December 1, 1974
BT1 Alcohols
BT2 Hydroxy Compounds
BT3 Organic Compounds
BT1 Terpenes
BT2 Organic Compounds

GERBILS [01]
DA December 1, 1974
BT1 Rodents
BT2 Mammals
BT3 Vertebrates
BT4 Animals

GERJUOY-STEIN THEORY [01]
DA December 1, 1974
RT Excitation Functions

GERM CELLS [01]
DA December 1, 1974
NT1 Gametes
NT2 Ova
NT2 Pollen
NT2 Spermatogonia
NT2 Spermatozoa
NT1 Oocytes
NT1 Oogonia
NT1 Spermatocytes
RT Gametogenesis
RT Gonads

GERM-FREE ANIMALS [01]
DA December 1, 1974
UF *Gnothobionts*
BT1 Animals
RT Antibody Formation
RT Bacteria

German Democratic Republic
(Prior to May 1991, this was a valid descriptor.)
DA December 1, 1974
USE Federal Republic of Germany

German DR Organizations
(Prior to May 1991, this was a valid descriptor.)
DA April 13, 1977
USE German FR Organizations

German Federal Republic
DA December 1, 1974
USE Federal Republic of Germany

GERMAN FR ORGANIZATIONS [01]
DA December 1, 1974
UF *German DR Organizations*
BT1 National Organizations
NT1 Bundesamt Fuer Strahlenschutz
NT1 Ges Fuer Reaktorsicherheit
NT1 IPP Garching
NT1 Kernforschungsanlage Juelich
NT1 Kernforschungszentrum Karlsruhe
NT1 Reaktorsicherheitskommission
NT1 Strahlenschutzkommission
NT1 WAK
NT1 ZFI Leipzig

NT1 ZFK Rossendorf
RT Federal Republic of Germany

German Measles
DA May 6, 1980
USE Measles

GERMAN SILVER [01]
DA December 1, 1974
UF *Nickel Silver*
UF *White Copper*
BT1 Copper Base Alloys
BT2 Copper Alloys
BT3 Alloys
BT1 Nickel Alloys
BT2 Alloys
BT1 Zinc Alloys
BT2 Alloys

German TRIGA-Mark-II Reactor
DA December 1, 1974
USE TRIGA-2-Mainz Reactor

GERMANATES [01]
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
DA December 1, 1974
BT1 Germanium Compounds
BT1 Oxygen Compounds
NT1 Bismuth Germanates
RT Germanium Oxides

Germanes
(Prior to December 1984 this was a valid descriptor.)
DA February 6, 1975
USE Germanium Hydrides

GERMANIDES [01]
DA August 1, 1989
BT1 Germanium Compounds

GERMANIUM [01]
DA December 1, 1974
BT1 Metals
BT2 Elements

GERMANIUM 61 [01]
DA August 24, 1977
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Germanium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

GERMANIUM 64 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Germanium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

GERMANIUM 65 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Germanium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

GERMANIUM 66 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Germanium Isotopes
BT2 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei

GERMANIUM 67 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Germanium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

GERMANIUM 68 [01]
DA December 1, 1974
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Germanium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
RT Radioisotope Generators

GERMANIUM 69 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Germanium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei

GERMANIUM 70 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Germanium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

→**GERMANIUM 70 REACTIONS [01]**
DA August 12, 1992
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

GERMANIUM 70 TARGET [01]
DA July 9, 1976
BT1 Targets

GERMANIUM 71 [01]
DA December 1, 1974
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Germanium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

GERMANIUM 71 TARGET [01]
DA July 9, 1976
BT1 Targets

GERMANIUM 72 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Germanium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

GERMANIUM 72 TARGET [01]
DA July 9, 1976
BT1 Targets

GERMANIUM 73 [01]
DA December 1, 1974
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Germanium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

GERMANIUM 73 TARGET [01]
DA July 9, 1976
BT1 Targets

GERMANIUM 74 [01]
DA December 1, 1974

BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Germanium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
RT Germanium 74 Beams
RT Germanium 74 Reactions

GERMANIUM 74 BEAMS [01]
DA December 1, 1974
BT1 Ion Beams
BT2 Beams
RT Germanium 74

GERMANIUM 74 REACTIONS [01]
DA January 20, 1975
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions
RT Germanium 74

GERMANIUM 74 TARGET [01]
DA July 9, 1976
BT1 Targets

GERMANIUM 75 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Germanium Isotopes
BT2 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

GERMANIUM 75 TARGET [01]
DA July 9, 1976
BT1 Targets

GERMANIUM 76 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Germanium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
RT Germanium 76 Beams

GERMANIUM 76 BEAMS [01]
DA December 1, 1974
BT1 Ion Beams
BT2 Beams
RT Germanium 76

GERMANIUM 76 REACTIONS [01]
DA April 19, 1976
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

GERMANIUM 76 TARGET [01]
DA July 9, 1976
BT1 Targets

GERMANIUM 77 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Germanium Isotopes
BT2 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

GERMANIUM 78 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Germanium Isotopes
BT2 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei

GERMANIUM 79 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Germanium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

GERMANIUM 80 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Germanium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

GERMANIUM 81 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Germanium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

GERMANIUM 82 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Germanium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

GERMANIUM 83 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Germanium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

GERMANIUM 84 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Germanium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

→**GERMANIUM 85 [01]**
DA May 17, 1991
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Germanium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

GERMANIUM 86 TARGET [01]
DA August 12, 1980
BT1 Targets

GERMANIUM ADDITIONS [01]
DA December 1, 1974
BT1 Germanium Alloys
BT2 Alloys

GERMANIUM ALLOYS [01]
DA December 1, 1974
BT1 Alloys
NT1 Germanium Additions
NT1 Germanium Base Alloys

GERMANIUM ARSENIDES [01]
DA November 11, 1975
BT1 Arsenides
BT2 Arsenic Compounds
BT2 Pnictides
BT1 Germanium Compounds

GERMANIUM BASE ALLOYS [01]
DA December 1, 1974
BT1 Germanium Alloys
BT2 Alloys

GERMANIUM BORIDES [01]
DA October 23, 1978
BT1 Borides

BT2 Boron Compounds
BT1 Germanium Compounds

GERMANIUM BROMIDES [01]
DA December 1, 1974
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Germanium Compounds

GERMANIUM CARBIDES [01]
DA July 23, 1977
BT1 Carbides
BT2 Carbon Compounds
BT1 Germanium Compounds

GERMANIUM CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Germanium Compounds

GERMANIUM COMPLEXES [01]
DA December 1, 1974
BT1 Complexes

GERMANIUM COMPOUNDS [01]
DA December 1, 1974
NT1 Germanates
NT2 Bismuth Germanates
NT1 Germanides
NT1 Germanium Arsenides
NT1 Germanium Borides
NT1 Germanium Bromides
NT1 Germanium Carbides
NT1 Germanium Chlorides
NT1 Germanium Fluorides
NT1 Germanium Hydrides
NT1 Germanium Hydroxides
NT1 Germanium Iodides
NT1 Germanium Nitrides
NT1 Germanium Oxides
NT1 Germanium Phosphates
NT1 Germanium Phosphides
NT1 Germanium Selenides
NT1 Germanium Silicates
NT1 Germanium Silicides
NT1 Germanium Sulfides
NT1 Germanium Tellurides

Germanium Detectors
DA December 28, 1978
USE Ge Semiconductor Detectors

GERMANIUM DIODES [01]
DA December 1, 1974
BT1 Semiconductor Diodes
BT2 Semiconductor Devices

GERMANIUM FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Germanium Compounds

GERMANIUM HYDRIDES [01]
DA December 1, 1974
UF *Germanes*
BT1 Germanium Compounds
BT1 Hydrides
BT2 Hydrogen Compounds

GERMANIUM HYDROXIDES [01]
DA April 6, 1978
BT1 Germanium Compounds
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds

GERMANIUM IODIDES [01]
DA December 1, 1974
BT1 Germanium Compounds
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds

GERMANIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

GERMANIUM ISOTOPES [01]
DA December 1, 1974
BT1 Isotopes
NT1 Germanium 61
NT1 Germanium 64
NT1 Germanium 65
NT1 Germanium 66
NT1 Germanium 67
NT1 Germanium 68
NT1 Germanium 69
NT1 Germanium 70
NT1 Germanium 71
NT1 Germanium 72
NT1 Germanium 73
NT1 Germanium 74
NT1 Germanium 75
NT1 Germanium 76
NT1 Germanium 77
NT1 Germanium 78
NT1 Germanium 79
NT1 Germanium 80
NT1 Germanium 81
NT1 Germanium 82
NT1 Germanium 83
NT1 Germanium 84
NT1 Germanium 85

GERMANIUM NITRIDES [01]
DA May 25, 1979
BT1 Germanium Compounds
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides

GERMANIUM OXIDES [01]
DA December 1, 1974
BT1 Germanium Compounds
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds
RT Germanates

GERMANIUM PHOSPHATES [01]
DA October 23, 1978
BT1 Germanium Compounds
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds

GERMANIUM PHOSPHIDES [01]
DA November 28, 1975
BT1 Germanium Compounds
BT1 Phosphides
BT2 Phosphorus Compounds
BT2 Pnictides

GERMANIUM SELENIDES [01]
DA January 20, 1975
BT1 Germanium Compounds
BT1 Selenides
BT2 Chalcogenides
BT2 Selenium Compounds

GERMANIUM SILICATES [01]
DA December 1, 1974
BT1 Germanium Compounds
BT1 Silicates
BT2 Oxygen Compounds
BT2 Silicon Compounds

GERMANIUM SILICIDES [01]
DA March 11, 1976
BT1 Germanium Compounds
BT1 Silicides
BT2 Silicon Compounds

GERMANIUM SULFIDES [01]
DA December 1, 1974
BT1 Germanium Compounds
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds

GERMANIUM TELLURIDES [01]
DA January 20, 1975
BT1 Germanium Compounds
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds

Germany
(For use in indexing Pre-World War II research. Prior to June 1992 this was a valid descriptor.)
DA September 28, 1976
USE Federal Republic of Germany

Germany (Democratic Republic)
DA December 1, 1974
USE Federal Republic of Germany

Germany (Federal Republic)
DA December 1, 1974
USE Federal Republic of Germany

GERMICIDES [01]
DA March 4, 1980
UF *Bactericides*
NT1 Antiseptics
NT1 Disinfectants
RT Antibiotics
RT Bacteria
RT Sterilization
DEF Agents that destroy microorganisms.

GERMINATION [01]
DA December 1, 1974
RT Coleoptile
RT Seedlings
RT Seeds

Germs (Microorganisms)
DA December 1, 1974
USE Microorganisms

Gerontine
DA December 1, 1974
USE Spermine

GES FUER REAKTORSICHERHEIT [01]
(A section of the Technical Inspection Associations of the German Federal Republic)
DA October 19, 1977
UF *GRS*
UF *Institute for Reactor Safety*
BT1 German FR Organizations
BT2 National Organizations
RT Inspection
RT Reactor Licensing
RT Reactor Safety
RT Safety Standards

GETR REACTOR [01]
DA December 1, 1974
UF *General Electric Test Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors

GETTERING [01]
DA December 1, 1974
RT Adsorption
RT Electron Tubes
RT Getters
RT High Vacuum

GETTERS [01]
(Materials used for the purification of

vacuum atmospheres; see also the specific materials.)
DA December 1, 1974
RT Electron Tubes
RT Gettering
RT High Vacuum
RT Sputter-Ion Pumps
RT Vacuum Pumps

GEV RANGE [01]
DA December 1, 1974
BT1 Energy Range
NT1 GeV Range 01-10
NT1 GeV Range 10-100
NT1 GeV Range 100-1000
RT Shower Counters

GEV RANGE 01-10 [01]
DA December 1, 1974
BT1 GeV Range
BT2 Energy Range

GEV RANGE 10-100 [01]
DA December 1, 1974
BT1 GeV Range
BT2 Energy Range

GEV RANGE 100-1000 [01]
DA December 1, 1974
BT1 GeV Range
BT2 Energy Range

GEYSERS
DA January 23, 1975
SF *Geothermal Springs*
BT1 Hot Springs
BT2 Thermal Springs
BT3 Water Springs
NT1 Old Faithful Geyser
RT Ground Water
RT Hydrothermal Systems
RT Thermal Waters
DEF Type of hot spring that intermittently erupts jets of hot water and steam.

GEYSERS GEOTHERMAL FIELD [01]
DA January 23, 1975
UF *The Geysers*
BT1 Geothermal Fields
RT California
RT Vapor-Dominated Systems

GHANA [01]
DA December 1, 1974
BT1 Africa
BT1 Developing Countries

GHZ RANGE [01]
DA December 1, 1974
BT1 Frequency Range
NT1 GHz Range 01-100
NT1 GHz Range 100-1000
RT Radioastronomy

GHZ RANGE 01-100 [01]
DA December 1, 1974
UF *Uhf (Lower Range)*
UF *Ultrahigh Frequency (Lower Range)*
UF+ *Decimeter Wave Radiation (1-3 Dm)*
UF+ *Shf Radiation*
UF+ *Super High Frequency Radiation*
UF+ *Uhf Radiation (01-100 Ghz)*
UF+ *Uhf Radiation (Upper Range)*
UF+ *Ultrahigh Frequency Radiation (01-100 Ghz)*
UF+ *Ultrahigh Frequency Radiation (Upper Range)*
BT1 GHz Range
BT2 Frequency Range

GHZ RANGE 100-1000 [01]
DA December 1, 1974
UF *Uhf (Upper Range)*
UF *Ultrahigh Frequency (Upper Range)*
BT1 GHz Range
BT2 Frequency Range

GIAMMARCO VETROCOKE SULFUR PROCESS
DA January 27, 1975
BT1 Desulfurization
BT2 Chemical Reactions
DEF Process for the continuous removal of H_2S from natural gas or synthesis gases by scrubbing sour gas with an alkali arsenate or arsenite solution.

Giant Cells
DA December 1, 1974
USE Tumor Cells

GIANT RESONANCE [01]
DA December 1, 1974
BT1 Resonance
RT Cross Sections
RT Giant Resonance Model
RT Nuclear Reactions
RT Photonuclear Reactions

GIANT RESONANCE MODEL [01]
DA December 1, 1974
UF *Goldhaber-Teller Model*
RT Cross Sections
RT Giant Resonance
RT Photonuclear Reactions
RT Resonance

GIANT STARS [01]
DA December 1, 1974
BT1 Stars
NT1 Red Giant Stars
NT1 Supergiant Stars

GIBBERELLIC ACID [01]
DA December 1, 1974
UF *Gibberellin A3*
BT1 Hydroxy Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT1 Lactones
BT2 Esters
BT3 Organic Compounds
BT2 Heterocyclic Compounds
BT3 Organic Compounds
RT Auxins

Gibberellin A3
DA December 1, 1974
USE Gibberellic Acid

Gibbs Formation Free Energy
DA May 17, 1976
USE Formation Free Enthalpy

Gibbs Free Energy
DA December 1, 1974
USE Free Enthalpy

GIBBSITE
DA January 23, 1976
BT1 Aluminium Hydroxides
BT2 Aluminium Compounds
BT2 Hydroxides
BT3 Hydrogen Compounds
BT3 Oxygen Compounds
BT1 Oxide Minerals
BT2 Minerals
DEF A white or tinted monoclinic mineral: $Al(OH)_3$.

GIBBSSAR STANDARD PLANT [01]
(Gibbs and Hill reference PWR nuclear power plant.)
DA June 24, 1977
BT1 Nuclear Power Plants
BT2 Nuclear Facilities
BT2 Thermal Power Plants
BT3 Power Plants
RT Westinghouse Standard Reactor

GIBRALTAR
DA October 24, 1981
BT1 United Kingdom
BT2 Developed Countries
BT2 Western Europe
BT3 Europe
RT Spain

GIDEP
DA November 9, 1984
UF *Government Industry Data Exchange Program*
RT Data Acquisition
RT Industry
RT Intergovernmental Cooperation
RT National Government

GIGAWATT POWER RANGE [01]
DA August 10, 1989
BT1 Power Range
NT1 Power Range 01-10 GW
NT1 Power Range 10-100 GW
NT1 Power Range 100-1000 GW

Gigily Oil
DA December 1, 1974
USE Sesame Oil

GILLS [01]
DA December 1, 1974
BT1 Respiratory System
RT Fishes

Gingelly Oil
DA December 1, 1974
USE Sesame Oil

Gingily Oil
DA December 1, 1974
USE Sesame Oil

GINNA-1 REACTOR [01]
DA December 1, 1974
UF *Robert E. Ginna-1 Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

GINNA-2 REACTOR [01]
DA December 1, 1974
UF *Robert E. Ginna-2 Reactor*
BT1 Power Reactors
BT2 Reactors

GINZBURG-LANDAU THEORY [01]
DA December 1, 1974
UF *Maki Parameter*
RT Coherence Length
RT Superconductivity

GINZBURG-PITAEVSKII THEORY [01]
DA December 1, 1974
UF *Landau-Ginzburg-Pitaevskii Theory*
RT Superfluidity

GIRBOTOL PROCESS
DA April 15, 1975
BT1 Desulfurization
BT2 Chemical Reactions

GIRDLER-GIRBOTOL PROCESS
DA January 27, 1975
BT1 Desulfurization
BT2 Chemical Reactions

GIROMILL TURBINES
DA June 2, 1977
BT1 Vertical Axis Turbines
BT2 Wind Turbines
BT3 Turbines
BT4 Turbomachinery
BT5 Machinery
BT6 Equipment
DEF Vertical axis turbine with vertical blades which change orientation with increased speed.

GKN-1 Reactor (Neckar)
DA November 23, 1979
USE Neckar-1 Reactor

GKN-2 Reactor (Neckar)
DA November 23, 1979
USE Neckar-2 Reactor

GKN Reactor (Dodewaard)
DA December 1, 1974
USE Dodewaard Reactor

GKN Reactor (Neckar)
DA December 1, 1974
SEE Neckar-1 Reactor
OR Neckar-2 Reactor

GKT PROCESS
DA March 10, 1982
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes
DEF Process developed by Gesellschaft fuer Kohle-Technologie in which coal dust/oxygen/steam mixture reacts rapidly to form synthesis gas.

GLACIERS [01]
DA December 1, 1974
RT Antarctic Regions
RT Arctic Regions
RT Cryosphere
RT Hydrosphere
RT Ice
RT Ice Caps
RT Pleistocene Epoch
RT Snow
RT Water

GLANDS [01]
DA December 1, 1974
UF+ *Sebaceous Glands*
UF+ *Sweat Glands*
BT1 Organs
BT2 Body
NT1 Endocrine Glands
NT2 Adrenal Glands
NT2 Pancreas
NT2 Parathyroid Glands
NT2 Pituitary Gland
NT2 Thyroid
NT1 Liver
NT1 Mammary Glands
NT1 Pineal Gland
NT1 Prostate
NT1 Salivary Glands
RT Adenomas
RT Excretion
RT Secretion

GLASGOW SYNCHROTRON [01]
DA December 1, 1974
BT1 Synchrotrons
BT2 Cyclic Accelerators
BT3 Accelerators

GLASS [01]
DA December 1, 1974
NT1 Borophosphate Glass
NT1 Borosilicate Glass
NT2 Pyrex
NT1 Phosphate Glass
RT Ceramics
RT Colorimetric Dosemeters
RT Dielectric Track Detectors
RT Double Glazing
RT Glass Industry
RT Glazing
RT Glazing Materials
RT Metallic Glasses
RT Perlite
RT Phase Diagrams
RT Phase Transformations
RT Silicon Oxides
RT Solids
RT Vitrification
RT Vycor

Glass Development Laser Facility
DA February 4, 1986
USE GDL Facility

Glass Dosemeters
DA December 1, 1974
USE RPL Dosemeters

GLASS INDUSTRY
DA June 2, 1977
BT1 Industry
RT Beverage Industry
RT Glass

Glass Melters
DA December 8, 1980
USE Ceramic Melters

GLASS SCINTILLATORS [01]
DA December 1, 1974
BT1 Phosphors
RT Luminescent Dosemeters
RT Solid Scintillation Detectors

Glassy Metals
DA February 9, 1983
USE Metallic Glasses

Glauber's Salt
DA November 7, 1979
USE Sodium Sulfates

GLAUBER THEORY [01]
DA December 1, 1974
RT FSC Approximation
RT Multiple Scattering
RT Scattering

GLAZES [01]
DA December 1, 1974
BT1 Coatings
RT Ceramics

GLAZING
DA March 23, 1983
BT1 Coverings
NT1 Double Glazing
RT Glass
RT Glazing Materials
RT Greenhouses
RT Skylights
RT Windows
DEF A covering of transparent or translucent materials used for admitting light.

GLAZING MATERIALS [01]
(Transparent or translucent materials such as glass or glass substitutes.)
DA April 6, 1978
BT1 Materials
RT Building Materials
RT Coverings
RT Double Glazing
RT Fiberglass
RT Glass
RT Glazing
RT Heat Mirrors
RT Polyethylenes
RT Polyvinyls
RT Skylights
RT Windows

GLEEP REACTOR [01]
(UKAEA Atomic Energy Research Establishment, Harwell, United Kingdom.)
DA December 1, 1974
UF *Graphite Low-Energy Experimental Pile*
BT1 Air Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Graphite Moderated Reactors
BT2 Reactors
BT1 Materials Testing Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors

GLEN DAVIS FACILITY [01]
DA June 30, 1975
BT1 Oil Shale Processing Plants
BT2 Industrial Plants
RT New South Wales

GLIOMAS [01]
DA January 12, 1981
BT1 Neoplasms
BT2 Diseases
NT1 Astrocytomas

GLOBAL ANALYSIS [01]
(Studies mathematical manifolds with topology which is locally Euclidean but globally non-Euclidean.)
DA June 16, 1975
BT1 Mathematics
RT Topology

GLOBAL ASPECTS [01]
DA April 4, 1975
UF+ *Global Risk*
SF *World*
RT Contamination
RT Earth Atmosphere
RT Fallout
RT Pollution
RT Waste Disposal

Global Climate Change
DA October 28, 1991
USE Climatic Change

GLOBAL FALLOUT [01]
DA December 1, 1974
UF *World-Wide Fallout*
BT1 Fallout
RT Nuclear Explosions
RT Stratosphere
RT Tropopause

Global Risk
DA June 30, 1975
USE Global Aspects
AND Hazards

Global Warming
DA May 17, 1991
USE Greenhouse Effect

Globin
(Prior to October 1990 this was a valid descriptor.)
DA December 1, 1974
USE Globins

→**GLOBINS [01]**
(Prior to October 1990 this subject was indexed to GLOBIN.)
DA October 9, 1990
UF *Globin*
BT1 Proteins
BT2 Organic Compounds
NT1 Hemoglobin
NT2 Methemoglobin
NT1 Myoglobin

GLOBULINS [01]
DA December 1, 1974
UF+ *C-Reactive Protein*
BT1 Proteins
BT2 Organic Compounds
NT1 Angiotensin
NT1 Fibrinogen
NT1 Globulins-Alpha
NT2 Ceruloplasmin
NT2 Haptoglobins
NT1 Globulins-Beta
NT2 Transferrin
NT1 Globulins-Gamma
NT1 Immunoglobulins
NT1 Lactoferrin
NT1 Myosin
NT1 Thyroglobulin

GLOBULINS-ALPHA [01]
DA December 1, 1974
BT1 Globulins
BT2 Proteins
BT3 Organic Compounds
NT1 Ceruloplasmin
NT1 Haptoglobins

GLOBULINS-BETA [01]
DA December 1, 1974
BT1 Globulins
BT2 Proteins
BT3 Organic Compounds
NT1 Transferrin

GLOBULINS-GAMMA [01]
DA December 1, 1974
BT1 Globulins
BT2 Proteins
BT3 Organic Compounds

GLOMERULI [01]
DA December 1, 1974
BT1 Kidneys
BT2 Organs
BT3 Body
RT Capillaries
RT Renal Clearance
RT Tubules
RT Ultrafiltration

Glossaries
DA November 1, 1976
USE Dictionaries

GLOSSINA [01]
DA December 1, 1974
UF *Tsetse Fly*
BT1 Flies
BT2 Diptera
BT3 Insects
BT4 Arthropods
BT5 Invertebrates
BT6 Animals
RT Disease Vectors
RT Trypanosoma

GLOVEBOXES [01]
DA December 1, 1974
BT1 Laboratory Equipment
BT2 Equipment
RT Containment
RT Gloves
RT Hot Cells
RT Leaks
RT Radiation Protection
RT Remote Handling
RT Shielding

GLOVES [01]
DA December 1, 1974
BT1 Protective Clothing
BT2 Clothing
RT Gloveboxes
RT Hands
RT Radiation Protection
RT Shielding
RT Skin
RT Skin Absorption

GLOW CURVE [01]
DA December 1, 1974
RT Luminescence

GLOW DISCHARGES [01]
DA December 1, 1974
BT1 Electric Discharges

GLUCAGON [01]
DA December 1, 1974
BT1 Peptide Hormones
BT2 Hormones
BT2 Proteins
BT3 Organic Compounds
BT1 Polypeptides
BT2 Peptides
BT3 Proteins
BT4 Organic Compounds
RT Glucose
RT Metabolism
RT Pancreas

GLUCOCORTICOIDS [01]
DA December 1, 1974
BT1 Corticosteroids
BT2 Adrenal Hormones
BT3 Hormones
BT2 Hydroxy Compounds
BT3 Organic Compounds
BT2 Ketones
BT3 Organic Compounds
BT2 Pregnanes
BT3 Steroids
BT4 Organic Compounds
BT2 Steroid Hormones
BT3 Hormones
NT1 Corticosterone
NT1 Cortisone
NT1 Dexamethasone
NT1 Hydrocortisone
NT1 Prednisolone
NT1 Prednisone
RT ACTH
RT Immunosuppression

GLUCOHEPTONATE
DA June 14, 1978
BT1 Carboxylic Acid Esters
BT2 Esters
BT3 Organic Compounds

GLUCONIC ACID [01]
DA December 1, 1974
UF *Dextronic Acid*
UF *Glyconic Acid*
UF *Glykogenic Acid*
BT1 Hydroxy Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
RT Monosaccharides

GLUCOPROTEINS
DA December 1, 1974
BT1 Glycoproteins
BT2 Proteins
BT3 Organic Compounds
BT1 Saccharides
BT2 Carbohydrates
BT3 Organic Compounds
NT1 Lactoferrin
NT1 Ovalbumin
RT Golgi Complexes
RT Post-Translation Modification

GLUCOSAMINE [01]
DA December 1, 1974
BT1 Hexosamines
BT2 Amines
BT3 Organic Compounds
BT2 Hexoses
BT3 Monosaccharides
BT4 Saccharides
BT5 Carbohydrates
BT6 Organic Compounds
RT Chitin

GLUCOSE [01]
DA December 1, 1974
BT1 Aldehydes
BT2 Organic Compounds
BT1 Hexoses
BT2 Monosaccharides
BT3 Saccharides
BT4 Carbohydrates
BT5 Organic Compounds
RT Fluorodeoxyglucose
RT Glucagon
RT Insulin
RT UDPG

GLUCOSIDASE [01]
DA January 30, 1981
BT1 O-Glycosyl Hydrolases
BT2 Glycosyl Hydrolases
BT3 Hydrolases
BT4 Enzymes
BT5 Proteins
BT6 Organic Compounds

GLUCURONIC ACID [01]
DA December 1, 1974
BT1 Aldehydes
BT2 Organic Compounds
BT1 Hydroxy Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
RT Glucuronidase
RT Glucuronide Conjugates
RT Hyaluronic Acid
RT Pectins

GLUCURONIDASE [01]
(Code number 3.2.1.31.)
DA December 1, 1974
BT1 O-Glycosyl Hydrolases
BT2 Glycosyl Hydrolases
BT3 Hydrolases
BT4 Enzymes
BT5 Proteins
BT6 Organic Compounds
RT Glucuronic Acid

GLUCURONIDE CONJUGATES
DA September 24, 1985
BT1 Metabolites
RT Biliary Tract
RT Excretion
RT Glucuronic Acid
RT Glutathione Conjugates
RT Sulfates
DEF Water soluble conjugates of many foreign substances are formed by condensation with glucuronic acid. This conjugation precedes and facilitates the elimination of the foreign substance from the organism.

GLUEBALLS [01]
DA March 7, 1983
UF *Gluonium*
RT Bound State
RT Color Model
RT Gluon Model
RT Gluons
DEF Bound states of gluons.

GLUON CONDENSATION [01]
DA May 11, 1989
RT Gluons
RT Quantum Operators
RT Vacuum States

GLUON-GLUON INTERACTIONS [01]
DA December 2, 1988
BT1 Particle Interactions
BT2 Interactions
RT Gluons
RT Quantum Chromodynamics

GLUON MODEL [01]
DA December 1, 1974
UF *Massive Vector-Meson Model*
BT1 Particle Models
BT2 Mathematical Models
RT Glueballs
RT Gluons
RT Quantum Chromodynamics
RT Vector Mesons

Gluonium
DA March 7, 1983
USE Glueballs

GLUONS [01]
DA February 23, 1979
BT1 Bosons
BT1 Postulated Particles
BT2 Elementary Particles
RT Glueballs
RT Gluon Condensation
RT Gluon-Gluon Interactions
RT Gluon Model
RT Quantum Chromodynamics
RT Quark-Gluon Interactions
RT Vector Mesons

GLUTAMIC ACID [01]
DA December 1, 1974
UF *Aminoglutaric Acid-alpha*
BT1 Amino Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds

NT1 Pyridoxylideneglutamate
RT Glutamine
RT Glutaric Acid

GLUTAMINE [01]
DA December 1, 1974
BT1 Amides
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
BT1 Amino Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
RT Glutamic Acid

GLUTARIC ACID [01]
DA December 1, 1974
BT1 Dicarboxylic Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
RT Glutamic Acid

GLUTATHIONE [01]
DA December 1, 1974
BT1 Polypeptides
BT2 Peptides
BT3 Proteins
BT4 Organic Compounds
BT1 Radioprotective Substances
BT2 Drugs
RT Glutathione Conjugates

GLUTATHIONE CONJUGATES
DA September 24, 1985
BT1 Metabolites
RT Biliary Tract
RT Excretion
RT Glucuronide Conjugates
RT Glutathione
RT Sulfates
DEF Water soluble conjugates of many foreign substances are formed by condensation with glutathione. This conjugation precedes and facilitates the elimination of the foreign substance from the organism.

GLUTIN [01]
DA December 1, 1974
BT1 Scleroproteins
BT2 Proteins
BT3 Organic Compounds

GLYCERIC ACID [01]
DA December 1, 1974
UF *Dihydroxypropionic Acid*
BT1 Hydroxy Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds

Glycerin
DA December 1, 1974
USE Glycerol

GLYCEROL [01]
DA December 1, 1974
UF *1,2,3-Propanetriol*
UF *Glycerin*
BT1 Alcohols
BT2 Hydroxy Compounds
BT3 Organic Compounds
RT Batyl Alcohol
RT Cephalins
RT Lecithins
RT Lugol
RT Nitroglycerin
RT Triglycerides

Glyceryl Trioleate
DA December 1, 1974
USE Triolein

Glycides
DA December 1, 1974
USE Saccharides

GLYCINE [01]
DA December 1, 1974
UF *Aminoacetic Acid*
UF *Glycocoll*
BT1 Amino Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
RT Glycylglycine
RT Hippuric Acid
RT Sarcosine

GLYCINE HISPIDA [01]
DA December 1, 1974
UF *Soybean Plant*
BT1 Leguminosae
BT2 Magnoliopsida
BT3 Magnoliophyta
BT4 Plants
RT Forage
RT Soybeans

Glycocoll
DA December 1, 1974
USE Glycine

GLYCOGEN [01]
DA December 1, 1974
BT1 Polysaccharides
BT2 Saccharides
BT3 Carbohydrates
BT4 Organic Compounds
RT Liver

Glycol Monoalkyl Ethers
DA December 1, 1974
USE Cellosolves

GLYCOLIC ACID [01]
DA December 1, 1974
UF *Hydroxyacetic Acid*
BT1 Hydroxy Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT1 Monocarboxylic Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
RT Thionalide

GLYCOLIPIDS [01]
DA December 1, 1974
BT1 Lipids
BT2 Organic Compounds
BT1 Saccharides
BT2 Carbohydrates
BT3 Organic Compounds
NT1 Cerebrosides
NT1 Gangliosides
RT Golgi Complexes

GLYCOLS [01]
DA December 1, 1974
UF *1,2-Ethanediol*
UF *Diols*
UF *Ethylene Glycol*
BT1 Alcohols
BT2 Hydroxy Compounds
BT3 Organic Compounds
NT1 Benzopinacol
NT1 Butanediols
NT1 Carbitols
NT1 Cellosolves
NT1 EGTA
NT1 Pinacol
NT1 Polyethylene Glycols
NT2 Carbowax
NT2 Pluronics
RT Dacron
RT Mylar

GLYCOLYSIS [01]
DA December 1, 1974
BT1 Metabolism
RT Carbohydrates
RT Catabolism
RT Enzymes
RT Saccharides

Glyconic Acid
DA December 1, 1974
USE Gluconic Acid

GLYCOPROTEINS [01]
DA December 1, 1974
BT1 Proteins
BT2 Organic Compounds
NT1 Glucoproteins
NT2 Lactoferrin
NT2 Ovalbumin
RT Mucopolysaccharides
RT Mucoproteins

GLYCOSIDES [01]
DA December 1, 1974
BT1 Carbohydrates
BT2 Organic Compounds
NT1 Cardiac Glycosides
NT2 Digitalis Glycosides
NT3 Digitoxin
NT3 Digoxin
NT2 Strophanthins
NT3 Ouabain
NT1 Hesperidin
NT1 Phlorizin
NT1 Saponins
NT1 Strophantin
NT1 UDPG
RT Lignin
RT Quercetin

GLYCOSURIA [01]
DA December 1, 1974
BT1 Metabolic Diseases
BT2 Diseases
BT1 Urogenital System Diseases
BT2 Diseases
RT Saccharides

GLYCOSYL HYDROLASES [01]
(Code number 3.2.)
DA December 1, 1974
BT1 Hydrolases
BT2 Enzymes
BT3 Proteins
BT4 Organic Compounds
* **NT1** O-Glycosyl Hydrolases

GLYCOSYL TRANSFERASES [01]
(Code number 2.4.)
DA June 13, 1981
BT1 Transferases
BT2 Enzymes
BT3 Proteins
BT4 Organic Compounds
NT1 Hexosyl Transferases
NT1 Pentosyl Transferases
NT2 Hypoxanthine Phosphoribosyltransferase

GLYCYLGLYCINE [01]
DA December 1, 1974
BT1 Peptides
BT2 Proteins
BT3 Organic Compounds
RT Amino Acids
RT Glycine

Glykogenic Acid
DA December 1, 1974
USE Gluconic Acid

GLYOXAL [01]
DA December 1, 1974
UF *1,2-Ethanedial*
UF *Oxalaldehyde*
BT1 Aldehydes
BT2 Organic Compounds

GLYOXYLIC ACID [01]
DA December 1, 1974
UF *Oxoacetic Acid*
BT1 Aldehydes
BT2 Organic Compounds
BT1 Carboxylic Acids
BT2 Organic Acids
BT3 Organic Compounds

GNEISSES [01]
DA August 12, 1980
BT1 Metamorphic Rocks
BT2 Rocks

GNOME EVENT [01]
DA December 1, 1974

BT1 Plowshare Project
BT1 Vela Project

Gnothobionts
DA December 1, 1974
USE Germ-Free Animals

GOATS [01]
DA December 1, 1974
BT1 Domestic Animals
BT2 Animals
BT1 Ruminants
BT2 Mammals
BT3 Vertebrates
BT4 Animals

Gobar Gas
(Prior to March 1983 this concept was indexed to INTERMEDIATE BTU FUEL GAS.)
DA October 1, 1975
USE Intermediate BTU Gas
AND Methane

GODIVA REACTOR [01]
DA December 1, 1974
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

GOES SATELLITES [01]
DA April 14, 1980
UF *Geostationary Operational Environmental Satellite*
BT1 Satellites
RT Geologic Surveys
RT Remote Sensing

GOESGEN REACTOR [01]
(Daeniken, Solaure, Switzerland)
DA December 1, 1974
UF *Kernkraftwerk Goesgen-Daeniken*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

GOETHITE [01]
DA February 10, 1984
BT1 Oxide Minerals
BT2 Minerals
RT Iron Oxides
RT Limonite

GOETTINGEN SYNCHROCYCLOTRON [01]
DA December 1, 1974
BT1 Synchrocyclotrons
BT2 Cyclic Accelerators
BT3 Accelerators

GOITER [01]
DA December 1, 1974
BT1 Endocrine Diseases
BT2 Diseases
RT Hyperthyroidism
RT Hypothyroidism
RT Thyroid

GOLD [01]
DA December 1, 1974
BT1 Transition Elements
BT2 Metals
BT3 Elements

GOLD 173 [01]
DA September 15, 1983
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Gold Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

GOLD 174 [01]
DA September 15, 1983
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Gold Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

GOLD 175 [01]
DA August 19, 1975
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Gold Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

GOLD 176 [01]
DA August 19, 1975
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Gold Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

GOLD 177 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Gold Isotopes
BT2 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

GOLD 178 [01]
DA January 30, 1975
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Gold Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

GOLD 179 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Gold Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

GOLD 180 [01]
DA December 1, 1974
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Gold Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

GOLD 181 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Gold Isotopes
BT2 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

GOLD 182 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Gold Isotopes
BT2 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

GOLD 183 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Gold Isotopes
BT2 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

GOLD 184 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes

BT1 Gold Isotopes
BT2 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

GOLD 185 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Gold Isotopes
BT2 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

GOLD 186 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Gold Isotopes
BT2 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

GOLD 187 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Gold Isotopes
BT2 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

GOLD 187 TARGET [01]
DA December 20, 1978
BT1 Targets

GOLD 188 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Gold Isotopes
BT2 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

GOLD 189 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Gold Isotopes
BT2 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

GOLD 190 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Gold Isotopes
BT2 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

GOLD 191 [01]
DA December 1, 1974
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Gold Isotopes
BT2 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

GOLD 192 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Gold Isotopes
BT2 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

GOLD 193 [01]
DA December 1, 1974
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Gold Isotopes
BT2 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

GOLD 193 TARGET [01]
DA March 8, 1978
BT1 Targets

GOLD 194 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Gold Isotopes
BT2 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei

GOLD 194 TARGET [01]
DA March 8, 1978
BT1 Targets

GOLD 195 [01]
DA December 1, 1974
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Gold Isotopes
BT2 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

GOLD 195 TARGET [01]
DA March 8, 1978
BT1 Targets

GOLD 196 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes

BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Gold Isotopes
BT2 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

GOLD 196 TARGET [01]
DA March 8, 1978
BT1 Targets

GOLD 197 [01]
DA December 1, 1974
BT1 Gold Isotopes
BT2 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

GOLD 197 BEAMS [01]
DA May 25, 1979
BT1 Ion Beams
BT2 Beams

GOLD 197 REACTIONS [01]
DA July 10, 1984
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

GOLD 197 TARGET [01]
DA July 9, 1976
BT1 Targets

GOLD 198 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Gold Isotopes
BT2 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
RT Radiocolloids

GOLD 198 TARGET [01]
DA March 8, 1978
BT1 Targets

GOLD 199 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Gold Isotopes
BT2 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei

GOLD 199 TARGET [01]
DA March 8, 1978
BT1 Targets

GOLD 200 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Gold Isotopes
BT2 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

GOLD 201 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Gold Isotopes
BT2 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

GOLD 202 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Gold Isotopes
BT2 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

GOLD 203 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Gold Isotopes
BT2 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

GOLD 204 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Gold Isotopes
BT2 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

GOLD ADDITIONS [01]
DA December 1, 1974
BT1 Gold Alloys
BT2 Alloys

GOLD ALLOYS [01]
DA December 1, 1974
BT1 Alloys
NT1 Gold Additions
NT1 Gold Base Alloys
NT2 Palau

GOLD BASE ALLOYS [01]
DA December 1, 1974
BT1 Gold Alloys
BT2 Alloys
NT1 Palau

GOLD BROMIDES [01]
DA December 1, 1974
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Gold Compounds
BT2 Transition Element Compounds

GOLD CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Gold Compounds
BT2 Transition Element Compounds

GOLD COMPLEXES [01]
DA December 1, 1974
BT1 Transition Element Complexes
BT2 Complexes

GOLD COMPOUNDS [01]
DA December 1, 1974
BT1 Transition Element Compounds
NT1 Aurates
NT1 Gold Bromides
NT1 Gold Chlorides
NT1 Gold Fluorides
NT1 Gold Hydrides
NT1 Gold Iodides
NT1 Gold Oxides
NT1 Gold Silicides
NT1 Gold Tellurides

GOLD FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Gold Compounds
BT2 Transition Element Compounds

GOLD HYDRIDES [01]
DA January 31, 1975
BT1 Gold Compounds
BT2 Transition Element Compounds
BT1 Hydrides
BT2 Hydrogen Compounds

GOLD IODIDES [01]
DA December 1, 1974
BT1 Gold Compounds
BT2 Transition Element Compounds
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds

GOLD IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

GOLD ISOTOPES [01]
DA December 1, 1974
BT1 Isotopes
NT1 Gold 173
NT1 Gold 174
NT1 Gold 175
NT1 Gold 176
NT1 Gold 177
NT1 Gold 178
NT1 Gold 179
NT1 Gold 180
NT1 Gold 181
NT1 Gold 182
NT1 Gold 183
NT1 Gold 184
NT1 Gold 185
NT1 Gold 186
NT1 Gold 187
NT1 Gold 188
NT1 Gold 189
NT1 Gold 190
NT1 Gold 191
NT1 Gold 192
NT1 Gold 193
NT1 Gold 194
NT1 Gold 195
NT1 Gold 196
NT1 Gold 197
NT1 Gold 198
NT1 Gold 199
NT1 Gold 200
NT1 Gold 201
NT1 Gold 202
NT1 Gold 203
NT1 Gold 204

GOLD ORES [01]
DA December 1, 1974
BT1 Ores

GOLD OXIDES [01]
DA December 1, 1974
BT1 Gold Compounds
BT2 Transition Element Compounds
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds
RT Aurates

GOLD SILICIDES [01]
DA December 16, 1975
BT1 Gold Compounds
BT2 Transition Element Compounds
BT1 Silicides
BT2 Silicon Compounds

GOLD TELLURIDES [01]
DA November 28, 1975
BT1 Gold Compounds
BT2 Transition Element Compounds
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds

GOLDBERGER MODEL [01]
DA December 1, 1974
UF *Serber-Goldberger Model*
BT1 Nuclear Models
BT2 Mathematical Models

GOLDBERGER-TREIMAN RELATION [01]
DA December 1, 1974
RT Coupling
RT Pions
RT Quantum Field Theory
RT Weak Interactions

GOLDFISH [01]
DA December 1, 1974
UF *Carassius*
BT1 Fishes
BT2 Aquatic Organisms
BT2 Vertebrates
BT3 Animals

Goldhaber-Teller Model
DA December 1, 1974
USE Giant Resonance Model

GOLDSTONE BOSONS [01]
DA December 1, 1974
BT1 Bosons
BT1 Postulated Particles
BT2 Elementary Particles
NT1 Axions
RT Invariance Principles
RT SU Groups
DEF Massless particles occurring in certain broken-symmetry theories.

GOLDSTONE DIAGRAMS [01]
DA December 1, 1974
UF *Brueckner Approximation*
UF *Brueckner-Goldstone Theory*
UF *Brueckner-Sawada Theory*
UF *Sawada Method*
BT1 Diagrams
RT Many-Body Problem

GOLFECH-1 REACTOR [01]
DA September 5, 1984
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

Golgi Apparatus
DA December 1, 1974
USE Golgi Complexes

Golgi Bodies
DA August 21, 1991
USE Golgi Complexes

→**GOLGI COMPLEXES [01]**
DA August 21, 1991
UF *Dictyosomes*
UF *Golgi Apparatus*
UF *Golgi Bodies*
UF *Organoids*
BT1 Cell Constituents
RT Cell Membranes
RT Glucoproteins
RT Glycolipids
RT Post-Translation Modification

GONADOTROPINS [01]
DA December 1, 1974
BT1 Pituitary Hormones
BT2 Peptide Hormones
BT3 Hormones
BT3 Proteins
BT4 Organic Compounds
NT1 FSH
NT1 HCG
NT1 LH
NT1 LTH
RT Gonads

GONADS [01]
DA December 1, 1974
NT1 Ovaries
NT1 Testes
RT Castration
RT Endocrine Glands
RT Female Genitals
RT Fertility
RT Gametogenesis
RT Genetic Effects
RT Germ Cells
RT Gonadotropins
RT HCG
RT Male Genitals
RT Pelvis
RT Reproduction
RT Sex

GONDWANA
DA September 8, 1989
RT Plate Tectonics

GONIOMETERS [01]
DA December 1, 1974
BT1 Measuring Instruments

GONORRHEA [01]
DA August 24, 1976
BT1 Bacterial Diseases
BT2 Infectious Diseases
BT3 Diseases
BT1 Urogenital System Diseases
BT2 Diseases

GOODS AND SERVICES
DA March 23, 1983
RT Procurement
DEF Includes personal property, actions, and services, as distinguished from real property.

GORKOV-ELIASHBERG THEORY [01]
DA January 7, 1976
UF *Eliashberg Equations*
RT Superconductivity
DEF Theory of gapless superconductivity arising from magnetic impurities.

GORLEBEN SALT DOME [01]
DA December 8, 1989
BT1 Radioactive Waste Facilities
BT2 Nuclear Facilities
RT High-Level Radioactive Wastes
RT Radioactive Waste Disposal
RT Salt Caverns
RT Salt Deposits
RT Underground Disposal

GOSATOMNADZOR [01]
DA June 3, 1977
BT1 USSR Organizations
BT2 National Organizations

→**GOVERNMENT BUILDINGS [01]**
(Prior to January 1993, this concept was indexed to FEDERAL BUILDINGS.)
DA January 20, 1993
UF *Federal Buildings*
BT1 Buildings
RT Military Facilities
RT Office Buildings
RT Public Buildings

Government Industry Data Exchange Program
DA November 9, 1984
USE GIDEP

GOVERNMENT POLICIES [01]
DA February 26, 1975
SF *Policy*
NT1 Economic Policy
NT1 Energy Policy
NT2 National Energy Plans
NT3 US National Energy Plan
NT2 Project Independence
NT1 Environmental Policy
NT2 Water Policy
NT1 Foreign Policy
RT Institutional Factors
RT Legal Incentives
RT Local Government
RT National Government
RT Nationalization
RT Non-Proliferation Policy
RT Political Aspects
RT Public Enterprises
RT Public Policy
RT State Government
RT Territorial Waters

RT US Federal Assistance Programs
RT US National Program Plans

Government Spending
DA August 25, 1980
USE Federal Expenditures

GOVERNOR MODEL [01]
DA December 1, 1974
BT1 Shell Models
BT2 Nuclear Models
BT3 Mathematical Models
RT Cranking Model
RT Deformed Nuclei
RT Fission

Governors
DA November 23, 1979
USE State Officials

GRABEN-1 REACTOR [01]
DA April 4, 1975
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

GRABEN-2 REACTOR
DA May 5, 1975
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

GRABS [01]
DA December 1, 1974
BT1 Materials Handling Equipment
BT2 Equipment
RT Hoists
RT Materials Handling

GRACE PARTICLES [01]
DA October 19, 1978
BT1 Postulated Particles
BT2 Elementary Particles
RT Color Model
RT Hadrons
RT Hypercharge
RT Quarks
RT SU-3 Groups

GRAD-SHAFRANOV EQUATION [01]
DA November 9, 1983
BT1 Partial Differential Equations
BT2 Differential Equations
BT3 Equations
RT Mercier Criterion
RT Plasma
RT Transport Theory

Graded Band Gap Solar Cells
DA July 18, 1981
USE Cascade Solar Cells

GRADED BAND GAPS [01]
DA December 11, 1978
RT Band Theory
RT Cascade Solar Cells
RT Energy Gap
RT Semiconductor Materials
RT Solar Cells

GRADED LIE GROUPS [01]
DA December 20, 1978
UF *Lie Superalgebra*
BT1 Lie Groups
BT2 Symmetry Groups
RT Algebra
RT Supergravity
RT Supersymmetry

GRAFENRHEINFELD REACTOR [01]
DA April 4, 1975
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

GRAFT-HOST REACTION [01]
DA December 1, 1974
RT Antigen-Antibody Reactions
RT Grafts
RT Histocompatibility Complex
RT Host
RT Immunity
RT Transplants

GRAFT POLYMERS [01]
DA December 1, 1974
BT1 Organic Polymers
BT2 Organic Compounds
BT2 Polymers
RT Ion Exchange Materials

GRAFTS [01]
DA December 1, 1974
BT1 Transplants
RT Graft-Host Reaction
RT Radioimmunology

Grain Alcohol
DA December 1, 1974
USE Ethanol

GRAIN BOUNDARIES [01]
DA December 1, 1974
UF *Boundaries (Grain)*
BT1 Microstructure
RT Dislocation Pinning
RT Grain Growth
RT Intergranular Corrosion

GRAIN DENSITY [01]
DA December 1, 1974
UF *Density (Grain)*
BT1 Microstructure
RT Granular Materials

GRAIN DISINFESTATION [01]
DA December 1, 1974
BT1 Disinfestation
RT Agriculture
RT Cereals
RT Fumigants
RT Insects
RT Pesticides
RT Preservation
RT Radiodisinfestation
RT Sterilization

GRAIN GROWTH [01]
DA December 1, 1974
UF *Growth (Grain)*
RT Crystal Growth
RT Grain Boundaries
RT Grain Refinement
RT Grain Size
RT Recrystallization

GRAIN ORIENTATION [01]
DA December 1, 1974
UF *Orientation (Grain)*
UF *Preferred Orientation*
BT1 Microstructure
BT1 Orientation
RT Texture

GRAIN REFINEMENT [01]
DA December 1, 1974
UF *Refinement (Grain)*
RT Grain Growth
RT Grain Size
RT Heat Treatments

GRAIN SIZE [01]
(See also PARTICLE SIZE.)
DA December 1, 1974
BT1 Microstructure
BT1 Size
RT Grain Growth
RT Grain Refinement
RT Granular Materials

Grains (Cereal)
DA December 1, 1974
USE Cereals
AND Seeds

→**GRAMINEAE [01]**
(Prior to December 1984 this was a valid descriptor. From December 1984 to July 1991 this concept was indexed to GRASS.)
DA July 1, 1991
UF *Grass*
BT1 Liliopsida
BT2 Magnoliophyta
BT3 Plants
NT1 Bamboo
NT1 Cereals
NT2 Barley
NT2 Maize
NT2 Millet
NT2 Oats
NT2 Rice
NT2 Rye
NT2 Sorghum
NT2 Wheat
NT1 Reeds
NT2 Sugar Cane
RT Cattle
RT Forage
RT Ground Cover
RT Pastures
RT Preferred Species
RT Weeds

GRAND GULF-1 REACTOR [01]
(Port Gibson, Mississippi, USA)
DA December 1, 1974
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

GRAND GULF-2 REACTOR [01]
(Port Gibson, Mississippi, USA)
DA December 1, 1974
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

GRAND RIVER [01]
DA January 27, 1981
BT1 Rivers
BT2 Streams
BT3 Surface Waters
RT Hydroelectric Power
RT Michigan

GRAND UNIFIED THEORY [01]
DA January 27, 1984
BT1 Unified-Field Theories
BT2 Field Theories
BT1 Unified Gauge Models
BT2 Particle Models
BT3 Mathematical Models
RT Electromagnetic Interactions
RT Quantum Chromodynamics

RT SO-10 Groups
RT Strong Interactions
RT SU-5 Groups
RT Weak Interactions
RT Weinberg-Salam Gauge Model
DEF Gauge Field Theory to unify electromagnetic, weak and strong interactions. For unified theories involving gravitation see Unified-Field Theories.

GRANITES [01]
DA December 1, 1974
BT1 Plutonic Rocks
BT2 Igneous Rocks
BT3 Rocks
NT1 Aplites
NT1 Granodiorites
NT1 Quartz Monzonite
RT Biotite
RT Monique Event
RT Pegmatites
RT Quartz
RT Rhyolites
RT Xenotime

GRANODIORITES [01]
DA December 1, 1974
BT1 Granites
BT2 Plutonic Rocks
BT3 Igneous Rocks
BT4 Rocks
RT Feldspars
RT Quartz

GRANTS
DA February 14, 1978
RT Agreements
RT Contracts
RT Financial Assistance
RT Inventions
RT Research Programs
DEF Something bestowed or transferred, such as money or land, for a particular purpose.

GRANULAR BED FILTERS
DA June 14, 1978
BT1 Mechanical Filters
BT2 Filters
RT Pollution Control Equipment

GRANULAR MATERIALS [01]
(For unspecified materials having a granular texture.)
DA November 23, 1979
BT1 Materials
RT Grain Density
RT Grain Size
RT Particles
RT Powders

Granulation (Solar)
DA December 1, 1974
USE Solar Granulation

GRANULITES
DA August 12, 1980
BT1 Metamorphic Rocks
BT2 Rocks

Granulocytes
DA December 1, 1974
USE Leukocytes

GRANULOMAS [01]
DA December 1, 1974
BT1 Neoplasms
BT2 Diseases
RT Inflammation

GRAPEFRUITS [01]
DA December 1, 1974
BT1 Fruits
BT2 Food
RT Citrus

GRAPES [01]
DA December 1, 1974
BT1 Fruits
BT2 Food

GRAPHITE [01]
DA December 1, 1974
UF *Graphite Moderator*
BT1 Carbon
BT2 Nonmetals
BT3 Elements
BT1 Elemental Minerals
BT2 Minerals
RT Carbon Fibers
RT Matrix Materials
RT Moderators
RT Refractories
RT Solid Lubricants
RT Wigner Effect

Graphite Fibers
DA November 11, 1975
USE Carbon Fibers

Graphite Low-Energy Experimental Pile
DA December 1, 1974
USE Gleep Reactor

GRAPHITE MODERATED REACTORS [01]
DA December 1, 1974
BT1 Reactors
NT1 ANNA Reactor
NT1 BEPO Reactor
NT1 BGRR Reactor
NT1 BIGR Reactor
NT1 BNL Reactor
NT1 BR-1 Reactor
NT1 Cesar Reactor
NT1 CP-2 Reactor
NT1 EGCR Reactor
NT1 F-1 Reactor
NT1 Fursov Pile
* **NT1** GCR Type Reactors
NT1 Gleep Reactor
NT1 Hector Reactor
NT1 Hero Reactor
NT1 HEW-305 Reactor
NT1 Hitrex-1 Reactor
NT1 HNPF Reactor
* **NT1** HTGR Type Reactors
NT1 HTLTR Reactor
NT1 IEA-ZPR Reactor
NT1 Iowa UTR-10 Reactor
NT1 KUCA Reactor
* **NT1** LWGR Type Reactors
NT1 Marius Reactor
NT1 MSRE Reactor
NT1 NTR Reactor
NT1 PCTR Reactor
NT1 Proteus Reactor
NT1 RB-1 Reactor
NT1 SGR Type Reactors
NT2 SRE Reactor
NT1 SHCA Reactor
NT1 SMR Reactor
NT1 SR-305 Reactor
NT1 TREAT Reactor
NT1 UHTREX Reactor
NT1 Windscale Production Reactors
NT1 X-10 Reactor
NT1 Zenith Reactor

Graphite Moderator
DA December 1, 1974
USE Graphite

GRAPHITIZATION [01]
DA November 11, 1975
RT Carbonization

Graphs
(Prior to December 1991 this was a valid descriptor.)
DA March 29, 1979
SEE Diagrams

Grasers
DA March 8, 1978
USE Gasers

GRASHOF NUMBER [01]
DA December 1, 1974
RT Convection
RT Reynolds Number

Grass
(Prior to July 1991 this was a valid descriptor.)
DA May 5, 1975
USE Gramineae

GRASSHOPPERS [01]
DA December 1, 1974
BT1 Orthoptera
BT2 Insects
BT3 Arthropods
BT4 Invertebrates
BT5 Animals
NT1 Locusts

Grasslands
DA December 23, 1982
USE Rangelands

GRATINGS
DA January 21, 1982
NT1 Diffraction Gratings
RT Diffraction
RT Optical Systems

GRAVELINES-B1 REACTOR [01]
(Gravelines, Nord, France)
DA March 29, 1980
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

→**GRAVELINES-C6 REACTOR [01]**
(Gravelines, Nord, France.)
DA October 9, 1990
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

GRAVICHEM PROCESS
DA June 23, 1980
BT1 Desulfurization
BT2 Chemical Reactions
RT Waste Processing
DEF Desulfurization process in which coal is mixed wih ferric sulfate, which oxidizes pyritic sulfur to elemental sulfur.

GRAVIMELT PROCESS
DA August 25, 1980
BT1 Desulfurization
BT2 Chemical Reactions
DEF The chemical desulfurization of coal by reaction with an 80% molten caustic mixture with a 1:1 mole ratio of KOH and NaOH. The reaction occurs in a nickel reaction vessel at atmospheric pressure and 715°F.

GRAVIMETRIC ANALYSIS [01]
DA December 1, 1974
BT1 Quantitative Chemical Analysis
BT2 Chemical Analysis
NT1 Thermal Gravimetric Analysis

GRAVIMETRY [01]
(For gravitation measurements only; not for GRAVIMETRIC ANALYSIS.)
DA December 1, 1974
RT Acceleration
RT Gravitation
RT Gravity Surveys

GRAVITATION [01]
DA December 1, 1974
RT Einstein Effect
RT General Relativity Theory
RT Gravimetry
RT Gravitational Fields
RT Gravitational Interactions
RT Gravitational Lenses
RT Gravity Waves
RT Kaluza-Klein Theory
RT Quantum Gravity
RT Schwarzschild Metric
RT Supergravity
RT Twistor Theory
RT Weightlessness

GRAVITATIONAL COLLAPSE [01]
DA December 1, 1974
RT Black Holes
RT Neutron Stars
RT Schwarzschild Radius
RT Star Evolution

GRAVITATIONAL FIELDS [01]
DA December 1, 1974
UF *Fields (Gravitational)*
NT1 Kerr Field
RT Einstein Effect
RT Einstein Field Equations
RT Einstein Maxwell Equations
RT Equivalence Principle
RT General Relativity Theory
RT Gravitation
RT Gravitational Interactions
RT Gravitational Lenses
RT Gravitational Radiation
RT Mass
RT Metrics
RT Potentials
RT Quantum Gravity
RT Roche Equipotentials
RT Uniton
RT Weyl Unified Theory

GRAVITATIONAL INSTABILITY
DA January 20, 1975
BT1 Plasma Instability
BT2 Instability

GRAVITATIONAL INTERACTIONS [01]
DA December 1, 1974
BT1 Basic Interactions
BT2 Interactions
RT Gravitation
RT Gravitational Fields
RT Gravitational Radiation
RT Gravitational Waves

GRAVITATIONAL LENSES [01]
DA March 7, 1983
BT1 Lenses
RT General Relativity Theory
RT Gravitation
RT Gravitational Fields

GRAVITATIONAL RADIATION [01]
DA December 1, 1974
BT1 Radiations
NT1 Gravitons
RT General Relativity Theory
RT Gravitational Fields
RT Gravitational Interactions
RT Gravitational Waves

GRAVITATIONAL WAVE DETECTORS [01]
DA April 19, 1976
BT1 Radiation Detectors
BT2 Measuring Instruments

GRAVITATIONAL WAVES [01]
DA December 1, 1974
RT Einstein-Maxwell Equations
RT Gravitational Interactions
RT Gravitational Radiation

GRAVITONS [01]
DA December 1, 1974
BT1 Gravitational Radiation
BT2 Radiations
BT1 Massless Particles
BT2 Elementary Particles
BT1 Postulated Particles
BT2 Elementary Particles
RT Quantum Gravity
RT Supergravity
RT Uniton

GRAVITY LOGGING
DA January 28, 1977
BT1 Well Logging
RT Gravity Surveys
DEF Well logging by detection of gravitational anomalies.

GRAVITY SURVEYS
DA January 23, 1975
BT1 Geophysical Surveys
BT2 Surveys
RT Geothermal Exploration
RT Gravimetry
RT Gravity Logging

GRAVITY WAVES [01]
DA December 1, 1974
NT1 Water Waves
NT2 Tsunamis
RT Fluid Mechanics
RT Gravitation
DEF Waves in an interface between fluids of different density in which the restoring force is gravity.

Gray
DA August 12, 1980
USE Radiation Dose Units

GRAYWACKE [01]
DA December 1, 1974
BT1 Sandstones
BT2 Sedimentary Rocks
BT3 Rocks

GRAZING [01]
DA October 3, 1979
BT1 Feeding
RT Domestic Animals
RT Forage
RT Rangelands
RT Wild Animals
DEF Act of feeding on growing herbage.

GRAZING INCIDENCE TOMOGRAPHY [01]
DA June 13, 1981
BT1 Tomography
BT2 Diagnostic Techniques

GREASES [01]
DA December 1, 1974
BT1 Lubricants
RT Lubrication
RT Oils

GREAT BASIN [01]
DA April 6, 1978
BT1 USA
BT2 Developed Countries
BT2 North America
RT Arizona
RT California
RT Nevada
RT Utah
DEF Area including Nevada, western and central Utah, Mohave county in Arizona, and the counties of Alpine, El Dorado, Inyo, Mono, and San Bernardino in California.

Great Britain
DA December 1, 1974
USE United Kingdom

GREAT LAKES [01]
DA December 1, 1974
BT1 Lakes
BT2 Surface Waters
NT1 Lake Erie
NT1 Lake Huron
NT1 Lake Michigan
NT1 Lake Ontario
NT1 Lake Superior
RT Great Lakes Basin

GREAT LAKES BASIN
DA June 14, 1978
BT1 Watersheds
RT Great Lakes

Great Lakes Region
(Prior to June 1982 this was a valid descriptor.)
DA July 6, 1978
USE USA

Great Plains
DA September 13, 1978
USE USA
DEF An area of land encompassing the eastern portions of Montana, Wyoming, Colorado, and New Mexico and the western portions of North Dakota, South Dakota, Nebraska, Kansas, Oklahoma, and Texas. The area includes the southern provinces of Canada.

GREAT SALT LAKE [01]
DA July 7, 1976
BT1 Lakes
BT2 Surface Waters
RT Utah

GREATER ANTILLES [01]
DA February 11, 1980
BT1 West Indies
BT2 Islands
NT1 Cuba
NT1 Hispaniola
NT2 Dominican Republic
NT2 Haiti
NT1 Jamaica
NT1 Puerto Rico

GREECE [01]
DA December 1, 1974
BT1 Developing Countries
BT1 Europe
RT OECD

GREEK ORGANIZATIONS [01]
DA December 27, 1984
BT1 National Organizations

Greek Research Reactor
DA December 1, 1974
USE Democritus Reactor

GREELEY EVENT [01]
DA December 1, 1974
BT1 Latchkey Operation
BT2 Nuclear Explosions
BT3 Explosions
BT2 Underground Explosions
BT3 Explosions

GREEN FUNCTION [01]
DA December 1, 1974
BT1 Functions
RT Differential Equations
RT Sturm-Liouville Equation

Green Oil
DA April 19, 1976
USE Shale Oil Fractions

GREEN RIVER FORMATION [01]
DA February 26, 1975
BT1 Geologic Formations
NT1 Mahogany Zone
NT1 Uinta Formation
RT Colorado
RT Oil Shale Deposits
RT Oil Shales
RT Piceance Creek Basin
RT Sand Wash Basin
RT Utah
RT Washakie Basin
RT Wyoming

GREENE COUNTY REACTOR [01]
DA November 28, 1975
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

GREENHOUSE EFFECT [01]
DA May 17, 1976
UF *Global Warming*
BT1 Climatic Change
RT Greenhouse Gases
RT Heat Transfer
RT Reflection
RT Trapping

GREENHOUSE GASES [01]
DA September 4, 1991
RT Air Pollution
RT Carbon Dioxide
RT Chlorofluorocarbons
RT Greenhouse Effect
RT Methane
RT Nitrogen Oxides

GREENHOUSE PROJECT [01]
DA December 1, 1974
UF *Project (Greenhouse)*
BT1 Nuclear Explosions
BT2 Explosions
RT Enlwetok

GREENHOUSES [01]
DA January 24, 1975
BT1 Buildings
NT1 Attached Greenhouses
RT Agriculture
RT Glazing
RT Horticulture
RT Hydroponic Culture

GREENLAND [01]
DA December 1, 1974
RT Arctic Ocean
RT Arctic Regions
RT Denmark

GREENWOOD-2 REACTOR [01]
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

GREENWOOD-3 REACTOR [01]
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

GREIFSWALD-1 REACTOR [01]
(Greifswald, Federal Republic of Germany.)
DA June 30, 1975
UF *Bruno Leuschner-1 Reactor*
BT1 WWER Type Reactors
BT2 PWR Type Reactors
BT3 Enriched Uranium Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors
BT3 Thermal Reactors
BT4 Reactors
BT3 Water Cooled Reactors
BT4 Reactors
BT3 Water Moderated Reactors
BT4 Reactors

GREIFSWALD-2 REACTOR [01]
(Greifswald, Federal Republic of Germany.)
DA June 30, 1975
UF *Bruno Leuschner-2 Reactor*
BT1 WWER Type Reactors
BT2 PWR Type Reactors
BT3 Enriched Uranium Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors
BT3 Thermal Reactors
BT4 Reactors
BT3 Water Cooled Reactors
BT4 Reactors
BT3 Water Moderated Reactors
BT4 Reactors

GREIFSWALD-3 REACTOR [01]
(Greifswald, Federal Republic of Germany.)
DA September 11, 1978
UF *Bruno Leuschner-3 Reactor*
BT1 WWER Type Reactors
BT2 PWR Type Reactors
BT3 Enriched Uranium Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors
BT3 Thermal Reactors
BT4 Reactors
BT3 Water Cooled Reactors
BT4 Reactors
BT3 Water Moderated Reactors
BT4 Reactors

GREIFSWALD-4 REACTOR [01]
(Greifswald, Federal Republic of Germany.)
DA September 11, 1978
UF *Bruno Leuschner-4 Reactor*
BT1 WWER Type Reactors
BT2 PWR Type Reactors
BT3 Enriched Uranium Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors
BT3 Thermal Reactors
BT4 Reactors
BT3 Water Cooled Reactors
BT4 Reactors
BT3 Water Moderated Reactors
BT4 Reactors

GREIFSWALD-5 REACTOR [01]
(Greifswald, German Democratic Republic.)
DA August 6, 1990
BT1 WWER Type Reactors
BT2 PWR Type Reactors
BT3 Enriched Uranium Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors
BT3 Thermal Reactors
BT4 Reactors
BT3 Water Cooled Reactors
BT4 Reactors
BT3 Water Moderated Reactors
BT4 Reactors

GREIFSWALD-6 REACTOR [01]
(Greifswald, German Democratic Republic.)
DA August 6, 1990
BT1 WWER Type Reactors
BT2 PWR Type Reactors
BT3 Enriched Uranium Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors
BT3 Thermal Reactors
BT4 Reactors
BT3 Water Cooled Reactors
BT4 Reactors
BT3 Water Moderated Reactors
BT4 Reactors

GRENOBLE CYCLOTRON [01]
DA December 1, 1974
BT1 Isochronous Cyclotrons
BT2 Cyclotrons
BT3 Cyclic Accelerators
BT4 Accelerators

GRENOBLE REACTOR [01]
DA December 1, 1974
UF *Franco German High Flux Reactor*
BT1 Heavy Water Cooled Reactors
BT2 Reactors
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors

Grenoble Reactor Melusine-1
DA December 1, 1974
USE Melusine-1 Reactor

Grenoble Reactor Melusine-2
DA December 1, 1974
USE Siloette Reactor

GREULING-GOERTZEL APPROXIMATION
DA January 20, 1975
RT Neutron Flux
RT Neutron Slowing-Down Theory
RT Slowing Down
RT Transport Theory
DEF Treatment of neutron slowing down which includes absorption

GRIBOV-LIPATOV RELATION [01]
DA December 1, 1974
BT1 Equations
RT Annihilation
RT Scattering
RT Structure Functions

GRIDS [01]
DA December 1, 1974
BT1 Electrodes
RT Battery Paste

Grids (Coordinates)
DA December 1, 1974
USE Coordinates

GRIGNARD REAGENTS [01]
DA December 1, 1974
UF *Alkylmagnesium Compounds*
UF *Arylmagnesium Compounds*
BT1 Magnesium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Organometallic Compounds
BT2 Organic Compounds

GRILLO PROCESS
DA January 27, 1975
BT1 Desulfurization
BT2 Chemical Reactions
RT Waste Processing
DEF A desulfurization process based on chemisorption of the acidic components of waste gas in which the absorbent consists of an oxide compound of MgO and MnO_2.

GRINDING [01]
DA December 1, 1974
BT1 Comminution
BT1 Machining
RT Grinding Machines
RT Honing

RT Mullers
RT Wear

GRINDING MACHINES [01]
DA December 1, 1974
BT1 Machine Tools
BT2 Tools
RT Grinding

GROHNDE REACTOR [01]
(Grohnde, Niendersachsen, Federal Republic of Germany)
DA September 15, 1976
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

Grom Devices
(Prior to June 1991 this was a valid descriptor.)
DA January 20, 1975
USE Pinch Devices

GROMMET OPERATION
DA November 23, 1979
BT1 Nuclear Explosions
BT2 Explosions
BT1 Underground Explosions
BT2 Explosions
NT1 Cannikin Event
NT1 Miniata Event
RT Contained Explosions

Groningen (KVI) Cyclotron
DA July 7, 1983
USE KVI Cyclotron

Groningen Versneller Instituut
DA October 19, 1977
USE KVI

GROSS DOMESTIC PRODUCT [01]
DA February 14, 1978
RT Economic Development
RT Gross National Product
RT Market
RT Net Material Product
RT Production
DEF Sum of a nation's economic output measured in terms of expenditures for goods and services by consumers, government, business, and foreign countries.

GROSS NATIONAL PRODUCT [01]
DA January 23, 1976
RT Economic Development
RT Economics
RT Economy
RT Gross Domestic Product
RT Market
RT Net Material Product
RT Production
DEF The sum of Gross Domestic Product and earnings from foreign investments.

Gross-Neveu Model
DA February 9, 1982
USE Lagrangian Field Theory

Grosswelzheim HDR Reactor
DA December 1, 1974
USE HDR Reactor

Grosswelzheim PR-10 Reactor
DA December 1, 1974
USE AEG-PR-10 Reactor

Ground Control
DA May 3, 1978
USE Strata Control

GROUND COVER [01]
DA September 11, 1978
RT Canopies
RT Crops
RT Erosion
RT Forests
RT Gramineae
RT Plants
RT Revegetation
RT Underground Disposal
RT Water Pollution Abatement
DEF Vegetation or other means for ensuring soil stability, usually in connection with buried wastes or mining.

GROUND DISPOSAL [01]
DA August 8, 1978
UF *Land Application*
UF *Shallow Land Burial*
BT1 Waste Disposal
BT2 Waste Management
BT3 Management
RT Liquid Wastes
RT Radioactive Wastes
RT Sewage Sludge
RT Solid Wastes

Ground-Effect Machines
DA August 9, 1977
USE Air Cushion Vehicles

Ground Experimental Engine Experiment
DA December 1, 1974
USE XE-Prime Reactor

Ground Experimental Engine Experiment-2
DA April 15, 1975
USE XE-2 Reactor

GROUND LEVEL [01]
DA December 1, 1974
BT1 Levels

GROUND MOTION [01]
DA December 1, 1974
BT1 Motion
RT Earthquakes
RT Ground Subsidence
RT Ground Uplift
RT Landslides
RT Nuclear Explosions
RT Seismic Detectors
RT Seismic Effects
RT Seismic Events
RT Seismic Waves
RT Seismographs
RT Seismology
RT Shock Waves
RT Slope Stability
RT Soil-Structure Interactions
RT Strata Movement
RT Underground Explosions

GROUND RELEASE [01]
(Release of gaseous effluents at ground level.)
DA December 1, 1974
BT1 Waste Disposal
BT2 Waste Management
BT3 Management
RT Gaseous Wastes
RT Radioactive Waste Disposal
RT Stack Disposal

GROUND SOURCE HEAT PUMPS
DA January 24, 1980
BT1 Heat Pumps
RT Air Conditioning
RT Solar-Assisted Heat Pumps
RT Space Heating

GROUND STATES [01]
DA December 1, 1974
BT1 Energy Levels

GROUND SUBSIDENCE [01]
DA January 23, 1975
UF *Subsidence (Ground)*
RT Ground Motion

GROUND TRUTH
DA April 14, 1980
RT Data Analysis
RT Geochemical Surveys
RT Geophysical Surveys
RT Remote Sensing
DEF Data obtained on the ground concerning the significance of anomalies observed in remote sensing to help interpretation.

GROUND UPLIFT
DA April 11, 1979
RT Geodetic Surveys
RT Ground Motion
RT Strata Movement
RT Tectonics
DEF Process of elevating a part of the earth's surface.

GROUND WATER [01]
DA December 1, 1974
BT1 Water
BT2 Hydrogen Compounds
BT2 Oxygen Compounds
NT1 Interstitial Water
NT2 Connate Water
NT1 Magmatic Water
NT1 Meteoric Water
RT Alluvial Deposits
RT Aquicludes
RT Aquifers
RT Artesian Basins
RT Clays
RT Drawdown
RT Fluid Withdrawal
RT Geysers
RT Hydrology
RT Leachates
RT Liquid Wastes
RT Radionuclide Migration
RT Recharge
RT Soils
RT Surface Waters
RT Underground
RT Water Resources
RT Water Springs
RT Water Tables

Ground-Water Reserves
DA March 31, 1976
USE Aquifers

Ground Water Withdrawal
DA November 11, 1975
USE Fluid Withdrawal

Groundnuts
(Arachis hypogaea)
DA December 1, 1974
USE Peanuts

Grounds
DA February 13, 1975
USE Electric Grounds

Grounds (Electric)
DA July 8, 1982
USE Electric Grounds

Groundwater Recharge
DA May 27, 1976
USE Recharge

GROUP CONSTANTS [01]
DA December 1, 1974
BT1 Cross Sections
RT Energy Range
RT Energy Spectra
RT Multigroup Theory

GROUP THEORY [01]
(For mathematical groups only; for neutron-energy groups use MULTIGROUP THEORY.)
DA December 1, 1974
BT1 Mathematics
RT Clebsch-Gordan Coefficients
RT Clifford Algebra
RT Galilei Transformations
RT Irreducible Representations
RT Nonunitary Representations

RT R Matrix
RT Racah Coefficients
RT Space Groups
RT Supersymmetry
RT Symmetry Groups
RT Wigner Coefficients
RT Young Diagram

Groups (Space)
DA December 1, 1974
USE Space Groups

GROUTING [01]
DA March 8, 1977
RT Bonding
RT Cementing
RT Cements
RT Fillers
RT Mortars
RT Sealing Materials
RT Seals
RT Stemming Materials

GROWTH [01]
DA December 1, 1974
UF+ *Cell Growth (Animal)*
UF+ *Cell Growth (Plant)*
UF+ *Growth Inhibition*
UF+ *Growth Stimulation*
NT1 Animal Growth
NT1 Plant Growth
RT Age Dependence
RT Augmentation
RT Biological Regeneration
RT Life Cycle
RT Metabolism
RT Physiology
RT Population Dynamics
RT Ripening
RT STH
RT Teratogenesis
RT Viability

Growth (Bubble)
DA November 8, 1980
USE Bubble Growth

Growth (Crystal)
DA December 1, 1974
USE Crystal Growth

Growth (Economic)
DA October 19, 1977
USE Economic Development

Growth (Grain)
DA December 1, 1974
USE Grain Growth

GROWTH FACTORS [01]
DA August 14, 1987
BT1 Mitogens
BT1 Proteins
BT2 Organic Compounds
NT1 Lymphokines
NT2 Interferon
RT Cell Differentiation
RT Cell Proliferation
RT Erythropoietin
RT Oncogenes
RT Ontogenesis
DEF Tissue specific proteins released by a cell which act on neighboring cells to stimulate their replication. The proteins are important in co-ordinating cell differentiation and play a role in tumor growth.

Growth Hormone
DA December 1, 1974
USE STH

Growth Hormone-Release Inhibiting Factor
DA February 5, 1979
USE Somatostatin

Growth Inhibition
(If possible, use a more specific term for growth.)
DA December 1, 1974
USE Growth
AND Inhibition

Growth Stimulation
DA December 1, 1974
USE Growth
AND Stimulation

GRR Reactor
DA December 1, 1974
USE Democritus Reactor

GRS
DA October 19, 1977
USE Ges Fuer Reaktorsicherheit

GRUENEISEN CONSTANT [01]
DA December 1, 1974
RT Compressibility
RT Specific Heat
RT Thermal Expansion

GRUENEISEN FORMULA [01]
DA December 1, 1974
RT Electric Conductivity
RT Metals

GS Process
DA September 11, 1975
USE Dual Temperature Process

GSD
DA June 30, 1975
USE Genetically Significant Dose

GTP-ASES
DA May 23, 1988
UF *G-Proteins*
BT1 Acid Anhydrases
BT2 Hydrolases
BT3 Enzymes
BT4 Proteins
BT5 Organic Compounds
RT Membrane Proteins
RT Oncogenes

GTR REACTOR [01]
DA December 1, 1974
UF *Fort Worth GTR Reactor*
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors

GTRR REACTOR [01]
(Georgia Institute of Technology, Atlanta, Georgia, USA.)
DA December 1, 1974
UF *Georgia Tech. Research Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Heavy Water Cooled Reactors
BT2 Reactors
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors

GUAM [01]
DA February 14, 1978
BT1 Mariana Islands
BT2 Trust Territory of the Pacific Islands
BT3 Islands
BT3 USA
BT4 Developed Countries
BT4 North America

GUANETHIDINE [01]
DA December 1, 1974
BT1 Antihypertensive Agents
BT2 Cardiovascular Agents
BT3 Drugs
BT1 Carbonic Acid Derivatives
BT2 Organic Compounds
BT1 Heterocyclic Compounds
BT2 Organic Compounds
BT1 Organic Nitrogen Compounds
BT2 Organic Compounds

GUANIDINES [01]
DA November 17, 1976
UF *Iminourea*
BT1 Carbonic Acid Derivatives
BT2 Organic Compounds
BT1 Organic Nitrogen Compounds
BT2 Organic Compounds
RT Amides
RT Imines

Guanidylaminovaleric Acid
DA December 1, 1974
USE Arginine

GUANINE [01]
DA December 1, 1974
UF *Aminohypoxanthine*
BT1 Amines
BT2 Organic Compounds
BT1 Hydroxy Compounds
BT2 Organic Compounds
BT1 Purines
BT2 Azaarenes
BT3 Aromatics
BT4 Organic Compounds
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
RT Guanosine
RT Guanylic Acid

GUANOSINE [01]
DA December 1, 1974
BT1 Nucleosides
BT2 Nucleotides
BT3 Organic Compounds
BT2 Ribosides
BT1 Purines
BT2 Azaarenes
BT3 Aromatics
BT4 Organic Compounds
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
RT Guanine
RT Guanylic Acid

GUANYLIC ACID [01]
DA December 1, 1974
BT1 Nucleotides
BT2 Organic Compounds
RT Guanine
RT Guanosine

Guard Logging
DA May 2, 1979
USE Resistivity Logging

Guards
DA January 27, 1981
USE Security Personnel

GUATEMALA [01]
DA December 1, 1974
BT1 Central America
BT2 Latin America
BT1 Developing Countries

GUAYULE [01]
DA January 15, 1980
UF *Parthenium Argentatum*
BT1 Rubber Trees
BT2 Euphorbia
BT3 Magnoliopsida
BT4 Magnoliophyta

BT5 Plants
BT2 Trees
BT3 Plants
RT Natural Rubber

Guidance (Electronic)
DA December 1, 1974
USE Electronic Guidance

→**GUIDE TUBES [01]**
DA November 20, 1990
BT1 Tubes
RT Control Elements
RT Fuel Assemblies

Guidelines
DA December 1, 1974
USE Recommendations

Guides (Shaft)
DA May 21, 1983
USE Shaft Guides

GUIDING-CENTER APPROXIMATION [01]
DA December 1, 1974
RT Charged Particles
RT Magnetic Fields
RT Motion
RT Plasma
RT Rotation

GUILLEMINITE [01]
DA December 1, 1974
BT1 Oxide Minerals
BT2 Minerals
BT1 Selenium Oxides
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT2 Selenium Compounds
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
BT1 Uranium Oxides
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT2 Uranium Compounds
BT3 Actinide Compounds

GUINEA [01]
DA August 12, 1980
BT1 Africa

GUINEA PIGS [01]
DA December 1, 1974
BT1 Rodents
BT2 Mammals
BT3 Vertebrates
BT4 Animals

GUINIER-PRESTON ZONES [01]
DA December 1, 1974
BT1 Zones
RT Crystal Structure
RT Phase Transformations
RT Segregation

Gulf Coast
(Prior to January 1992 this was a valid descriptor.)
DA December 10, 1979
USE US Gulf Coast

Gulf General Atomic Fast Breeder Reactor
DA December 1, 1974
USE GCFR Reactor

Gulf General Atomic TRIGA-Mk-3
DA December 1, 1974
USE Gulf TRIGA-Mk-3 Reactor

GULF HDS PROCESS
DA May 12, 1982
BT1 Desulfurization
BT2 Chemical Reactions
BT1 Hydrogenation
BT2 Chemical Reactions
BT1 Refining
BT2 Processing
DEF Fix-bed catalytic hydrogenation process. Primary reactions are desulfurization, demetallization, denitrogenation, and upgrading of asphaltenes.

GULF OF ALASKA [01]
DA April 19, 1976
UF *Cook Inlet*
BT1 Pacific Ocean
BT2 Seas
BT3 Surface Waters

GULF OF CALIFORNIA [01]
DA November 11, 1975
BT1 Pacific Ocean
BT2 Seas
BT3 Surface Waters

GULF OF MAINE [01]
DA January 20, 1975
BT1 Atlantic Ocean
BT2 Seas
BT3 Surface Waters
RT Massachusetts
RT New Hampshire

GULF OF MEXICO [01]
DA December 1, 1974
BT1 Caribbean Sea
BT2 Atlantic Ocean
BT3 Seas
BT4 Surface Waters
NT1 Galveston Bay
NT1 San Antonio Bay
RT US Gulf Coast

GULF OF SUEZ [01]
DA January 7, 1976
BT1 Red Sea
BT2 Seas
BT3 Surface Waters

GULF STREAM [01]
DA June 21, 1977
UF *Florida Current*
BT1 Water Currents
BT2 Currents
RT Atlantic Ocean
RT Mid-Atlantic Bight

GULF TRIGA-MK-3 REACTOR [01]
DA December 1, 1974
UF *Gulf General Atomic TRIGA-Mk-3*
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 TRIGA Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Hydride Moderated Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Solid Homogeneous Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

GUM ACACIA [01]
DA December 1, 1974
UF *Gum Arabic*
BT1 Polysaccharides
BT2 Saccharides
BT3 Carbohydrates
BT4 Organic Compounds
RT Arabinose

Gum Arabic
DA December 1, 1974
USE Gum Acacia

GUMMITE [01]
DA December 1, 1974
BT1 Oxide Minerals
BT2 Minerals
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
RT Uranium Oxides

GUMS
DA January 30, 1975
RT Colloids

Gun Cotton
DA December 1, 1974
USE Nitrocellulose

GUNDREMMINGEN-2 REACTOR [01]
DA May 5, 1975
UF *KRB II-B Reactor*
UF *RWE-Bayernwerk-B Reactor*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

GUNDREMMINGEN-3 REACTOR [01]
DA May 5, 1975
UF *KRB II-C Reactor*
UF *RWE-Bayernwerk-C Reactor*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

Gundremminger KRB Reactor
DA August 19, 1975
USE RWE-Bayernwerk Reactor

GUNNISON RIVER [01]
DA December 1, 1974
BT1 Rivers
BT2 Streams
BT3 Surface Waters
RT Colorado

GUNS [01]
DA January 20, 1975
RT Ammunition
RT Armor
RT Explosives
RT Projectiles

GUTTA PERCHA [01]
DA December 1, 1974
RT Elastomers

GUYANA [01]
(Formerly BRITISH GUIANA; achieved independence in 1966.)
DA October 24, 1981
BT1 Developing Countries
BT1 South America
BT2 Latin America
RT British Guiana

Gymnosperms
DA January 9, 1989
USE Pinophyta

GYNECOLOGY [01]
(Including obstetrics.)
DA December 1, 1974
UF *Obstetrics*
BT1 Medicine
RT Female Genitals
RT Pregnancy
RT Urogenital System Diseases
RT Women

GYPSUM [01]
DA December 1, 1974
BT1 Sulfate Minerals
BT2 Minerals
RT Anhydrite
RT Calcium Sulfates

GYPSUM CEMENTS [01]
DA December 1, 1974
UF *Plaster of Paris*
BT1 Cements
BT2 Building Materials
BT3 Materials

Gypsy Moth
DA December 1, 1974
USE Lymantria Dispar

GYROCONS [01]
DA May 25, 1979
BT1 Electron Tubes
RT Klystrons
RT Power Supplies
RT RF Systems
DEF Electron tube operating by deflection modulation.

GYROELECTRIC RATIO [01]
DA December 1, 1974
RT Angular Momentum
RT Electric Moments

GYROFREQUENCY [01]
DA December 1, 1974
UF *Frequency (Gyro)*
RT Cyclotron Frequency

Gyromagnetic Radius
DA December 1, 1974
USE Larmor Radius

GYROMAGNETIC RATIO [01]
DA December 1, 1974
UF *G Factor (Gyromagnetic Ratio)*
RT Angular Momentum
RT Magnetic Moments

GYROSCOPES [01]
DA December 1, 1974
RT Measuring Instruments
RT Precession
RT Rotation

Gyrotrons
DA April 6, 1978
USE Microwave Amplifiers

→**H-1 HELIAC [01]**
DA May 16, 1990
BT1 Stellarators
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices
RT Sheila HELIAC

H1-1190 MESONS [01]
DA January 28, 1988
BT1 Axial Vector Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

H1 REGIONS [01]
DA December 1, 1974
BT1 Cosmic Radio Sources
RT Hydrogen

H2 REGIONS [01]
DA December 1, 1974
BT1 Cosmic Radio Sources
RT Hydrogen Ions 1 Plus
RT Nebulae

H-2050 Resonances
(Prior to February 1988 this was a valid descriptor.)
DA November 1, 1976
USE F4-2030 Mesons

H-Alpha Line
DA December 1, 1974
USE Balmer Lines

H-Beta Line
DA December 1, 1974
USE Balmer Lines

H CENTERS [01]
DA December 1, 1974
BT1 Color Centers
BT2 Vacancies
BT3 Point Defects
BT4 Crystal Defects
BT5 Crystal Structure

H-COAL PROCESS
DA January 23, 1975
BT1 Coal Liquefaction
BT2 Liquefaction
BT3 Thermochemical Processes
DEF Hydrocarbon Research, Inc. process for the direct catalytic conversion of whole coal to synthetic crude oil at moderate temperature (950°F) and high pressure (2250-2700 psig).

H CODES [01]
DA December 1, 1974
BT1 Computer Codes

H-Gamma Line
DA December 1, 1974
USE Balmer Lines

H-MODE PLASMA CONFINEMENT [01]
DA October 26, 1989
BT1 Plasma Confinement
BT2 Confinement
RT Confinement Time
RT Divertors
RT Edge Localized Modes
RT Tokamak Devices

H-OIL PROCESS
DA January 27, 1975
RT Oil Sands
RT Oil Shales
DEF Method of hydrogenation to upgrade oil shale.

H THEOREM [01]
DA December 1, 1974
RT Boltzmann Statistics
RT Entropy

Haag-Araki Field Theory
DA March 8, 1978
USE Algebraic Field Theory

HAAG THEOREM [01]
DA December 1, 1974
RT Phi4-Field Theory
RT Quantum Field Theory

HABIT PLANES [01]
DA December 1, 1974
RT Crystal Lattices
RT Phase Transformations

HABITAT [01]
DA November 1, 1976
RT Environment
RT Nests
DEF The area or type of environment in which a plant or animal normally occurs or lives.

HABROBRACON [01]
DA December 1, 1974
BT1 Wasps
BT2 Hymenoptera
BT3 Insects
BT4 Arthropods
BT5 Invertebrates
BT6 Animals

HACHIMANTAI [01]
DA April 5, 1978
BT1 Japan
BT2 Asia
BT2 Developed Countries
RT Matsukawa Geothermal Field
RT Onuma Geothermal Field
RT Takinoue Geothermal Field
RT Volcanic Regions

Haddam Neck Reactor
DA December 1, 1974
USE Connecticut Yankee Reactor

HADRON-HADRON INTERACTIONS [01]
DA December 1, 1974
BT1 Particle Interactions
BT2 Interactions
* **NT1** Baryon-Baryon Interactions
* **NT1** Meson-Baryon Interactions
NT1 Meson-Meson Interactions
NT2 Kaon-Kaon Interactions
NT2 Pion-Kaon Interactions
NT2 Pion-Pion Interactions
RT Electromagnetic Interactions
RT Strong Interactions

HADRON REACTIONS [01]
DA December 1, 1974
BT1 Nuclear Reactions
* **NT1** Baryon Reactions
* **NT1** Meson Reactions
RT Space-Time Model

HADRONIC ATOMS [01]
DA December 1, 1974
UF *Antiprotonic Atoms*
UF *Exotic Atoms*
UF *Sigma-Minus Atoms*
BT1 Atoms
NT1 Mesic Atoms
NT2 Kaonic Atoms
NT2 Pionic Atoms
NT1 Protonium
DEF Atoms with a hadron such as an antiproton or a sigma-minus particle bound in atomic orbits.

Hadronic Clusters
DA June 14, 1978
USE Cluster Emission Model

HADRONIC PARTICLE DECAY [01]
(Particle decay due to hadronic interaction.)
DA April 28, 1978
BT1 Particle Decay
BT2 Decay
RT Strong Interactions

HADRONS [01]
DA December 1, 1974
BT1 Elementary Particles
* **NT1** Baryons
* **NT1** Mesons
NT1 Resonance Particles
NT2 Exotic Resonances
RT Centauro-Type Events
RT Charm Particles
RT CIM Model
RT Grace Particles
RT Melosh Transformation
RT Taste Particles

HAEM DEHYDROGENASES
(Code number 1.9)
DA January 12, 1981
BT1 Oxidoreductases
BT2 Enzymes
BT3 Proteins
BT4 Organic Compounds
NT1 Cytochrome Oxidase

HAEMOPHILUS [01]
DA December 1, 1974
UF *Hemophilus*
BT1 Bacteria
BT2 Microorganisms

HAFNATES [01]
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
DA December 1, 1974
BT1 Hafnium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Oxygen Compounds
RT Hafnium Oxides

HAFNIUM [01]
DA December 1, 1974
BT1 Transition Elements
BT2 Metals
BT3 Elements
NT1 Hafnium-Alpha
NT1 Hafnium-Beta
RT Refractory Metals

HAFNIUM 154 [01]
DA July 3, 1986
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Hafnium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

HAFNIUM 155 [01]
DA July 3, 1986
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hafnium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

HAFNIUM 156 [01]
DA October 23, 1979
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Hafnium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

HAFNIUM 157 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hafnium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

HAFNIUM 158 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Hafnium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

HAFNIUM 159 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hafnium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

HAFNIUM 160 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Hafnium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

HAFNIUM 161 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hafnium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

HAFNIUM 162 [01]
DA February 8, 1982
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Hafnium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

HAFNIUM 163 [01]
DA August 25, 1980
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hafnium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

HAFNIUM 164 [01]
DA February 8, 1982
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Hafnium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

HAFNIUM 165 [01]
DA July 8, 1982
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hafnium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

HAFNIUM 166 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Hafnium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

HAFNIUM 167 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hafnium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes

BT2 Radioisotopes
BT3 Isotopes

HAFNIUM 168 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Hafnium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

HAFNIUM 169 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hafnium Isotopes
BT2 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

HAFNIUM 170 [01]
DA December 1, 1974
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Hafnium Isotopes
BT2 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei

HAFNIUM 171 [01]
DA December 1, 1974
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hafnium Isotopes
BT2 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei

HAFNIUM 172 [01]
DA December 1, 1974
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Hafnium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

HAFNIUM 173 [01]
DA December 1, 1974
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hafnium Isotopes
BT2 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei

HAFNIUM 174 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Hafnium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

HAFNIUM 174 TARGET [01]
DA May 7, 1977
BT1 Targets

HAFNIUM 175 [01]
DA December 1, 1974
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hafnium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei

HAFNIUM 176 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Hafnium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

HAFNIUM 176 TARGET [01]
DA July 12, 1976
BT1 Targets

HAFNIUM 177 [01]
DA December 1, 1974
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hafnium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

HAFNIUM 177 TARGET [01]
DA July 9, 1976
BT1 Targets

HAFNIUM 178 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Hafnium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Stable Isotopes
BT2 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

HAFNIUM 178 TARGET [01]
DA July 9, 1976
BT1 Targets

HAFNIUM 179 [01]
DA December 1, 1974
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hafnium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

HAFNIUM 179 TARGET [01]
DA July 9, 1976
BT1 Targets

HAFNIUM 180 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Hafnium Isotopes
BT2 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

HAFNIUM 180 TARGET [01]
DA July 9, 1976
BT1 Targets

HAFNIUM 181 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hafnium Isotopes
BT2 Isotopes

BT1 Heavy Nuclei
BT2 Nuclei

HAFNIUM 182 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Hafnium Isotopes
BT2 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

HAFNIUM 183 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hafnium Isotopes
BT2 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

HAFNIUM 184 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Hafnium Isotopes
BT2 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

HAFNIUM 185 [01]
DA December 1, 1974
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hafnium Isotopes
BT2 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei

HAFNIUM 186 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Hafnium Isotopes
BT2 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei

HAFNIUM ADDITIONS [01]
DA December 1, 1974
BT1 Hafnium Alloys
BT2 Alloys
NT1 Astar 811C

HAFNIUM ALLOYS [01]
DA December 1, 1974
BT1 Alloys
NT1 Alloy-C-103
NT1 Alloy-Ta90W8Hf
NT2 Tantalum Alloy-T111
NT1 Hafnium Additions
NT2 Astar 811C
NT1 Hafnium Base Alloys

HAFNIUM-ALPHA [01]
DA April 4, 1975
BT1 Hafnium
BT2 Transition Elements
BT3 Metals
BT4 Elements

HAFNIUM ARSENIDES [01]
DA June 14, 1984
BT1 Arsenides
BT2 Arsenic Compounds
BT2 Pnictides
BT1 Hafnium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

HAFNIUM BASE ALLOYS [01]
DA December 1, 1974
BT1 Hafnium Alloys
BT2 Alloys

HAFNIUM-BETA [01]
DA April 4, 1975
BT1 Hafnium
BT2 Transition Elements
BT3 Metals
BT4 Elements

HAFNIUM BORIDES [01]
DA December 1, 1974
BT1 Borides
BT2 Boron Compounds
BT1 Hafnium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

HAFNIUM BROMIDES [01]
DA December 1, 1974
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Hafnium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

HAFNIUM CARBIDES [01]
DA December 1, 1974
BT1 Carbides
BT2 Carbon Compounds
BT1 Hafnium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

HAFNIUM CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Hafnium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

HAFNIUM COMPLEXES [01]
DA December 1, 1974
BT1 Transition Element Complexes
BT2 Complexes

HAFNIUM COMPOUNDS [01]
DA December 1, 1974
BT1 Refractory Metal Compounds
BT1 Transition Element Compounds
NT1 Hafnates
NT1 Hafnium Arsenides
NT1 Hafnium Borides
NT1 Hafnium Bromides
NT1 Hafnium Carbides
NT1 Hafnium Chlorides
NT1 Hafnium Fluorides
NT1 Hafnium Hydrides
NT1 Hafnium Hydroxides
NT1 Hafnium Iodides
NT1 Hafnium Nitrates
NT1 Hafnium Nitrides
NT1 Hafnium Oxides
NT1 Hafnium Perchlorates
NT1 Hafnium Phosphates
NT1 Hafnium Phosphides
NT1 Hafnium Selenides
NT1 Hafnium Silicates
NT1 Hafnium Silicides
NT1 Hafnium Sulfates
NT1 Hafnium Sulfides
NT1 Hafnium Tellurides
NT1 Hafnium Tungstates

HAFNIUM FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Hafnium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

HAFNIUM HYDRIDES [01]
DA December 1, 1974
BT1 Hafnium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Hydrides
BT2 Hydrogen Compounds

HAFNIUM HYDROXIDES [01]
DA December 1, 1974
BT1 Hafnium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds

HAFNIUM IODIDES [01]
DA December 1, 1974
BT1 Hafnium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds

HAFNIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

HAFNIUM ISOTOPES [01]
DA December 1, 1974
BT1 Isotopes
NT1 Hafnium 154
NT1 Hafnium 155
NT1 Hafnium 156
NT1 Hafnium 157
NT1 Hafnium 158
NT1 Hafnium 159
NT1 Hafnium 160
NT1 Hafnium 161
NT1 Hafnium 162
NT1 Hafnium 163
NT1 Hafnium 164
NT1 Hafnium 165
NT1 Hafnium 166
NT1 Hafnium 167
NT1 Hafnium 168
NT1 Hafnium 169
NT1 Hafnium 170
NT1 Hafnium 171
NT1 Hafnium 172
NT1 Hafnium 173
NT1 Hafnium 174
NT1 Hafnium 175
NT1 Hafnium 176
NT1 Hafnium 177
NT1 Hafnium 178
NT1 Hafnium 179
NT1 Hafnium 180
NT1 Hafnium 181
NT1 Hafnium 182
NT1 Hafnium 183
NT1 Hafnium 184
NT1 Hafnium 185
NT1 Hafnium 186

HAFNIUM NITRATES [01]
DA December 1, 1974
BT1 Hafnium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds

HAFNIUM NITRIDES [01]
DA December 1, 1974
BT1 Hafnium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides

HAFNIUM OXIDES [01]
DA December 1, 1974
BT1 Hafnium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds
RT Baddeleyite
RT Hafnates
RT Oxide Minerals

HAFNIUM PERCHLORATES [01]
DA March 4, 1980
BT1 Hafnium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Perchlorates
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Oxygen Compounds

HAFNIUM PHOSPHATES [01]
DA December 1, 1974
BT1 Hafnium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds

HAFNIUM PHOSPHIDES [01]
DA February 23, 1979
BT1 Hafnium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Phosphides
BT2 Phosphorus Compounds
BT2 Pnictides

HAFNIUM SELENIDES [01]
DA January 21, 1975
BT1 Hafnium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Selenides
BT2 Chalcogenides
BT2 Selenium Compounds

HAFNIUM SILICATES [01]
DA December 1, 1974
BT1 Hafnium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Silicates
BT2 Oxygen Compounds
BT2 Silicon Compounds

HAFNIUM SILICIDES [01]
DA January 31, 1975
BT1 Hafnium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Silicides
BT2 Silicon Compounds

HAFNIUM SULFATES [01]
DA December 1, 1974
BT1 Hafnium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds

HAFNIUM SULFIDES [01]
DA December 1, 1974
BT1 Hafnium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds

HAFNIUM TELLURIDES [01]
DA September 11, 1978
BT1 Hafnium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds

HAFNIUM TUNGSTATES [01]
DA March 3, 1978
BT1 Hafnium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Tungstates

HAIL [01]
DA December 1, 1974
BT1 Atmospheric Precipitations
RT Ice
RT Weather

HAINES PROCESS
DA January 28, 1977
BT1 Desulfurization
BT2 Chemical Reactions
DEF An adsorption process for desulfurization and sulfur recovery which uses alkali metal aluminosilicates

HAIR [01]
DA December 1, 1974
BT1 Skin
BT2 Organs
BT3 Body
RT Epilation
RT Hair Follicles
RT Melanin

HAIR FOLLICLES [01]
DA January 21, 1975
BT1 Animal Cells
BT1 Skin
BT2 Organs
BT3 Body
RT Hair

HAITI [01]
DA September 26, 1979
BT1 Developing Countries
BT1 Hispaniola
BT2 Greater Antilles
BT3 West Indies
BT4 Islands
BT1 Latin America

HAIWEEITE [01]
DA December 1, 1974
BT1 Silicate Minerals
BT2 Minerals
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials

HAIZY
(Prior to July 1985, this was a valid descriptor and older material is so indexed.)
DA March 24, 1983
USE HAIZY Cyclotron

HAIZY CYCLOTRON [01]
(Hamburg Isochronous Cyclotron)
DA July 7, 1983
UF *HAIZY*
BT1 Isochronous Cyclotrons
BT2 Cyclotrons
BT3 Cyclic Accelerators
BT4 Accelerators

Halden Heavy Boiling Water Reactor
DA December 1, 1974
USE HBWR Reactor

HALEX PROCESS [01]
DA December 1, 1974
BT1 Purex Process
BT2 Reprocessing
BT3 Separation Processes

HALF-LIFE [01]
DA December 1, 1974
UF *Halftime*
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
RT Decay
RT Ft Value
RT Geiger-Nuttall Law
RT Hours Living Radioisotopes
RT Lifetime
RT Microsec Living Radioisotopes
RT Millisec Living Radioisotopes
RT Minutes Living Radioisotopes
RT Nanosec Living Radioisotopes
RT Radioisotope Generators
RT Residence Half-Time
RT Seconds Living Radioisotopes

Half-Life (Biological)
DA December 1, 1974
USE Biological Half-Life

Half-Life (Effective)
DA December 1, 1974
USE Biological Half-Life

HALF-THICKNESS [01]
DA December 1, 1974
BT1 Thickness
BT2 Dimensions
RT Absorption
RT Radiation Protection
RT Radiation Quality
RT Shielding

HALFBEAK EVENT [01]
DA January 10, 1977
BT1 Flintlock Operation
BT2 Nuclear Explosions
BT3 Explosions
BT2 Underground Explosions
BT3 Explosions

Halftime
DA December 1, 1974
USE Half-Life

HALIDE MINERALS [01]
DA May 12, 1982
BT1 Minerals
NT1 Carnallite
NT1 Fluorite
NT1 Halite
NT1 Schroeckingerite
RT Calcium Fluorides
RT Magnesium Chlorides
RT Potassium Chlorides

HALIDES [01]
DA December 1, 1974
BT1 Halogen Compounds
NT1 Ammonium Halides
NT2 Ammonium Chlorides
NT2 Ammonium Fluorides
* **NT1** Bromides
NT1 Cadmium Halides
NT2 Cadmium Bromides
NT2 Cadmium Chlorides
NT2 Cadmium Fluorides
NT2 Cadmium Iodides
NT1 Calcium Halides
NT2 Calcium Bromides
NT2 Calcium Chlorides
NT2 Calcium Fluorides
NT2 Calcium Iodides
* **NT1** Chlorides
NT1 Copper Halides
NT2 Copper Bromides
NT2 Copper Chlorides
NT2 Copper Fluorides
NT2 Copper Iodides
* **NT1** Fluorides
NT1 Gallium Halides

NT2 Gallium Bromides
NT2 Gallium Chlorides
NT2 Gallium Fluorides
NT2 Gallium Iodides
* NT1 Iodides
NT1 Lead Halides
NT2 Lead Bromides
NT2 Lead Chlorides
NT2 Lead Fluorides
NT2 Lead Iodides
NT1 Lithium Halides
NT2 Lithium Bromides
NT2 Lithium Chlorides
NT2 Lithium Fluorides
NT2 Lithium Iodides
NT1 Manganese Halides
NT2 Manganese Bromides
NT2 Manganese Chlorides
NT2 Manganese Fluorides
NT2 Manganese Iodides
NT1 Mercury Halides
NT2 Mercury Bromides
NT2 Mercury Chlorides
NT2 Mercury Fluorides
NT2 Mercury Iodides
NT1 Rhenium Halides
NT2 Rhenium Bromides
NT2 Rhenium Chlorides
NT2 Rhenium Fluorides
NT2 Rhenium Iodides
NT1 Silicon Halides
NT2 Silicon Borides
NT2 Silicon Chlorides
NT2 Silicon Fluorides
NT2 Silicon Iodides
NT1 Tellurium Halides
NT2 Tellurium Bromides
NT2 Tellurium Chlorides
NT2 Tellurium Fluorides
NT2 Tellurium Iodides
NT1 Thallium Halides
NT2 Thallium Bromides
NT2 Thallium Chlorides
NT2 Thallium Fluorides
NT2 Thallium Iodides
NT1 Tin Halides
NT2 Tin Bromides
NT2 Tin Chlorides
NT2 Tin Fluorides
NT2 Tin Iodides
NT1 Zinc Halides
NT2 Zinc Bromides
NT2 Zinc Chlorides
NT2 Zinc Fluorides
NT2 Zinc Iodides

HALITE
DA September 23, 1985
BT1 Halide Minerals
BT2 Minerals
RT Evaporites
RT Salt Deposits
RT Sodium Chlorides

HALL EFFECT [01]
DA December 1, 1974
RT Electric Conductors
RT Ettinghausen Effect
RT Nernst Effect
RT Righi-Leduc Effect
RT Shubnikov-De Haas Effect

Hall Generators
DA December 1, 1974
USE MHD Generators

Hallam Nuclear Power Facility
DA December 1, 1974
USE HNPF Reactor

HALLEY COMET [01]
DA September 5, 1986
BT1 Comets
RT Solar System

HALLIMONDITE [01]
DA December 1, 1974
BT1 Arsenic Oxides
BT2 Arsenic Compounds
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT1 Lead Oxides
BT2 Lead Compounds
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT1 Oxide Minerals
BT2 Minerals
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
BT1 Uranium Oxides
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT2 Uranium Compounds
BT3 Actinide Compounds

HALLUCINOGENS [01]
DA December 1, 1974
BT1 Psychotropic Drugs
BT2 Central Nervous System Agents
BT3 Drugs
NT1 Bufotenine
RT Marihuana

HALOGEN COMPOUNDS [01]
(Only for inorganic compounds; see also other inorganic halogen compounds.)
DA December 1, 1974
NT1 Astatine Compounds
NT2 Astatine Bromides
NT2 Astatine Chlorides
NT2 Astatine Iodides
* NT1 Bromine Compounds
* NT1 Chlorine Compounds
* NT1 Fluorine Compounds
* NT1 Halides
* NT1 Iodine Compounds
NT1 Oxyhalides
NT2 Oxybromides
NT2 Oxychlorides
NT2 Oxyfluorides
NT2 Oxyiodides
RT Organic Halogen Compounds

HALOGENATED ALICYCLIC HYDROCARBONS
DA February 5, 1975
BT1 Organic Halogen Compounds
BT2 Organic Compounds
NT1 Brominated Alicyclic Hydrocarbons
NT1 Chlorinated Alicyclic Hydrocarbons
NT2 Lindane
NT1 Fluorinated Alicyclic Hydrocarbons
NT1 Iodinated Alicyclic Hydrocarbons

HALOGENATED ALIPHATIC HYDROCARBONS [01]
DA February 5, 1975
BT1 Organic Halogen Compounds
BT2 Organic Compounds
NT1 Brominated Aliphatic Hydrocarbons
NT2 Bromoform
NT2 Methyl Bromide
* NT1 Chlorinated Aliphatic Hydrocarbons
* NT1 Fluorinated Aliphatic Hydrocarbons
NT1 Freons
NT1 Iodinated Aliphatic Hydrocarbons
NT2 Iodoform
NT2 Methyl Iodide
RT Refrigerants

HALOGENATED AROMATIC HYDROCARBONS [01]
DA February 5, 1975
BT1 Aromatics
BT2 Organic Compounds
BT1 Organic Halogen Compounds
BT2 Organic Compounds
NT1 Brominated Aromatic Hydrocarbons
NT1 Chlorinated Aromatic Hydrocarbons
NT2 Aldrin
NT2 Polychlorinated Biphenyls
NT1 Fluorinated Aromatic Hydrocarbons
NT1 Iodinated Aromatic Hydrocarbons

HALOGENATION [01]
DA December 1, 1974
BT1 Chemical Reactions
NT1 Astatination
NT1 Bromination
NT1 Chlorination
NT2 Sulfochlorination
NT1 Fluorination
NT1 Iodination

HALOGENS [01]
DA December 1, 1974
BT1 Nonmetals
BT2 Elements
NT1 Astatine
NT1 Bromine
NT1 Chlorine
NT1 Fluorine
NT1 Iodine

HALPERN-STRUTINSKI THEORY [01]
DA December 1, 1974
RT Angular Distribution

HALTHANE
DA February 27, 1979
BT1 Adhesives
BT1 Polyurethanes
BT2 Plastics
BT3 Petrochemicals
BT4 Petroleum Products
BT3 Synthetic Materials
BT4 Materials
BT2 Polyamides
BT3 Organic Polymers
BT4 Organic Compounds
BT4 Polymers

Ham
DA December 1, 1974
USE Meat

HAMADA-JOHNSTON POTENTIAL [01]
DA December 1, 1974
BT1 Nucleon-Nucleon Potential
BT2 Potentials
RT Nuclear Models
RT Nuclear Potential

HAMAOKA-1 REACTOR [01]
(Hamaoka, Shizuoka, Japan)
DA December 1, 1974
UF *Chubu-1 Reactor*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

HAMAOKA-2 REACTOR [01]
(Hamaoka, Shizuoka, Japan)
DA December 1, 1974
UF *Chubu-2 Reactor*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

HAMAOKA-3 REACTOR [01]
(Hamaoka, Shizuoka, Japan)
DA December 1, 1974
UF *Chubu-3 Reactor*
BT1 BWR Type Reactors

BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

→**HAMAOKA-4 REACTOR [01]**
(Hamaoka, Shizuoka, Japan)
DA November 4, 1992
UF *Chubu-4 Reactor*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

Hamburg Synchrotron
DA December 1, 1974
USE DESY

HAMILTON-JACOBI EQUATIONS [01]
DA December 1, 1974
BT1 Partial Differential Equations
BT2 Differential Equations
BT3 Equations
RT Equations of Motion
RT Hamiltonian Function
RT Mechanics

Hamilton Operators
DA December 1, 1974
USE Hamiltonians

HAMILTONIAN FUNCTION [01]
DA December 1, 1974
BT1 Functions
RT Classical Mechanics
RT Equations of Motion
RT Hamilton-Jacobi Equations
RT Hamiltonians

HAMILTONIANS [01]
DA December 1, 1974
UF *Energy Operators*
UF *Hamilton Operators*
BT1 Quantum Operators
BT2 Mathematical Operators
RT Detailed Balance Principle
RT Hamiltonian Function

HAMM-UENTROP REACTOR [01]
DA April 19, 1976
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

HAMSTERS [01]
DA December 1, 1974
UF *Chinese Hamster*
UF *Cricetulus*
UF *Mesocricetus*
UF *Syrian Hamster*
BT1 Rodents
BT2 Mammals
BT3 Vertebrates
BT4 Animals

Handbooks
DA March 29, 1980
USE Manuals

HANDCAR EVENT [01]
DA December 1, 1974
BT1 Whetstone Operation
BT2 Nuclear Explosions
BT3 Explosions
BT2 Underground Explosions
BT3 Explosions

HANDICAPPED PEOPLE [01]
DA January 15, 1980
BT1 Minority Groups
BT2 Human Populations
BT3 Populations
RT Elderly People
RT Low Income Groups
RT Sociology
DEF Physically or mentally disadvantaged people.

HANDLEY EVENT [01]
DA December 1, 1974
BT1 Mandrel Operation
BT2 Nuclear Explosions
BT3 Explosions
BT2 Underground Explosions
BT3 Explosions

Handling (Data)
DA December 1, 1974
USE Data Processing

Handling (Materials)
DA December 1, 1974
USE Materials Handling

Handling (Wastes)
DA December 1, 1974
USE Waste Management

HANDS [01]
DA December 1, 1974
BT1 Limbs
BT2 Body Areas
BT3 Body
NT1 Fingers
RT Gloves
RT Manipulators

HANFORD-2 REACTOR [01]
(Name changed to Washington Public Power Supply System Nuclear Project Number 2, and current items are indexed to the abbreviated form WNP-2 REACTOR.)
DA December 1, 1974
BT1 WNP-2 Reactor
BT2 BWR Type Reactors
BT3 Enriched Uranium Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors
BT3 Thermal Reactors
BT4 Reactors
BT3 Water Cooled Reactors
BT4 Reactors
BT3 Water Moderated Reactors
BT4 Reactors

Hanford 305 Test Reactor
DA December 1, 1974
USE HEW-305 Reactor

Hanford Atomic Products Operation
DA December 1, 1974
USE HAPO

HANFORD ENGINEERING DEVELOPMENT LABORATORY [01]
DA January 15, 1980
BT1 US DOE
BT2 US Organizations
BT3 National Organizations
RT FFTF Reactor

Hanford Neutron Radiography Facility
DA January 30, 1979
USE TRIGA-1-Hanford Reactor

HANFORD PRODUCTION REACTORS [01]
DA December 1, 1974
BT1 Plutonium Production Reactors
BT2 Production Reactors
BT3 Reactors

HANFORD RESERVATION [01]
DA July 7, 1976
BT1 US DOE
BT2 US Organizations
BT3 National Organizations
BT1 US ERDA
BT2 US Organizations
BT3 National Organizations
RT Battelle Pacific Northwest Laboratories
RT HAPO
RT Neutron Source Facilities
RT Pasco Basin

Hankel Functions
DA December 1, 1974
USE Bessel Functions

HANKEL TRANSFORM [01]
DA December 1, 1974
BT1 Integral Transformations
BT2 Transformations

Hannover TRIGA-Mk-1 Reactor
DA January 28, 1975
USE TRIGA-1-Hanover Reactor

HAPLOIDY [01]
DA December 1, 1974
BT1 Ploidy
RT Gametes

HAPO [01]
DA December 1, 1974
UF *Hanford Atomic Products Operation*
BT1 US AEC
BT2 US Organizations
BT3 National Organizations
BT1 US DOE
BT2 US Organizations
BT3 National Organizations
BT1 US ERDA
BT2 US Organizations
BT3 National Organizations
RT Battelle Pacific Northwest Laboratories
RT Hanford Reservation
RT Sequim Bay

HAPTOGLOBINS [01]
DA December 1, 1974
BT1 Globulins-Alpha
BT2 Globulins
BT3 Proteins
BT4 Organic Compounds
BT1 Mucoproteins
BT2 Polysaccharides
BT3 Saccharides
BT4 Carbohydrates
BT5 Organic Compounds
BT2 Proteins
BT3 Organic Compounds

HARANG DISCONTINUITY [01]
DA December 1, 1974
UF *Midnight Discontinuity*
BT1 Auroral Oval
RT Aurorae
RT Ionosphere

HARBORS [01]
DA December 1, 1974
UF *Ports*
RT Chariot Event
RT Inland Waterways
RT Marinas
RT Moorings
RT Seas

Hard Coal
DA June 6, 1979
USE Anthracite

HARD COLLISION MODELS [01]
(Models which reduce the origin of high energy systems to a binary collision of the projectiles or some subunits thereof.)
DA April 5, 1978
BT1 Particle Models

BT2 Mathematical Models
DEF Models which reduce the origin of high systems to a binary collision of the projectiles or some subunits thereof.

HARD COMPONENT [01]
DA December 1, 1974
BT1 Cosmic Radiation
BT2 Ionizing Radiations
BT3 Radiations

HARD CORE PINCH [01]
DA December 1, 1974
BT1 Pinch Effect
RT Linear Hard Core Pinch Devices

HARD-CORE POTENTIAL [01]
DA December 1, 1974
BT1 Nuclear Potential
BT2 Potentials
RT Jastrow Theory
RT Massey-Mohr Equation
RT Nucleons

HARD FACING
DA July 5, 1978
UF *Hard Surfacing*
UF *Surfacing, Hard*
RT Cladding
RT Surface Coating

Hard Soldering
DA December 1, 1974
USE Brazing

HARD-SPHERE MODEL [01]
DA December 1, 1974
RT Gases

Hard Surfacing
DA July 5, 1978
USE Hard Facing

HARD X RADIATION [01]
DA December 1, 1974
BT1 X Radiation
BT2 Electromagnetic Radiation
BT3 Radiations
BT2 Ionizing Radiations
BT3 Radiations

HARDENING [01]
DA December 1, 1974
NT1 Age Hardening
NT1 Dispersion Hardening
NT1 Precipitation Hardening
NT1 Quench Hardening
NT1 Radiation Hardening
NT1 Strain Hardening
NT1 Surface Hardening
NT2 Carburization
RT Cold Working
RT Hardness
RT Heat Treatments

Hardening (Spectral)
DA December 1, 1974
USE Spectral Hardening

HARDHAT EVENT [01]
DA December 1, 1974
BT1 Plowshare Project

HARDNESS [01]
DA December 1, 1974
BT1 Mechanical Properties
NT1 Microhardness
RT Brinell Hardness
RT Hardening
RT Knoop Hardness
RT Rockwell Hardness
RT Vickers Hardness

HARDTACK PROJECT [01]
DA December 1, 1974
UF *Project (Hardtack)*
BT1 Nuclear Explosions
BT2 Explosions
NT1 Holly Event
NT1 Orange Event
NT1 Teak Event
RT Eniwetok

HARMONIC GENERATION [01]
DA January 14, 1986
UF *Second-Harmonic Generation*
UF *Third-Harmonic Generation*
BT1 Frequency Mixing

HARMONIC OSCILLATOR MODELS [01]
DA December 1, 1974
BT1 Mathematical Models
RT Atomic Models
RT Harmonic Oscillators
RT Nuclear Models
RT Particle Models

HARMONIC OSCILLATORS [01]
DA December 1, 1974
BT1 Oscillators
BT2 Electronic Equipment
BT3 Equipment
RT Anharmonic Oscillators
RT Equations of Motion
RT Harmonic Oscillator Models
RT Mathematics
RT Mechanics

HARMONIC POTENTIAL [01]
DA December 1, 1974
BT1 Nuclear Potential
BT2 Potentials

HARMONICA-2 DEVICE [01]
DA December 1, 1974
SF *Harmonica Devices*
BT1 Stellarators
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

Harmonica Devices
(Prior to June 1991 this was a valid descriptor.)
DA January 21, 1975
SEE Harmonica-2 Device

HARMONICS [01]
DA June 16, 1975
BT1 Oscillations
NT1 Cyclotron Harmonics
RT Lattice Vibrations
RT Mechanical Vibrations
RT Nonlinear Problems
RT Oscillation Modes
RT Plasma Waves
RT Resonance
DEF Eigenfrequency oscillations excited in a vibrating system.

HARMONIE REACTOR [01]
(CEA/CEN, Cadarache, St. Paul Lez Durance, France.)
DA December 1, 1974
BT1 Air Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Fast Reactors
BT2 Epithermal Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors

HARRIS-1 REACTOR [01]
DA December 1, 1974
UF *Shearon Harris-1 Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

HARRIS-2 REACTOR [01]
DA December 1, 1974
UF *Shearon Harris-2 Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

HARRIS-3 REACTOR [01]
DA December 1, 1974
UF *Shearon Harris-3 Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

HARRIS-4 REACTOR [01]
DA December 1, 1974
UF *Shearon Harris-4 Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

HARRY EVENT [01]
DA July 6, 1981
BT1 Atmospheric Explosions
BT2 Explosions
BT1 Upshot Project
BT2 Nuclear Explosions
BT3 Explosions

HARTLEPOOL REACTOR [01]
(Hartlepool, Durham, UK)
DA December 1, 1974
BT1 AGR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 GCR Type Reactors
BT3 Gas Cooled Reactors
BT4 Reactors
BT3 Graphite Moderated Reactors
BT4 Reactors
BT1 Carbon Dioxide Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

HARTMANN NUMBER [01]
DA December 1, 1974
RT Fluid Flow
RT Magnetohydrodynamics

Hartree Approximation
DA December 1, 1974
USE Hartree-Fock Method

HARTREE-FOCK-BOGOLYUBOV THEORY [01]
DA February 20, 1975
RT Bogolyubov Transformation
RT Boson Expansion
RT Hartree-Fock Method
RT Nuclear Models
RT Nuclear Structure
RT Self-Consistent Field

HARTREE-FOCK METHOD [01]
DA December 1, 1974
UF *Fock Method*
UF *Fock Self-Consistent Field*
UF *Hartree Approximation*
BT1 Calculation Methods
RT Atomic Models
RT Electronic Structure
RT Hartree-Fock-Bogolyubov Theory
RT Nuclear Models
RT Nuclear Structure
RT Self-Consistent Field

HARTSVILLE-1 REACTOR [01]
(Hartsville, Tennessee, USA)
DA January 23, 1975
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
RT GE Standard Reactor

HARTSVILLE-2 REACTOR [01]
(Hartsville, Tennessee, USA)
DA January 23, 1975
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
RT GE Standard Reactor

HARTSVILLE-3 REACTOR [01]
(Hartsville, Tennessee, USA)
DA January 23, 1975
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
RT GE Standard Reactor

HARTSVILLE-4 REACTOR [01]
(Hartsville, Tennessee, USA)
DA January 23, 1975
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
RT GE Standard Reactor

HARVARD SYNCHROCYCLOTRON [01]
DA December 1, 1974
BT1 Synchrocyclotrons
BT2 Cyclic Accelerators
BT3 Accelerators

HARVEST PROCESS
DA January 10, 1977
BT1 Radioactive Waste Processing
BT2 Radioactive Waste Management
BT3 Waste Management
BT4 Management
BT2 Waste Processing
BT3 Processing
BT3 Waste Management
BT4 Management
RT Fuel Cycle
RT Nuclear Materials Management
RT Radioactive Waste Storage
RT Solidification
RT Vitrification
DEF Developed by UKAEA and British Nuclear Fuels Ltd.; fission products are reduced to solid oxides, fused into a glass, then stored in metal flasks under water.

HARVESTING [01]
DA September 14, 1976
RT Agriculture
RT Biomass
RT Crops
RT Horticulture
RT Silviculture
RT Wood

HARVESTING EQUIPMENT
DA October 23, 1979
BT1 Equipment
RT Farm Equipment
RT Forestry
RT Wood Products Industry

Harwell Pluto Reactor
DA December 1, 1974
USE Pluto Reactor

HARWELL SYNCHROCYCLOTRON [01]
DA December 1, 1974
BT1 Synchrocyclotrons
BT2 Cyclic Accelerators
BT3 Accelerators

Harwell Synchrotron
DA December 1, 1974
USE Nimrod

HASTELLOY B
DA December 1, 1974
BT1 Alloy-Ni65Mo28Fe5
BT2 Chromium Additions
BT3 Chromium Alloys
BT4 Alloys
BT2 Cobalt Alloys
BT3 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Hastelloys
BT3 Nickel Base Alloys
BT4 Nickel Alloys
BT5 Alloys
BT2 Vanadium Additions
BT3 Vanadium Alloys
BT4 Alloys

HASTELLOY C
DA December 1, 1974
BT1 Alloy-Ni54Mo17Cr16Fe6W4
BT2 Chromium Alloys
BT3 Alloys
BT2 Cobalt Alloys
BT3 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Hastelloys
BT3 Nickel Base Alloys
BT4 Nickel Alloys
BT5 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Iron Alloys
BT3 Alloys
BT2 Molybdenum Alloys
BT3 Alloys
BT2 Tungsten Alloys
BT3 Alloys
BT2 Vanadium Additions
BT3 Vanadium Alloys
BT4 Alloys

Hastelloy C-4
DA January 30, 1979
USE Hastelloys

Hastelloy C-276
DA January 30, 1979
USE Hastelloys

HASTELLOY F
DA December 1, 1974
BT1 Hastelloys
BT2 Nickel Base Alloys
BT3 Nickel Alloys
BT4 Alloys

HASTELLOY N
DA February 6, 1975
BT1 Alloy-Ni70Mo17Cr7Fe5
BT2 Aluminium Additions
BT3 Aluminium Alloys
BT4 Alloys
BT2 Chromium Alloys
BT3 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Hastelloys
BT3 Nickel Base Alloys
BT4 Nickel Alloys
BT5 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Iron Alloys
BT3 Alloys
BT2 Molybdenum Alloys
BT3 Alloys
BT2 Titanium Additions
BT3 Titanium Alloys
BT4 Alloys

HASTELLOY S
DA August 9, 1979
BT1 Alloy-Ni62Cr16Mo15Fe3
BT2 Aluminium Additions
BT3 Aluminium Alloys
BT4 Alloys
BT2 Boron Additions
BT3 Boron Alloys
BT4 Alloys
BT2 Chromium Alloys
BT3 Alloys
BT2 Cobalt Additions
BT3 Cobalt Alloys
BT4 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Hastelloys
BT3 Nickel Base Alloys
BT4 Nickel Alloys
BT5 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Iron Alloys
BT3 Alloys
BT2 Molybdenum Alloys
BT3 Alloys
BT2 Tungsten Additions
BT3 Tungsten Alloys
BT4 Alloys
BT2 Vanadium Additions
BT3 Vanadium Alloys
BT4 Alloys

HASTELLOY X
DA December 1, 1974
BT1 Alloy-Ni49Cr22Fe18Mo9
BT2 Chromium Alloys
BT3 Alloys
BT2 Cobalt Alloys
BT3 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Hastelloys
BT3 Nickel Base Alloys
BT4 Nickel Alloys
BT5 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials

BT2 Iron Alloys
BT3 Alloys
BT2 Molybdenum Alloys
BT3 Alloys
BT2 Tungsten Additions
BT3 Tungsten Alloys
BT4 Alloys

HASTELLOY XR
DA February 23, 1982
BT1 Alloy-Ni50Cr22Fe18Mo9
BT2 Chromium Alloys
BT3 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Hastelloys
BT3 Nickel Base Alloys
BT4 Nickel Alloys
BT5 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Iron Alloys
BT3 Alloys
BT2 Molybdenum Alloys
BT3 Alloys
BT2 Tungsten Additions
BT3 Tungsten Alloys
BT4 Alloys

HASTELLOYS [01]
DA December 1, 1974
UF *Hastelloy C-4*
UF *Hastelloy C-276*
BT1 Nickel Base Alloys
BT2 Nickel Alloys
BT3 Alloys
NT1 Alloy-Ni49Cr22Fe18Mo9
NT2 Hastelloy X
NT1 Alloy-Ni50Cr22Fe18Mo9
NT2 Hastelloy XR
NT1 Alloy-Ni54Mo17Cr16Fe6W4
NT2 Hastelloy C
NT1 Alloy-Ni62Cr16Mo15Fe3
NT2 Hastelloy S
NT1 Alloy-Ni65Mo28Fe5
NT2 Hastelloy B
NT1 Alloy-Ni70Mo17Cr7Fe5
NT2 Hastelloy N
NT2 Inor-8
NT1 Hastelloy F
RT Corrosion Resistant Alloys

HATCH-1 REACTOR [01]
(Baxley, Georgia, USA)
DA December 1, 1974
UF *Edwin I. Hatch-1 Reactor*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

HATCH-2 REACTOR [01]
DA December 1, 1974
UF *Edwin I. Hatch-2 Reactor*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

HATCHETTOLITE [01]
DA December 1, 1974
BT1 Oxide Minerals
BT2 Minerals
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
RT Niobium Oxides
RT Tantalum Oxides
RT Uranium Oxides

HATCHING [01]
DA October 28, 1975
RT Eggs

HATCHOBARU GEOTHERMAL FIELD [01]
DA January 31, 1977
BT1 Geothermal Fields
RT Japan

HAULAGE EQUIPMENT
DA April 17, 1981
BT1 Materials Handling Equipment
BT2 Equipment
NT1 Conveyors
NT2 Belt Conveyors
NT2 Chain Conveyors
NT1 Loaders
NT2 Cutter Loaders
NT3 Coal Plows
NT3 Continuous Miners
NT3 Heading Machines
NT3 Shearer Loaders
NT1 Mine Cars
RT Materials Handling
RT Mine Haulage
RT Mining Equipment

HAUSDORFF SPACE [01]
DA June 16, 1975
BT1 Mathematical Space
BT2 Space

HAUSER-FESHBACH THEORY [01]
DA December 1, 1974
BT1 Nuclear Theory
RT Compound Nuclei
RT Inelastic Scattering
RT Nuclear Reactions

HAVAR
DA April 8, 1975
BT1 Alloy-Co43Cr20Fe18Ni13W3
BT2 Carbon Additions
BT3 Alloys
BT2 Chromium Alloys
BT3 Alloys
BT2 Cobalt Base Alloys
BT3 Cobalt Alloys
BT4 Alloys
BT2 Iron Alloys
BT3 Alloys
BT2 Manganese Alloys
BT3 Alloys
BT2 Molybdenum Alloys
BT3 Alloys
BT2 Nickel Alloys
BT3 Alloys
BT2 Tungsten Alloys
BT3 Alloys
BT1 Beryllium Alloys
BT2 Alloys
BT1 Carbon Additions
BT2 Alloys
BT1 Chromium Base Alloys
BT2 Chromium Alloys
BT3 Alloys
BT1 Iron Alloys
BT2 Alloys
BT1 Manganese Alloys
BT2 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Nickel Alloys
BT2 Alloys
BT1 Tungsten Alloys
BT2 Alloys

HAVEN-1 REACTOR [01]
(Prior to July, 1978 known as KOSHKONONG-1 REACTOR and older material is so indexed.)
DA June 14, 1978
UF *WUP-1 Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

HAVEN-2 REACTOR [01]
(Prior to July, 1978 known as KOSHKONONG-2 REACTOR and older material is so indexed.)
DA June 14, 1978
UF *WUP-2 Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

HAWAII [01]
DA December 1, 1974
BT1 USA
BT2 Developed Countries
BT2 North America
RT Kilauea Volcano
RT Pacific Ocean

HAYNES 25 ALLOY
DA December 1, 1974
BT1 Alloy-Co54Cr20W15Ni10
BT2 Chromium Alloys
BT3 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Haynes Alloys
BT3 Cobalt Base Alloys
BT4 Cobalt Alloys
BT5 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Iron Alloys
BT3 Alloys
BT2 Nickel Alloys
BT3 Alloys
BT2 Stellite
BT3 Cobalt Base Alloys
BT4 Cobalt Alloys
BT5 Alloys
BT2 Tungsten Alloys
BT3 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Iron Alloys
BT2 Alloys
BT1 Nickel Alloys
BT2 Alloys
BT1 Tungsten Alloys
BT2 Alloys

HAYNES 188 ALLOY
DA December 1, 1974
BT1 Alloy-Co36Cr22Ni22W15Fe3
BT2 Chromium Alloys
BT3 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Haynes Alloys
BT3 Cobalt Base Alloys
BT4 Cobalt Alloys
BT5 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Iron Alloys
BT3 Alloys
BT2 Lanthanum Additions
BT3 Lanthanum Alloys
BT4 Rare Earth Alloys
BT5 Alloys
BT3 Rare Earth Additions
BT4 Rare Earth Alloys
BT5 Alloys
BT2 Nickel Alloys

BT3 Alloys
BT2 Tungsten Alloys
BT3 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Iron Alloys
BT2 Alloys
BT1 Nickel Base Alloys
BT2 Nickel Alloys
BT3 Alloys

HAYNES ALLOYS [01]
DA December 1, 1974
BT1 Cobalt Base Alloys
BT2 Cobalt Alloys
BT3 Alloys
NT1 Alloy-Co36Cr22Ni22W15Fe3
NT2 Haynes 188 Alloy
NT1 Alloy-Co54Cr20W15Ni10
NT2 Alloy-HS-25
NT2 Haynes 25 Alloy
NT1 Alloy-Co60Cr30W4
NT2 Haynes Stellite 6B
NT2 Stellite 6
NT1 Alloy-Co62Cr28Mo6Ni3
NT2 Alloy-HS-21
NT2 Haynes Stellite No 21

HAYNES STELLITE 6B
DA December 1, 1974
BT1 Alloy-Co60Cr30W4
BT2 Chromium Alloys
BT3 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Haynes Alloys
BT3 Cobalt Base Alloys
BT4 Cobalt Alloys
BT5 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Iron Alloys
BT3 Alloys
BT2 Nickel Alloys
BT3 Alloys
BT2 Stellite
BT3 Cobalt Base Alloys
BT4 Cobalt Alloys
BT5 Alloys
BT2 Tungsten Alloys
BT3 Alloys

HAYNES STELLITE NO 21
DA January 21, 1975
BT1 Alloy-Co62Cr28Mo6Ni3
BT2 Boron Additions
BT3 Boron Alloys
BT4 Alloys
BT2 Chromium Alloys
BT3 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Haynes Alloys
BT3 Cobalt Base Alloys
BT4 Cobalt Alloys
BT5 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Iron Alloys
BT3 Alloys
BT2 Molybdenum Alloys
BT3 Alloys
BT2 Nickel Alloys
BT3 Alloys
BT2 Stellite
BT3 Cobalt Base Alloys
BT4 Cobalt Alloys
BT5 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Iron Alloys
BT2 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Nickel Alloys
BT2 Alloys

HAYWOOD MODEL [01]
DA December 1, 1974
RT Neutrons
RT Scattering
RT Transport Theory

HAZ
DA May 23, 1984
USE Heat Affected Zone

HAZARDOUS MATERIALS [01]
(Not for radioactive materials.)
DA January 10, 1977
UF *Poisons (Chemical)*
BT1 Materials
NT1 Toxic Materials
NT2 Toxins
NT3 Aflatoxins
NT3 Endotoxins
RT Chemical Wastes
RT Environmental Exposure
RT Nonradioactive Wastes
RT Toxic Substances Control Acts
RT Toxins
RT US Superfund
RT Waste Management

HAZARDOUS MATERIALS SPILLS [01]
DA January 15, 1980
RT Chemical Spills
RT Gas Spills
RT Oil Spills
RT Pollution

HAZARDS [01]
DA December 1, 1974
UF *Risks*
UF+ *Global Risk*
UF+ *Nuclear Controversy*
NT1 Fire Hazards
NT1 Health Hazards
NT2 Radiation Hazards
RT Accidents
RT Damage
RT Excursions
RT Failures
RT Fires
RT Human Factors Engineering
RT Insurance
RT Liabilities
RT Pressure Release
RT Reliability
RT Rock Bursts
RT Sabotage
RT Safety
RT Safety Engineering
RT Safety Showers
RT Workmens Compensation

HAZEN PROCESS
DA April 27, 1978
UF *Magnex Process*
BT1 Desulfurization
BT2 Chemical Reactions
RT Coal Preparation
DEF Totally dry chemical coal cleaning process in which the mineral component in pulverized coal is reacted with gaseous iron pentacarbonyl (toxic) which makes mineral sulfur and other mineral components strongly magnetic, so they can be separated by dry magnetic separation methods

HB Robinson-2
DA December 1, 1974
USE Robinson-2 Reactor

HBTX DEVICES [01]
DA April 15, 1975
BT1 Toroidal Screw Pinch Devices
BT2 Toroidal Pinch Devices
BT3 Closed Plasma Devices
BT4 Thermonuclear Devices
BT3 Pinch Devices
BT4 Thermonuclear Devices
RT United Kingdom

HBWR REACTOR [01]
DA December 1, 1974
UF *Halden Heavy Boiling Water Reactor*
BT1 BHWR Type Reactors
BT2 Heavy Water Cooled Reactors
BT3 Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Experimental Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

HCDA
DA March 7, 1983
USE Reactor Core Disruption

HCG [01]
DA December 1, 1974
UF *Human Chorionic Gonadotropin*
BT1 Gonadotropins
BT2 Pituitary Hormones
BT3 Peptide Hormones
BT4 Hormones
BT4 Proteins
BT5 Organic Compounds
RT Gonads

HCLWR TYPE REACTORS [01]
(High Conversion Light Water Reactors.)
DA December 2, 1988
BT1 Plutonium Reactors
BT2 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors

HCP LATTICES [01]
DA December 1, 1974
UF *Hexagonal Close Packed*
BT1 Hexagonal Lattices
BT2 Crystal Lattices
BT3 Crystal Structure

HD-556
DA August 9, 1979
USE Alloy-Fe31Cr21Co20Ni20Mo3W2

HD 8077
DA August 9, 1979
USE Nickel Base Alloys

HDEHP [01]
DA December 1, 1974
UF *Bis(2-ethylhexyl)phosphoric Acid*
UF *Di-2-Ethylhexylphosphonic Acid*
SF *DEHPA*
BT1 Phosphoric Acid Esters
BT2 Esters
BT3 Organic Compounds
BT2 Organic Phosphorus Compounds
BT3 Organic Compounds

HDO
DA December 1, 1974
USE Deuterium Compounds
AND Heavy Water

HDR REACTOR [01]
DA December 1, 1974
UF *Grosswelzheim HDR Reactor*
UF *Heissdampfreaktoranlage*
UF *Kahl-Main Reactor*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors

BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Experimental Reactors
BT2 Research and Test Reactors
BT3 Reactors

HE-3 COUNTERS [01]
DA December 1, 1974
BT1 Neutron Detectors
BT2 Radiation Detectors
BT3 Measuring Instruments
BT1 Proportional Counters
BT2 Radiation Detectors
BT3 Measuring Instruments

HE Method
DA February 11, 1980
USE Heat Exchanger Method

HEAD [01]
DA December 1, 1974
BT1 Body Areas
BT2 Body
NT1 Face
NT2 Eyes
NT3 Conjunctiva
NT3 Cornea
NT3 Crystalline Lens
NT3 Lacrimal Ducts
NT3 Retina
NT3 Uvea
NT2 Nose
RT Brain
RT Carotid Arteries
RT Oral Cavity
RT Sense Organs
RT Skull

HEAD END PROCESSES [01]
DA December 1, 1974
NT1 Decladding
NT2 Chemical Decladding
NT2 Mechanical Decladding
NT1 Voloxidation Process
RT Reprocessing

HEADING MACHINES
DA June 14, 1978
BT1 Cutter Loaders
BT2 Cutting Machines
BT3 Mining Equipment
BT4 Equipment
BT2 Loaders
BT3 Haulage Equipment
BT4 Materials Handling Equipment
BT5 Equipment
RT Coal Mines
RT Mining

HEALING [01]
DA December 1, 1974
BT1 Biological Recovery
RT Cell Division
RT Wounds

HEALTH HAZARDS [01]
DA December 1, 1974
BT1 Hazards
NT1 Radiation Hazards
RT Drug Abuse
RT First Aid
RT Injuries
RT Maximum Credible Accident
RT Occupational Safety
RT Preventive Medicine
RT Public Health
RT Quarantine
RT Radiation Protection
RT Radicidation
RT Safety
RT US Occupational Safety and Health Act

Health Insurance
DA October 9, 1990
USE Insurance

Health Physics
DA December 1, 1974
USE Radiation Protection

Health Physics Research Reactor
DA December 1, 1974
USE HPRR Reactor

HEALTH SERVICES
DA October 23, 1978
BT1 Social Services
RT Hospitals
RT Human Populations
RT Medical Establishments
RT Social Impact
RT Socio-Economic Factors

HEARINGS [01]
DA February 19, 1975
UF *Congressional Hearings*
BT1 Document Types
RT Administrative Procedures
RT Arbitration
RT Courts
RT Dispute Settlements
RT Lawsuits
RT Legislation
RT Licensing Procedures
RT Mediation
RT Meetings

HEART [01]
DA December 1, 1974
BT1 Cardiovascular System
BT1 Organs
BT2 Body
NT1 Myocardium
NT1 Pericardium
RT Aorta
RT Blood Circulation
RT Cardiac Pacemakers
RT Cardiography
RT Cardiotonics
RT Cardiovascular Agents
RT Chest
RT Coronaries
RT Electrocardiograms
RT Mechanical Heart
RT Mediastinum

Heart Disease
DA January 30, 1981
USE Cardiovascular Diseases

HEART FAILURE [01]
DA July 7, 1976
BT1 Symptoms
RT Biological Stress
RT Coronaries

HEAT [01]
DA April 21, 1975
BT1 Energy
NT1 Absorption Heat
NT1 Combustion Heat
NT1 Process Heat
NT2 Geothermal Process Heat
NT2 Solar Process Heat
NT1 Waste Heat
RT Air Heaters
RT Energy Recovery
RT Heat Recovery
RT Heat Transfer
RT Heaters
RT Heating
RT Heating Load

HEAT AFFECTED ZONE [01]
DA December 1, 1974
UF *HAZ*
BT1 Zones
RT Welding

Heat Capacity
DA December 1, 1974
USE Specific Heat

Heat Dissipation
DA December 1, 1974
SEE Diffusion
OR Environmental Transport
OR Heat Transfer
OR Thermal Effluents

HEAT DISTRIBUTION SYSTEMS
DA May 13, 1976
UF *Underground Heat Distribution Systems*
BT1 Energy Systems
RT District Heating

Heat Effects
DA October 28, 1975
USE Temperature Dependence

HEAT ENGINES [01]
DA September 11, 1975
BT1 Engines
NT1 Internal Combustion Engines
NT2 Diesel Engines
NT2 Dual-Fuel Engines
NT2 Gas Turbine Engines
NT2 Ramjet Engines
NT2 Rotary Engines
NT3 Wankel Engines
NT2 Spark Ignition Engines
NT3 Wankel Engines
NT2 Stratified Charge Engines
NT2 Turbofan Engines
NT2 Turbojet Engines
NT1 Nitinol Heat Engines
NT1 Rankine Cycle Engines
NT1 Solar Heat Engines
NT1 Stirling Engines
RT Solar-Assisted Power Systems
RT Thermodynamic Cycles
DEF A machine that converts heat into work (mechanical energy).

HEAT EXCHANGER METHOD
DA February 11, 1980
UF *HE Method*
UF *Schmid-Vicchnicki Technique*
BT1 Crystal Growth Methods
RT Crystal Growth
RT Monocrystals
DEF Crystal growth method which utilizes directional solidification from the melt where the temperature gradient in the solid is controlled by a heat exchanger.

HEAT EXCHANGERS [01]
DA December 1, 1974
UF *Coolers*
NT1 Direct Contact Heat Exchangers
NT1 Fluidized Bed Heat Exchangers
NT1 In-Vessel Heat Exchangers
NT1 Radiators
RT Cooling
RT Cooling Towers
RT Evaporators
RT Heat Pumps
RT Heat Recovery Equipment
RT Heat Transfer
RT Heating
RT Isolation Condensers
RT Mechanical Draft Cooling Towers
RT Natural Draft Cooling Towers
RT Reactor Components
RT Reactor Cooling Systems
RT Steam Condensers
RT Steam Generators
RT Working Fluids

HEAT EXTRACTION
DA August 19, 1975
UF *Extraction (Heat)*
RT Heat Recovery Equipment
RT Heat Transfer

HEAT FLOW
DA January 28, 1975
UF *Flow (Heat)*
RT Geothermal Gradients
RT Heat Transfer
RT R Factors
RT Thermal Conduction
DEF Thermal gradient x thermal conductivity - $\mu cal/cm^2 sec$.

HEAT FLUX [01]
DA April 12, 1977
NT1 Critical Heat Flux
RT Burnout
RT Dryout
RT Heat Transfer

HEAT GAIN
DA February 23, 1979
RT Cooling Load
RT Direct Gain Systems
RT Heat Losses
RT Heat Transfer
RT Heating Load
RT Solar Fraction

HEAT LOSSES
DA August 19, 1975
BT1 Energy Losses
BT2 Losses
RT Dissipation Factor
RT Heat Gain
RT Heat Recovery Equipment
RT Heat Transfer
RT Infrared Thermography

HEAT METERS
DA October 24, 1981
UF *BTU Meters*
BT1 Meters
BT2 Measuring Instruments
DEF A device to measure the energy flow into or out of a working fluid passing through a thermal system.

HEAT MIRRORS
DA February 23, 1979
BT1 Mirrors
RT Coatings
RT Films
RT Glazing Materials
RT Reflective Coatings
RT Solar Control Films
RT Thermal Insulation
RT Windows
DEF Thin, transparent optical films which are reflective to long-wave infrared radiation.

Heat of Absorption
DA December 1, 1974
USE Absorption Heat

Heat of Adsorption
DA December 1, 1974
USE Adsorption Heat

Heat of Combustion
DA December 1, 1974
USE Combustion Heat

Heat of Dissociation
DA December 1, 1974
USE Dissociation Heat

Heat of Formation
DA December 1, 1974
USE Formation Heat

Heat of Fusion
DA December 1, 1974
USE Fusion Heat

Heat of Mixing
DA December 1, 1974
USE Mixing Heat

Heat of Reaction
DA December 1, 1974
USE Reaction Heat

Heat of Solution
DA December 1, 1974
USE Solution Heat

Heat of Sublimation
DA December 1, 1974
USE Sublimation Heat

Heat of Transition
DA December 1, 1974
USE Transition Heat

Heat of Vaporization
DA December 1, 1974
USE Vaporization Heat

Heat Of Wetting
DA November 8, 1984
USE Wetting Heat

HEAT PIPE WICKS [01]
DA July 7, 1976
RT Capillary Flow
RT Heat Pipes

HEAT PIPES [01]
DA December 1, 1974
UF *Chemical Heat Pipes*
RT Capillary Flow
RT Heat Pipe Wicks
RT Heat Transfer
RT Pipes

HEAT PUMPS [01]
DA January 21, 1975
NT1 Air Source Heat Pumps
NT1 Chemical Heat Pumps
NT1 Gas Heat Pumps
NT1 Ground Source Heat Pumps
NT1 Solar-Assisted Heat Pumps
NT1 Water Source Heat Pumps
RT Coefficient of Performance
RT Cooling
RT Electric Heating
RT Heat Exchangers
RT Heat Transfer
RT Heating
RT Pumps
RT Refrigeration

HEAT RATE [01]
DA July 25, 1986
RT Performance
RT Thermal Power Plants
DEF An expression of the conversion efficiency of a thermal power plant or engine, as heat input per unit of work output; for example, Btu/kWhr.

HEAT RECOVERY [01]
DA February 19, 1975
BT1 Energy Recovery
RT Cold Recovery
RT Heat
RT Heat Recovery Equipment
RT Heat Transfer
RT Waste Heat Utilization

HEAT RECOVERY EQUIPMENT [01]
DA June 2, 1977
BT1 Equipment
RT EAST Facility
RT Heat Exchangers
RT Heat Extraction
RT Heat Losses
RT Heat Recovery
RT Waste Heat Boilers

HEAT RESISTANT MATERIALS
DA November 14, 1978
BT1 Materials
* NT1 Heat Resisting Alloys
RT Refractories

HEAT RESISTING ALLOYS [01]
DA December 1, 1974
UF *Superalloys*
BT1 Alloys
BT1 Heat Resistant Materials
BT2 Materials
NT1 Alloy-Co36Cr22Ni22W15Fe3
NT2 Haynes 188 Alloy
NT1 Alloy-Co52Cr17Fe15Mo3Si3
NT2 Tribaloy 800
NT1 Alloy-Co54Cr20W15Ni10
NT2 Alloy-HS-25
NT2 Haynes 25 Alloy
NT1 Alloy-Co60Cr30W4
NT2 Haynes Stellite 6B
NT2 Stellite 6
NT1 Alloy-Co62Cr28Mo6Ni3
NT2 Alloy-HS-21
NT2 Haynes Stellite No 21
NT1 Alloy-Co64Cr29W4
NT2 Stellite 156
NT1 Alloy-Co66Cr26W6
NT2 Deloro Stellite 6
NT1 Alloy-D-979
NT1 Alloy-Fe31Cr21Co20Ni20Mo3W2
NT2 Alloy-HD-556
NT2 Alloy-N-155
NT1 Alloy-Fe44Ni33Cr21
NT2 Incoloy 800H
NT1 Alloy-Fe46Ni33Cr21
NT2 Incoloy 800
NT2 Incoloy 802
NT2 Sanicro 30
NT1 Alloy-Fe48Cr24Ni24
NT2 Alloy-IN-519
NT1 Alloy-Mo99
NT2 Alloy-TZM
NT2 Alloy-Zm-2A
NT1 Alloy-N-9M
NT1 Alloy-N-10M
NT1 Alloy-Nb94Mo4
NT1 Alloy-Ni41Fe40Cr16Nb3
NT2 Inconel 706
NT1 Alloy-Ni42Fe36Cr12Mo6Ti3
NT2 Incoloy 901
NT1 Alloy-Ni43Fe30Cr22Mo3
NT2 Incoloy 825
NT1 Alloy-Ni43Fe33Cr16Mo3
NT2 Nimonic PE16
NT1 Alloy-Ni45Cr23Fe19Co3Mo3W3
NT1 Alloy-Ni46Cr23Co19Ti5Al4
NT2 Alloy-IN-939
NT1 Alloy-Ni47Cr25Co12W9Fe3
NT2 Alloy-IN-643
NT2 Inconel 643
NT1 Alloy-Ni48Co28Cr15Al3Mo3Ti2
NT2 Inconel 700
NT1 Alloy-Ni48Cr22Fe18Mo9
NT2 Nimonic PE13
NT1 Alloy-Ni49Cr22Fe18Mo9
NT2 Hastelloy X
NT1 Alloy-Ni50Co20Cr15Al5Mo5
NT2 Nimonic 105
NT1 Alloy-Ni50Cr22Fe18Mo9
NT2 Hastelloy XR
NT1 Alloy-Ni50Mo32Cr15Si3
NT2 Tribaloy 700
NT1 Alloy-Ni51Cr48
NT2 Inconel 671
NT1 Alloy-Ni53Co19Cr15Mo5Al4Ti3
NT2 Udimet 700
NT1 Alloy-Ni53Cr19Fe19Nb5Mo3
NT2 Inconel 718
NT1 Alloy-Ni54Cr22Co13Mo9
NT2 Inconel 617
NT1 Alloy-Ni54Mo17Cr16Fe6W4
NT2 Hastelloy C
NT1 Alloy-Ni55Cr19Co11Mo10Ti3
NT2 Rene 41
NT1 Alloy-Ni56Cr21W10Mo5Fe4Al2
NT1 Alloy-Ni58Cr14Co8Al4Mo4Nb4W4
NT2 Rene 95
NT1 Alloy-Ni58Cr20Co14Mo4Ti3
NT2 Waspaloy
NT1 Alloy-Ni59Cr20Co17Ti2
NT2 Nimonic 90
NT1 Alloy-Ni59Cr30Fe9
NT2 Inconel 690
NT1 Alloy-Ni60Co15Cr10Al6Ti5Mo3
NT2 Alloy-IN-100
NT1 Alloy-Ni60Cr14Co10Ti5Mo4W4Al3
NT2 Rene 80
NT1 Alloy-Ni60Cr25W15
NT1 Alloy-Ni60Fe24Cr16
NT2 Nichrome
NT1 Alloy-Ni60Mo13Co9Cr8Nb4Al3
NT1 Alloy-Ni61Cr16Co9Al3Ti3W3
NT2 Alloy-IN-738
NT1 Alloy-Ni61Cr22Mo9Nb4Fe3
NT2 Inconel 625
NT1 Alloy-Ni62Cr16Mo15Fe3
NT2 Hastelloy S
NT1 Alloy-Ni65Cr25Mo10
NT2 Nimonic 86
NT1 Alloy-Ni65Mo16Cr15W4
NT1 Alloy-Ni67Cr19Mo5W5Ti3
NT1 Alloy-Ni68Cr15W6Al3Mo3Fe2
NT1 Alloy-Ni70Mo17Cr7Fe5
NT2 Hastelloy N
NT2 Inor-8
NT1 Alloy-Ni73Cr15Fe7Ti3
NT2 Inconel X750
NT1 Alloy-Ni73Cr20Mn3Nb3
NT2 Inconel 82
NT1 Alloy-Ni74Cr13Al6Mo4

NT2 Inconel 713C
NT1 Alloy-Ni75Cr12Al6Mo5
NT2 Inconel 713LC
NT1 Alloy-Ni76Cr15Fe8
NT2 Inconel 600
NT1 Alloy-Ni76Cr20Ti2
NT2 Nimonic 80A
NT1 Alloy-Ni77Cr17Al5
NT1 Alloy-Ni77Cr20Ti2
NT1 Alloy-Ni78Cr16Al4
NT2 Inconel 702
NT1 Alloy-NT25A5
NT1 Alloy-S-590
NT1 Alloy-S-816
NT1 Alloy-V-36
NT1 Alloy-Zr97Nb3
NT1 Alloy-Zr98Sn-2
NT2 Zircaloy 2
NT1 Alloy-Zr98Sn-4
NT2 Zircaloy 4
NT1 Enduro
NT1 Refractaloy
NT1 Rene 41
NT1 Rene 95
NT1 Rezistal
NT1 Steel-Cr2MoNiNb
NT1 Steel-Cr2MoV
NT1 Steel-Cr12
NT2 Stainless Steel-403
NT1 Steel-Cr12MoNiV
NT1 Steel-Cr12MoV
NT2 Alloy-HT-9
NT1 Steel-Cr13
NT2 Stainless Steel-410
NT1 Steel-Cr13Al
NT2 Stainless Steel-405
NT1 Steel-Cr13Ni6Mo-L
NT1 Steel-Cr15Ni15MoTiB
NT1 Steel-Cr16
NT2 Stainless Steel-430
NT1 Steel-Cr16Ni
NT2 Stainless Steel-431
NT1 Steel-Cr16Ni8Mo2
NT1 Steel-Cr16Ni13MoNbV
NT1 Steel-Cr16Ni15Mo3Nb
NT1 Steel-Cr16Ni16MoNb
NT1 Steel-Cr17Cu4Ni4Nb-L
NT1 Steel-Cr17Mo
NT2 Stainless Steel-440
NT1 Steel-Cr17Ni4Cu4Nb-L
NT1 Steel-Cr17Ni4Mo3
NT2 Stainless Steel-AM-350
NT1 Steel-Cr17Ni12Mo3
NT2 Stainless Steel-316
NT1 Steel-Cr17Ni12Mo3-L
NT2 Stainless Steel-316L
NT1 Steel-Cr17Ni12MoNb
NT1 Steel-Cr17Ni13
NT1 Steel-Cr17Ni13Mo2Ti
NT1 Steel-Cr17Ni13Mo3Ti
NT1 Steel-Cr18Ni8
NT2 Stainless Steel-18-8
NT1 Steel-Cr18Ni9
NT2 Stainless Steel-302
NT1 Steel-Cr18Ni9Ti
NT1 Steel-Cr18Ni10
NT2 Stainless Steel-18-10
NT1 Steel-Cr18Ni10-L
NT2 Stainless Steel-Z2CN18-10
NT1 Steel-Cr18Ni10Ti
NT2 Stainless Steel-321
NT1 Steel-Cr18Ni11
NT2 Steel-X6CrNi1811
NT1 Steel-Cr18Ni11Nb
NT2 Stainless Steel-347
NT1 Steel-Cr18Ni11NbCo
NT2 Stainless Steel-348
NT1 Steel-Cr18Ni12
NT2 Stainless Steel-305
NT1 Steel-Cr18Ni12Ti
NT1 Steel-Cr19Ni10
NT2 Stainless Steel-304
NT1 Steel-Cr19Ni10-L
NT2 Stainless Steel-304L
NT1 Steel-Cr20Ni11
NT2 Stainless Steel-308
NT1 Steel-Cr20Ni11-L
NT2 Stainless Steel-308L
NT1 Steel-Cr21Mn9Ni6
NT2 Stainless Steel-21-6-9
NT1 Steel-Cr23Ni14
NT2 Stainless Steel-309
NT2 Stainless Steel-309S
NT1 Steel-Cr25
NT2 Stainless Steel-446
NT1 Steel-Cr25Ni20
NT2 Alloy-HK-40
NT2 Stainless Steel-310
NT1 Steel-Cr26Ni5Mo-L
NT2 Stainless Steel-44LN
NT1 Steel-Ni17Cr14MoTi-L
NT1 Steel-Ni25Cr20
NT2 Stainless Steel-20-25
NT1 Steel-Ni26Cr15Ti2MoVAlB
NT2 Alloy-A-286
NT1 Steel-Ni36Cr18
NT2 Stainless Steel-330
NT1 Steel-NiMoCr
NT1 Tophet
NT1 Udimet Alloys
NT2 Udimet 500
NT2 Udimet 700
NT1 Waspaloy
RT Austenitic Steels
RT Refractories
RT Stainless Steels

HEAT SINKS [01]
DA December 1, 1974
BT1 Sinks
RT Heat Sources
RT Heat Transfer
RT Thermal Effluents
RT Thermodynamics
RT Vapor Condensers
RT Waste Heat

HEAT SOURCES [01]
DA January 7, 1976
NT1 Radioisotope Heat Sources
RT Heat Sinks
RT Heat Transfer

Heat Sources (Radioisotope)
DA June 30, 1975
USE Radioisotope Heat Sources

HEAT STORAGE [01]
DA January 28, 1975
UF *Thermal Storage*
BT1 Energy Storage
BT2 Storage
NT1 Latent Heat Storage
NT1 Seasonal Thermal Energy Storage
NT1 Sensible Heat Storage
NT1 Thermochemical Heat Storage
RT Annual Energy Storage
RT Cold Storage
RT Energy Storage Systems
RT Regeneration
RT Regenerators
RT Rock Beds
RT Thermal Energy Storage Equipment
RT Thermic Diode Solar Panels

Heat Storage Devices
DA May 13, 1976
USE Thermal Energy Storage Equipment

Heat Storage Systems
DA August 26, 1976
USE Thermal Energy Storage Equipment

HEAT TRANSFER [01]
DA December 1, 1974
UF *Exchange (Heat)*
UF *Heat Transmission*
UF *Transfer (Heat)*
UF *Transmission (Heat)*
SF *Heat Dissipation*
BT1 Energy Transfer
NT1 Convection
NT2 Forced Convection
NT2 Natural Convection
NT2 Thermosyphon Effect
NT1 Radiant Heat Transfer
NT1 Thermal Conduction
RT Ablation
RT Boilers
RT Boiling
RT Burnout
RT Calorimetry
RT Continuity Equations
RT Coolant Loops
RT Cooling
RT Critical Heat Flux
RT Fluid Flow
RT Fourier Heat Equation
RT Greenhouse Effect
RT Heat
RT Heat Exchangers
RT Heat Extraction
RT Heat Flow
RT Heat Flux
RT Heat Gain
RT Heat Losses
RT Heat Pipes
RT Heat Pumps
RT Heat Recovery
RT Heat Sinks
RT Heat Sources
RT Heat Transfer Fluids
RT Heaters
RT Heating
RT Hot Spots
RT Nucleate Boiling
RT Nusselt Number
RT Reactor Cooling Systems
RT Rewetting
RT Righi-Leduc Effect
RT Rosseland Approximation
RT Steam Condensers
RT Steam Generators
RT Thermal Boundary Resistance
RT Thermal Conductivity
RT Thermal Diffusion
RT Thermal Insulation
RT Thermal Radiation
RT Thermodynamics
RT Thermosyphons
RT Two-Phase Flow
RT U Values
RT Vapor Condensation

HEAT TRANSFER FLUIDS
DA April 28, 1978
BT1 Fluids
RT Black Liquids
RT Heat Transfer
RT Working Fluids

Heat Transfer Properties
DA August 24, 1976
USE Thermodynamic Properties

Heat Transmission
DA December 1, 1974
USE Heat Transfer

HEAT TREATMENTS [01]
(In metallurgy as well as for the biological effects of heat.)
DA December 1, 1974
UF *Preheating*
NT1 Annealing
NT1 Autohydrolysis
NT1 Quench Hardening
NT1 Tempering
NT1 Thermomechanical Treatments
RT Aging
RT Controlled Atmospheres
RT Critical Temperature
RT Curing
RT Decarburization
RT Grain Refinement
RT Hardening
RT Heating
RT Nucleic Acid Denaturation
RT Protein Denaturation
RT Quenching
RT Recrystallization
RT Stress Relaxation

Heated Effluents
DA December 1, 1974
USE Thermal Effluents

Heater Oil
DA March 11, 1976
USE Heating Oils

HEATERS [01]
DA December 1, 1974
NT1 Air Heaters
NT2 Solar Air Heaters
NT1 Feedwater Heaters

NT1 Radiant Heaters
NT1 Space Heaters
NT1 Thermoelectric Heaters
NT1 Water Heaters
NT2 Solar Water Heaters
NT3 Passive Solar Water Heaters
NT4 Thermic Diode Solar Panels
RT Heat
RT Heat Transfer

HEATING [01]
DA December 1, 1974
NT1 Aerodynamic Heating
NT1 Baking
NT1 District Heating
NT2 Geothermal District Heating
NT2 Solar District Heating
NT1 Electric Heating
NT2 Radiant Cable Heating
NT2 Resistance Heating
NT3 Joule Heating
NT4 Current-Drive Heating
NT1 Flash Heating
NT1 Geothermal Heating
NT2 Geothermal District Heating
NT2 Geothermal Space Heating
NT2 Geothermal Water Heating
NT1 Microwave Heating
NT1 Plasma Heating
NT2 Adiabatic Compression Heating
NT2 Beam Injection Heating
NT2 High-Frequency Heating
NT3 ECR Heating
NT3 ICR Heating
NT3 Lower Hybrid Heating
NT3 Magnetic-Pumping Heating
NT4 Acoustic Heating
NT4 Collisional Heating
NT4 Transit-Time Magnetic Pumping
NT2 Joule Heating
NT3 Current-Drive Heating
NT2 Laser-Radiation Heating
NT2 Shock Heating
NT2 Turbulent Heating
NT1 Radiation Heating
NT1 Solar Heating
NT2 Solar District Heating
NT2 Solar Space Heating
NT2 Solar Water Heating
NT1 Space Heating
NT2 Auxiliary Heating
NT2 Baseboard Heating
NT2 Geothermal Space Heating
NT2 Solar Space Heating
NT1 Superheating
NT2 Nuclear Superheating
NT1 Water Heating
NT2 Geothermal Water Heating
NT2 Solar Water Heating
RT Air Conditioning
RT Air Heaters
RT Annual Cycle Energy System
RT Blisters
RT Boiling
RT Cooling
RT Heat
RT Heat Exchangers
RT Heat Pumps
RT Heat Transfer
RT Heat Treatments
RT Heating Rate
RT ICES Program
RT Incubation
RT Melting
RT Retorting
RT Temperature Control

HEATING LOAD
DA September 30, 1975
RT Air Conditioning
RT Cooling Load
RT Enthalpy
RT Heat
RT Heat Gain
RT Load Collector Ratio
RT Solar Fraction
RT Solar Heating

HEATING OILS [01]
DA March 11, 1976
UF *Burner Fuel Oil*
UF *Distillate Fuel*
UF *Distillate Fuel Oil*
UF *Furnace Oil*
UF *Heater Oil*
UF *No. 2 Fuel Oil*
BT1 Fuel Oils
BT2 Liquid Fuels
BT3 Fuels
BT2 Petroleum Products
BT1 Gas Oils
BT2 Petroleum Distillates
BT3 Distillates
BT3 Petroleum Fractions
BT4 Petroleum
BT5 Fossil Fuels
BT6 Energy Sources
BT6 Fuels
BT2 Petroleum Products
RT Liquefied Petroleum Gases

HEATING RATE [01]
DA December 15, 1976
RT Heating

HEATING SYSTEMS
DA May 7, 1977
BT1 Energy Systems
NT1 Geothermal Heating Systems
NT1 Solar Heating Systems
NT2 Passive Solar Heating Systems
NT3 Bead Walls
NT3 Direct Gain Systems
NT3 Drum Walls
NT3 Roof Ponds
NT3 Thermic Diode Solar Panels
NT3 Trombe Walls
NT3 Water Walls
NT2 Solar-Assisted Heat Pumps
RT Chemical Heat Pumps
RT District Heating
RT Space Heating
RT Space HVAC Systems

Heavy Fuels
DA January 23, 1976
USE Residual Fuels

HEAVY ION ACCELERATORS [01]
(Includes combined accelerator types for heavy ion acceleration.)
DA November 11, 1975
BT1 Accelerators
NT1 ATLAS Superconducting Linac
NT1 Brookhaven RHIC
NT1 Calcutta Cyclotron
NT1 Cracow U-120 Cyclotron
NT1 Ganil Cyclotron
NT1 HHIRF Accelerator
NT1 Hilacs
NT2 SuperHilac
NT1 HIMAC Accelerator
NT1 HIRFL Cyclotron
NT1 IPCR Cyclotron
NT1 JINR U-400 Cyclotron
NT1 Milan Superconducting Cyclotron
NT1 Munich SUSE Cyclotron
NT1 NAC Cyclotron
NT1 Numatron Accelerator
NT1 RILAC
NT1 SIS Synchrotron
NT1 Texas Superconducting Cyclotron
NT1 UNILAC
NT1 Vicksi Accelerator
NT1 Warsaw Cyclotron
RT Acceleration
RT Heavy Ions

HEAVY ION DECAY RADIOISOTOPES [01]
DA June 23, 1989
BT1 Radioisotopes
BT2 Isotopes
NT1 Carbon 14 Decay Radioisotopes
NT2 Radium 222
NT2 Radium 223
NT2 Radium 224
NT2 Radium 226
NT1 Magnesium 28 Decay Radioisotopes
NT2 Uranium 234
* NT1 Neon 24 Decay Radioisotopes
NT1 Silicon 32 Decay Radioisotopes
NT2 Plutonium 238
RT Heavy Ion Emission Decay

HEAVY ION EMISSION DECAY [01]
DA July 8, 1988
BT1 Nuclear Decay
BT2 Decay
NT1 Carbon 12 Emission Decay
NT1 Carbon 14 Emission Decay
NT1 Carbon 16 Emission Decay
NT1 Magnesium 28 Emission Decay
NT1 Magnesium 30 Emission Decay
NT1 Neon 24 Emission Decay
NT1 Oxygen 16 Emission Decay
NT1 Silicon 32 Emission Decay
NT1 Silicon 34 Emission Decay
RT Cold Fission
RT Heavy Ion Decay Radioisotopes

HEAVY ION FUSION REACTIONS [01]
DA January 31, 1977
UF *Fusion Reactions*
BT1 Nuclear Reactions
RT Compound-Nucleus Reactions
RT Deep Inelastic Heavy Ion Reactions
RT Incomplete Fusion Reactions
RT Quasi-Fission
RT Thermonuclear Reactions
DEF Heavy ion reactions in which most or all of participating nucleons form a single nucleus.

Heavy Ion Linear Accelerators
DA December 1, 1974
USE Hilacs

HEAVY ION REACTIONS [01]
DA December 1, 1974
BT1 Charged-Particle Reactions
BT2 Nuclear Reactions
NT1 Aluminium 27 Reactions
NT1 Argon 36 Reactions
NT1 Argon 40 Reactions
NT1 Beryllium 7 Reactions
NT1 Beryllium 8 Reactions
NT1 Beryllium 9 Reactions
NT1 Bismuth 209 Reactions
NT1 Boron 10 Reactions
NT1 Boron 11 Reactions
NT1 Bromine 79 Reactions
NT1 Bromine 81 Reactions
NT1 Calcium 40 Reactions
NT1 Calcium 42 Reactions
NT1 Calcium 44 Reactions
NT1 Calcium 48 Reactions
NT1 Carbon 12 Reactions
NT1 Carbon 13 Reactions
NT1 Carbon 14 Reactions
NT1 Chlorine 35 Reactions
NT1 Chlorine 37 Reactions
NT1 Chromium 52 Reactions
NT1 Chromium 54 Reactions
NT1 Cobalt 59 Reactions
NT1 Copper 63 Reactions
NT1 Copper 65 Reactions
NT1 Deep Inelastic Heavy Ion Reactions
NT1 Dysprosium 161 Reactions
NT1 Erbium 166 Reactions
NT1 Fluorine 19 Reactions
NT1 Gadolinium 155 Reactions
NT1 Germanium 70 Reactions
NT1 Germanium 74 Reactions
NT1 Germanium 76 Reactions
NT1 Gold 197 Reactions
NT1 Helium 6 Reactions
NT1 Helium 8 Reactions
NT1 Holmium 165 Reactions
NT1 Iodine 127 Reactions
NT1 Iron 54 Reactions
NT1 Iron 56 Reactions
NT1 Iron 58 Reactions
NT1 Krypton 80 Reactions
NT1 Krypton 82 Reactions
NT1 Krypton 83 Reactions
NT1 Krypton 84 Reactions
NT1 Krypton 86 Reactions
NT1 Lanthanum 139 Reactions
NT1 Lead 206 Reactions
NT1 Lead 208 Reactions
NT1 Lithium 6 Reactions
NT1 Lithium 7 Reactions

NT1 Lithium 8 Reactions
NT1 Lithium 9 Reactions
NT1 Lithium 11 Reactions
NT1 Magnesium 24 Reactions
NT1 Magnesium 25 Reactions
NT1 Magnesium 26 Reactions
NT1 Manganese 55 Reactions
NT1 Molybdenum 92 Reactions
NT1 Molybdenum 96 Reactions
NT1 Molybdenum 98 Reactions
NT1 Molybdenum 100 Reactions
NT1 Neodymium 142 Reactions
NT1 Neodymium 150 Reactions
NT1 Neon 20 Reactions
NT1 Neon 22 Reactions
NT1 Neon 29 Reactions
NT1 Nickel 58 Reactions
NT1 Nickel 59 Reactions
NT1 Nickel 60 Reactions
NT1 Nickel 61 Reactions
NT1 Nickel 64 Reactions
NT1 Niobium 93 Reactions
NT1 Nitrogen 13 Reactions
NT1 Nitrogen 14 Reactions
NT1 Nitrogen 15 Reactions
NT1 Oxygen 14 Reactions
NT1 Oxygen 16 Reactions
NT1 Oxygen 17 Reactions
NT1 Oxygen 18 Reactions
NT1 Palladium 110 Reactions
NT1 Palladium 118 Reactions
NT1 Phosphorus 31 Reactions
NT1 Quasi-Fission
NT1 Ruthenium 104 Reactions
NT1 Samarium 144 Reactions
NT1 Samarium 154 Reactions
NT1 Scandium 45 Reactions
NT1 Selenium 76 Reactions
NT1 Selenium 80 Reactions
NT1 Selenium 82 Reactions
NT1 Silicon 28 Reactions
NT1 Silicon 29 Reactions
NT1 Silicon 30 Reactions
NT1 Silver 109 Reactions
NT1 Sodium 23 Reactions
NT1 Sulfur 32 Reactions
NT1 Sulfur 33 Reactions
NT1 Sulfur 34 Reactions
NT1 Sulfur 36 Reactions
NT1 Sulfur 39 Reactions
NT1 Tellurium 130 Reactions
NT1 Thallium 205 Reactions
NT1 Thorium 232 Reactions
NT1 Tin 112 Reactions
NT1 Tin 116 Reactions
NT1 Tin 118 Reactions
NT1 Tin 120 Reactions
NT1 Tin 122 Reactions
NT1 Tin 124 Reactions
NT1 Titanium 46 Reactions
NT1 Titanium 48 Reactions
NT1 Titanium 49 Reactions
NT1 Titanium 50 Reactions
NT1 Tungsten 183 Reactions
NT1 Tungsten 184 Reactions
NT1 Uranium 235 Reactions
NT1 Uranium 238 Reactions
NT1 Vanadium 51 Reactions
NT1 Xenon 129 Reactions
NT1 Xenon 132 Reactions
NT1 Xenon 134 Reactions
NT1 Xenon 136 Reactions
NT1 Zinc 64 Reactions
NT1 Zinc 68 Reactions
NT1 Zinc 70 Reactions
NT1 Zirconium 90 Reactions
NT1 Zirconium 92 Reactions
NT1 Zirconium 96 Reactions
RT Anomalons
RT Hilacs
RT Nuclear Fireball Model

HEAVY ION SPECTROMETERS [01]
DA December 1, 1974
BT1 Spectrometers
BT2 Measuring Instruments

HEAVY IONS [01]
(Whenever possible use one of the more specific terms listed under ION BEAMS.)
DA December 1, 1974
BT1 Ions
BT2 Charged Particles
RT Ganil Cyclotron
RT Heavy Ion Accelerators
RT HHIRF Accelerator
RT Hilacs
RT Ion Beams
RT Ion Detection
RT Multicharged Ions

HEAVY LEPTONS [01]
DA December 1, 1974
BT1 Leptons
BT2 Elementary Particles
BT2 Fermions
BT1 Postulated Particles
BT2 Elementary Particles
NT1 Heavy Neutral Muons
NT1 Tau Neutrinos
NT1 Tau Particles

HEAVY LIQUID BUBBLE CHAMBERS [01]
DA December 1, 1974
BT1 Bubble Chambers
BT2 Gas Track Detectors
BT3 Radiation Detectors
BT4 Measuring Instruments

HEAVY MEDIA SEPARATION [01]
DA December 10, 1979
BT1 Separation Processes
NT1 Otisca Process
RT Cleaning
RT Coal Preparation
RT Washing

HEAVY NEUTRAL MUONS [01]
DA August 9, 1979
UF *Muons, Heavy Neutral*
BT1 Heavy Leptons
BT2 Leptons
BT3 Elementary Particles
BT3 Fermions
BT2 Postulated Particles
BT3 Elementary Particles
RT Muons

HEAVY NUCLEI [01]
(For nuclei from mass 181 upwards.)
DA December 1, 1974
BT1 Nuclei
* NT1 Actinide Nuclei
NT1 Astatine 194
NT1 Astatine 195
NT1 Astatine 196
NT1 Astatine 197
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NT1 Astatine 223
NT1 Bismuth 188
NT1 Bismuth 189
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NT1 Element 115
NT1 Element 116
NT1 Francium 201
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NT1 Gold 177
NT1 Gold 181
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NT1 Hafnium 181
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NT1 Iridium 181
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NT1 Mercury 181
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NT1 Tungsten 185
NT1 Tungsten 186
NT1 Tungsten 187
NT1 Tungsten 188
NT1 Tungsten 189
NT1 Tungsten 190
NT1 Tungsten 192
RT Nuclear Structure

Heavy Oils
DA January 27, 1981
USE Petroleum
AND Viscosity

HEAVY WATER [01]
DA December 1, 1974
UF *Deuterium Oxide*
UF *Heavy Water Coolant*
UF *Heavy Water Moderator*

UF+ *DTO*
UF+ *HDO*
UF+ *HTO*
BT1 Water
BT2 Hydrogen Compounds
BT2 Oxygen Compounds
RT Coolants
RT Deuterium Compounds
RT Dual Temperature Process
RT Moderators
RT Tritium Compounds

Heavy Water Components Test Reactor
DA December 1, 1974
USE HWCTR Reactor

Heavy Water Coolant
DA December 1, 1974
USE Heavy Water

HEAVY WATER COOLED REACTORS [01]
DA December 1, 1974
BT1 Reactors
NT1 ALRR Reactor
NT1 AQUILON Reactor
NT1 BHWR Type Reactors
NT2 HBWR Reactor
NT2 Marviken Reactor
NT1 BR-3-VN Reactor
NT1 Celestin Reactor
NT1 CP-3 Reactor
NT1 CP-3M Reactor
NT1 CP-5 Reactor
NT1 DCA Reactor
NT1 Dhruva Reactor
NT1 Dido Reactor
NT1 Diorit Reactor
NT1 DMTR Reactor
NT1 DR-3 Reactor
NT1 EL-1 Reactor
NT1 EL-3 Reactor
NT1 EOLE Reactor
NT1 ESSOR Reactor
NT1 FR-2 Reactor
NT1 FRJ-2 Reactor
NT1 Grenoble Reactor
NT1 GTRR Reactor
NT1 HFBR Reactor
NT1 HIFAR Reactor
NT1 HWCTR Reactor
NT1 IRR-2 Reactor
NT1 Ispra-1 Reactor
NT1 JEEP-2 Reactor
NT1 JRR-2 Reactor
NT1 JRR-3 Reactor
NT1 MITR Reactor
NT1 NBSR Reactor
NT1 Nora Reactor
NT1 NRU Reactor
NT1 NRX Reactor
NT1 PDP Reactor
NT1 Pelinduna Reactor
* **NT1** PHWR Type Reactors
NT1 Pluto Reactor
NT1 PRR Reactor
NT1 PRTR Reactor
NT1 PSE Reactor
NT1 R-1 Reactor
NT1 R-A Reactor
NT1 SPERT-2 Reactor
NT1 Taiwan Research Reactor
NT1 Venus Reactor
NT1 ZED-2 Reactor

Heavy Water Moderated and Gas Cooled Reactors
DA December 1, 1974
USE HWGCR Type Reactors

Heavy Water Moderated and Water Cooled Reactor
DA December 1, 1974
USE HWLWR Type Reactors

HEAVY WATER MODERATED REACTORS [01]
DA December 1, 1974
BT1 Reactors
NT1 ALRR Reactor
NT1 AQUILON Reactor
NT1 BHWR Type Reactors
NT2 HBWR Reactor
NT2 Marviken Reactor
NT1 BR-3-VN Reactor
NT1 C Reactor
* **NT1** Candu Type Reactors
NT1 Celestin Reactor
NT1 Cirus Reactor
NT1 CP-3 Reactor
NT1 CP-3M Reactor
NT1 CP-5 Reactor
NT1 DCA Reactor
NT1 Dhruva Reactor
NT1 Dido Reactor
NT1 Dimple Reactor
NT1 Diorit Reactor
NT1 DMTR Reactor
NT1 DR-3 Reactor
NT1 ECO Reactor
NT1 EL-1 Reactor
NT1 EL-2 Reactor
NT1 EL-3 Reactor
NT1 EOLE Reactor
NT1 ESSOR Reactor
NT1 FR-2 Reactor
NT1 FRJ-2 Reactor
NT1 Grenoble Reactor
NT1 GTRR Reactor
NT1 HFBR Reactor
NT1 HIFAR Reactor
NT1 HRE-2 Reactor
NT1 HWCTR Reactor
* **NT1** HWGCR Type Reactors
NT1 HWLWR Type Reactors
NT2 Cirene Reactor
NT2 Gentilly Reactor
NT2 JATR Reactor
NT1 IRR-2 Reactor
NT1 Ispra-1 Reactor
NT1 JEEP-2 Reactor
NT1 JRR-2 Reactor
NT1 JRR-3 Reactor
NT1 Juno Reactor
NT1 K Reactor
NT1 L Reactor
NT1 MAPLE Reactor
NT1 MAPLE Type Reactors
NT1 MITR Reactor
NT1 NBSR Reactor
NT1 Nora Reactor
NT1 NRU Reactor
NT1 NRX Reactor
NT1 P Reactor
NT1 PDP Reactor
NT1 Pelinduna Reactor
* **NT1** PHWR Type Reactors
NT1 Pluto Reactor
NT1 PRR Reactor
NT1 PRTR Reactor
NT1 PSE Reactor
NT1 R Reactor
NT1 R-1 Reactor
NT1 R-A Reactor
NT1 R-B Reactor
NT1 RB-3 Reactor
NT1 RTR Reactor
NT1 SGHWR Reactor
NT1 SPERT-2 Reactor
NT1 Taiwan Research Reactor
NT1 TR-0 Reactor
NT1 Venus Reactor
NT1 WR-1 Reactor
NT1 ZED-2 Reactor
NT1 ZEEP Reactor
NT1 Zerlina Reactor

Heavy Water Moderator
DA December 1, 1974
USE Heavy Water

HEAVY WATER PLANTS [01]
DA February 14, 1978
BT1 Isotope Separation Plants
BT2 Industrial Plants
BT2 Nuclear Facilities
DEF Plants for the production and/or upgrading of heavy water.

HEBER GEOTHERMAL FIELD [01]
DA October 1, 1975
BT1 Geothermal Fields
RT California

HECTOR REACTOR [01]
(UKAEA, Winfrith, United Kingdom.)
DA December 1, 1974
UF *Hot Enriched Carbon Moderated Thermal Oscillator Reactor*
BT1 Carbon Dioxide Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Graphite Moderated Reactors
BT2 Reactors
BT1 Materials Testing Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Pulsed Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

Hectorite
DA December 1, 1974
USE Montmorillonite

HEDDUR [01]
DA December 1, 1974
BT1 Aluminium Base Alloys
BT2 Aluminium Alloys
BT3 Alloys
BT1 Copper Alloys
BT2 Alloys

HEDENBERGITE
DA January 7, 1976
BT1 Pyroxenes
BT2 Minerals
BT2 Silicates
BT3 Oxygen Compounds
BT3 Silicon Compounds
BT1 Silicate Minerals
BT2 Minerals
DEF A black mineral of the clinopyroxene group $CaFeSi_2O_6$.

HEDTA [01]
DA December 1, 1974
UF *Hydroxyethylethylenediaminetriacetic Acid*
BT1 Amino Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT1 Chelating Agents
BT1 Hydroxy Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds

HEF [01]
DA October 27, 1980
UF *Hot Experiment Facility*
BT1 Fuel Reprocessing Plants
BT2 Nuclear Facilities
RT Consolidated Fuel Reprocessing Program
RT Pilot Plants

HEIDA [01]
DA December 1, 1974
UF *Hydroxyethyliminodiacetic Acid*
BT1 Amino Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT1 Chelating Agents
BT1 Hydroxy Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds

HEIGHT [01]
(For elevation use LEVELS.)
DA December 1, 1974
BT1 Dimensions
NT1 Scale Height
NT1 Virtual Height
RT Altitude
RT Levels

HEINRICHITE [01]
DA December 1, 1974

BT1 Arsenic Oxides
BT2 Arsenic Compounds
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT1 Barium Oxides
BT2 Barium Compounds
BT3 Alkaline Earth Metal Compounds
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT1 Oxide Minerals
BT2 Minerals
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
BT1 Uranium Oxides
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT2 Uranium Compounds
BT3 Actinide Compounds

HEISENBERG MODEL [01]
DA December 1, 1974
BT1 Crystal Models
BT2 Mathematical Models
RT Electronic Structure
RT Ferromagnetism
RT Phi4-Field Theory
RT Spin

HEISENBERG PICTURE [01]
DA December 1, 1974
UF *Heisenberg Representation*
RT Quantum Field Theory
RT Quantum Mechanics
RT Schroedinger Picture

Heisenberg Principle
DA December 1, 1974
USE Uncertainty Principle

Heisenberg Representation
DA December 1, 1974
USE Heisenberg Picture

Heissdampfreaktoranlage
DA December 1, 1974
USE HDR Reactor

HEITLER-LONDON THEORY [01]
DA December 1, 1974
RT Binding Energy
RT Heitler-London Waves

HEITLER-LONDON WAVES [01]
DA December 1, 1974
RT Heitler-London Theory

HELA CELLS [01]
DA December 1, 1974
RT Clone Cells
RT In Vitro
RT Tumor Cells

Helac
(Prior to June 1991 this was a valid descriptor.)
DA January 28, 1975
USE Linear Accelerators

HELIAC STELLARATORS [01]
(Helical magnetic axis stellarators)
DA June 9, 1987
BT1 Stellarators
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices
NT1 Sheila HELIAC

Helianthus Annuus
DA December 1, 1974
USE Sunflowers

HELICAL CONFIGURATION [01]
DA December 1, 1974
BT1 Configuration
RT DNA
RT Magnetic Field Configurations
RT Molecular Structure

HELICAL INSTABILITY [01]
DA December 1, 1974
UF *Screw Instability*
BT1 Plasma Macroinstabilities
BT2 Plasma Instability
BT3 Instability

HELICAL ROTARY SCREW EXPANDER
DA June 2, 1977
UF *Lysholm Engine*
RT Rotary Engines
RT Turbines

HELICAL WAVEGUIDES [01]
DA December 1, 1974
BT1 Waveguides

HELICITY [01]
DA December 1, 1974
BT1 Particle Properties
RT Angular Momentum
RT Chirality
RT Spin

HELICON RESONANCE [01]
DA December 1, 1974
BT1 Resonance
RT Superconductivity

HELICON WAVES [01]
DA December 1, 1974
BT1 Electromagnetic Radiation
BT2 Radiations

HELICOPTERS [01]
DA April 9, 1982
BT1 Aircraft

HELIOS DEVICES [01]
DA December 1, 1974
BT1 Q Devices
BT2 Open Plasma Devices
BT3 Thermonuclear Devices

HELIOS FACILITY [01]
DA July 24, 1979
RT Antares Facility
RT Carbon Dioxide Lasers
RT LANL
RT Laser Fusion Reactors
DEF A 10 kJ, 8-beam, CO_2 laser facility at Los Alamos for laser fusion experiments.

HELIOSPHERE [01]
(Influence zone of the sun in interstellar space, delimited by the ejected solar plasma.)
DA May 1, 1987
BT1 Solar Atmosphere
BT2 Atmospheres

HELIOSTATS [01]
DA January 7, 1976
BT1 Solar Equipment
BT2 Equipment
NT1 Solar Tracking Systems
RT Central Receiver Test Facility
RT Control Systems
RT Solar Tracking

Heliothis
DA December 1, 1974
USE Bollworm

HELIOTRON [01]
DA December 1, 1974
BT1 Closed Plasma Devices
BT2 Thermonuclear Devices
RT Torsatron Stellarators

HELIUM [01]
DA December 1, 1974
BT1 Rare Gases
BT2 Gases
BT3 Fluids
BT2 Nonmetals
BT3 Elements
RT Cryogenic Fluids
RT Helium Embrittlement

HELIUM 2 [01]
DA March 29, 1980
BT1 Helium Isotopes
BT2 Isotopes
BT1 Light Nuclei
BT2 Nuclei

HELIUM 3 [01]
DA December 1, 1974
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Helium Isotopes
BT2 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
NT1 Helium 3 A
NT1 Helium 3 A1
NT1 Helium 3 B
RT Helium 3 Beams
RT Quantum Fluids

HELIUM 3 A [01]
DA August 19, 1975
BT1 Helium 3
BT2 Even-Odd Nuclei
BT3 Nuclei
BT2 Helium Isotopes
BT3 Isotopes
BT2 Light Nuclei
BT3 Nuclei
BT2 Stable Isotopes
BT3 Isotopes
RT Superfluidity
DEF A phase of helium 3 superfluidity.

HELIUM 3 A1 [01]
DA June 2, 1977
BT1 Helium 3
BT2 Even-Odd Nuclei
BT3 Nuclei
BT2 Helium Isotopes
BT3 Isotopes
BT2 Light Nuclei
BT3 Nuclei
BT2 Stable Isotopes
BT3 Isotopes
RT Superfluidity
DEF Phase of Helium 3 superfluidity.

HELIUM 3 B [01]
DA August 19, 1975
BT1 Helium 3
BT2 Even-Odd Nuclei
BT3 Nuclei
BT2 Helium Isotopes
BT3 Isotopes
BT2 Light Nuclei
BT3 Nuclei
BT2 Stable Isotopes
BT3 Isotopes
RT Superfluidity
DEF A phase of helium 3 superfluidity.

HELIUM 3 BEAMS [01]
DA December 1, 1974
BT1 Ion Beams
BT2 Beams
RT Helium 3

HELIUM 3 REACTIONS [01]
DA December 1, 1974
BT1 Charged-Particle Reactions
BT2 Nuclear Reactions

HELIUM 3 TARGET [01]
DA July 9, 1976
BT1 Targets

HELIUM 4 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Helium Isotopes
BT2 Isotopes
BT1 Light Nuclei

BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
NT1 Helium I
NT1 Helium II
RT Helium 4 Beams
RT Lambda Point
RT Quantum Fluids

HELIUM 4 BEAMS [01]
DA December 1, 1974
BT1 Ion Beams
BT2 Beams
NT1 Alpha Beams
RT Helium 4

Helium 4 Reactions
DA June 30, 1975
USE Alpha Reactions

HELIUM 4 TARGET [01]
DA July 9, 1976
BT1 Targets

HELIUM 5 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Helium Isotopes
BT2 Isotopes
BT1 Light Nuclei
BT2 Nuclei

HELIUM 6 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Helium Isotopes
BT2 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

HELIUM 6 REACTIONS [01]
DA August 8, 1985
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

HELIUM 6 TARGET [01]
DA May 7, 1977
BT1 Targets

HELIUM 7 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Helium Isotopes
BT2 Isotopes
BT1 Light Nuclei
BT2 Nuclei

HELIUM 8 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Helium Isotopes
BT2 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

HELIUM 8 BEAMS [01]
DA July 18, 1985
BT1 Radioactive Ion Beams
BT2 Ion Beams
BT3 Beams
BT1 Secondary Beams
BT2 Particle Beams
BT3 Beams

HELIUM 8 REACTIONS [01]
DA August 8, 1985
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

HELIUM 9 [01]
DA December 1, 1974
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Helium Isotopes
BT2 Isotopes
BT1 Light Nuclei
BT2 Nuclei

HELIUM 10 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Helium Isotopes
BT2 Isotopes
BT1 Light Nuclei
BT2 Nuclei

HELIUM ASH [01]
DA March 15, 1990
BT1 Helium Ions
BT2 Ions
BT3 Charged Particles
RT Alpha Particles
RT Pumped Limiters
RT Thermonuclear Reactions
DEF A thermonuclear reaction product.

HELIUM BURNING [01]
(Astrophysical processes only)
DA October 20, 1978
BT1 Star Burning
RT Dwarf Stars
RT Nucleosynthesis
RT Red Giant Stars
RT Star Evolution

HELIUM CARBIDES [01]
DA December 1, 1974
BT1 Carbides
BT2 Carbon Compounds
BT1 Helium Compounds
BT2 Rare Gas Compounds

HELIUM CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Helium Compounds
BT2 Rare Gas Compounds

HELIUM COMPLEXES [01]
DA December 1, 1974
BT1 Complexes

HELIUM COMPOUNDS [01]
DA December 1, 1974
BT1 Rare Gas Compounds
NT1 Helium Carbides
NT1 Helium Chlorides
NT1 Helium Fluorides
NT1 Helium Hydrides
NT1 Helium Hydroxides
NT1 Helium Nitrides
NT1 Helium Oxides
NT1 Helium Tritides

HELIUM COOLED REACTORS [01]
DA May 6, 1975
BT1 Gas Cooled Reactors
BT2 Reactors
NT1 AVR Reactor
NT1 Dragon Reactor
NT1 EBOR Reactor
NT1 EGCR Reactor
NT1 Fulton-1 Reactor
NT1 Fulton-2 Reactor
NT1 GCFR Reactor
NT1 GCRE Reactor
NT1 HTTR Reactor
NT1 IEA-ZPR Reactor
NT1 Peach Bottom-1 Reactor
NT1 Schmehausen-2 Reactor
NT1 Summit-1 Reactor
NT1 Summit-2 Reactor
NT1 THTR-300 Reactor
NT1 UHTREX Reactor
NT1 VG-400 Reactor
NT1 VGR-50 Reactor
NT1 VHTR Reactor
NT1 Vidal-1 Reactor
NT1 Vidal-2 Reactor
NT1 Vrain Reactor
RT HTGR Type Reactors

HELIUM DILUTION REFRIGERATION [01]
DA December 1, 1974
BT1 Refrigeration
BT2 Cooling
RT Cryogenics
RT Helium Dilution Refrigerators
RT Refrigerators

HELIUM DILUTION REFRIGERATORS [01]
DA February 20, 1975
BT1 Refrigerators
RT Cryogenics
RT Cryostats
RT Helium Dilution Refrigeration

HELIUM EMBRITTLEMENT [01]
DA March 26, 1985
BT1 Embrittlement
RT Brittleness
RT Fracture Properties
RT Helium
RT Interstitial Helium Generation
DEF A decrease in fracture strength of metals due to the incorporation of helium in the metal lattice.

HELIUM FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Helium Compounds
BT2 Rare Gas Compounds

Helium Generation
DA April 28, 1983
USE Interstitial Helium Generation

HELIUM HYDRIDES [01]
DA December 1, 1974
BT1 Helium Compounds
BT2 Rare Gas Compounds
BT1 Hydrides
BT2 Hydrogen Compounds

HELIUM HYDROXIDES [01]
DA December 1, 1974
BT1 Helium Compounds
BT2 Rare Gas Compounds
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds

HELIUM I [01]
(The phase of liquid helium-4 which is stable at temperatures above the lambda point (about 2.2 K).)
DA December 1, 1974
BT1 Helium 4
BT2 Even-Even Nuclei
BT3 Nuclei
BT2 Helium Isotopes
BT3 Isotopes

BT2 Light Nuclei
BT3 Nuclei
BT2 Stable Isotopes
BT3 Isotopes

HELIUM II [01]
(The phase of liquid helium-4 which is stable at temperatures between absolute zero and the lambda point (about 2.2 K).)
DA December 1, 1974
BT1 Helium 4
BT2 Even-Even Nuclei
BT3 Nuclei
BT2 Helium Isotopes
BT3 Isotopes
BT2 Light Nuclei
BT3 Nuclei
BT2 Stable Isotopes
BT3 Isotopes
BT1 Quantum Fluids
BT2 Fluids
RT Film Flow
RT Landau Liquid Helium Theory
RT Superfluidity

HELIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles
NT1 Helium Ash
RT Alpha Particles

HELIUM ISOTOPES [01]
DA December 1, 1974
BT1 Isotopes
NT1 Helium 2
NT1 Helium 3
NT2 Helium 3 A
NT2 Helium 3 A1
NT2 Helium 3 B
NT1 Helium 4
NT2 Helium I
NT2 Helium II
NT1 Helium 5
NT1 Helium 6
NT1 Helium 7
NT1 Helium 8
NT1 Helium 9
NT1 Helium 10

Helium Method
DA December 1, 1974
USE Isotope Dating

HELIUM-NEON LASERS [01]
DA June 7, 1976
BT1 Gas Lasers
BT2 Lasers

HELIUM NITRIDES [01]
DA December 1, 1974
BT1 Helium Compounds
BT2 Rare Gas Compounds
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides

HELIUM OXIDES [01]
DA December 1, 1974
BT1 Helium Compounds
BT2 Rare Gas Compounds
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds

Helium Production Rates
DA September 26, 1979
USE Gas Production Rates

HELIUM TRITIDES [01]
DA June 12, 1975
BT1 Helium Compounds
BT2 Rare Gas Compounds
BT1 Tritides
BT2 Tritium Compounds
BT3 Hydrogen Compounds

HELIUM-XENON LASERS [01]
DA May 6, 1980
BT1 Gas Lasers
BT2 Lasers

Helmholtz Free Energy
DA December 1, 1974
USE Free Energy

HELMHOLTZ INSTABILITY [01]
DA December 1, 1974
UF *Kelvin-Helmholtz Instability*
BT1 Plasma Macroinstabilities
BT2 Plasma Instability
BT3 Instability
RT Fluid Flow

HELMHOLTZ THEOREM [01]
DA December 1, 1974
RT Vectors

HELMINTHS [01]
DA December 1, 1974
BT1 Parasites
NT1 Aschelminthes
NT2 Nematodes
NT3 Ascaridae
NT4 Ascaris
NT3 Dictyocaulus
NT3 Hookworm
NT4 Nippostrongylus
NT3 Syngamus
NT3 Trichinella
NT1 Platyhelminths
NT2 Cestodes
NT3 Hymenolepis
NT2 Trematodes
NT3 Fasciola
NT3 Schistosoma
NT2 Turbellaria
NT3 Planaria

HELVITE [01]
DA December 1, 1974
BT1 Beryllium Silicates
BT2 Beryllium Compounds
BT3 Alkaline Earth Metal Compounds
BT2 Silicates
BT3 Oxygen Compounds
BT3 Silicor Compounds
BT1 Iron Silicates
BT2 Iron Compounds
BT3 Transition Element Compounds
BT2 Silicates
BT3 Oxygen Compounds
BT3 Silicon Compounds
BT1 Manganese Silicates
BT2 Manganese Compounds
BT3 Transition Element Compounds
BT2 Silicates
BT3 Oxygen Compounds
BT3 Silicon Compounds
BT1 Silicate Minerals
BT2 Minerals

Hemagglutination
DA December 1, 1974
USE Hemagglutinins

HEMAGGLUTININS [01]
DA December 1, 1974
UF *Hemagglutination*
BT1 Agglutinins
BT2 Antibodies
NT1 Concanavalin A
NT1 Phytohemagglutinin
RT Blood Groups
RT Erythrocytes

Hemangiomas
DA December 1, 1974
USE Angiomas

Hematin
DA December 1, 1974
USE Heme

HEMATINICS [01]
DA April 20, 1981
BT1 Hematologic Agents
BT2 Drugs
NT1 Folic Acid
NT1 Intrinsic Factor
NT1 Vitamin B-12
RT Anticoagulants
RT Blood Substitutes
RT Coagulants
RT Fibrinolytic Agents

HEMATITE [01]
DA December 1, 1974
BT1 Iron Ores
BT2 Ores
BT1 Oxide Minerals
BT2 Minerals
RT Iron Oxides
RT Limonite
DEF A common iron mineral: α-Fe_2O_3.

HEMATOLOGIC AGENTS [01]
DA April 20, 1981
BT1 Drugs
NT1 Anticoagulants
NT2 Coumarins
NT3 Dicumarol
NT3 Psoralen
NT3 Tromexan
NT2 Heparin
NT1 Blood Substitutes
NT2 Dextran
NT2 Pectins
NT2 PVP
NT1 Coagulants
NT2 Blood Coagulation Factors
NT3 Fibrin
NT3 Fibrinogen
NT3 Kallikrein
NT3 Plasminogen
NT3 Prothrombin
NT3 Thrombin
NT3 Thromboplastin
NT3 Urokinase
NT2 Hemostatics
NT3 Fibrin
NT3 Fibrinogen
NT3 Thrombin
NT3 Thromboplastin
NT2 Heparin Antagonists
NT3 Protamines
NT4 Salmin
NT3 Vitamin K
NT1 Fibrinolytic Agents
NT2 Fibrinolysin
NT2 Plasminogen
NT2 Streptidine Kinase
NT2 Urokinase
NT1 Hematinics
NT2 Folic Acid
NT2 Intrinsic Factor
NT2 Vitamin B-12
RT Blood
RT Blood Coagulation
RT Hemic Diseases

HEMATOLOGY [01]
DA December 1, 1974
BT1 Medicine
RT Hemic Diseases

HEMATOMAS
DA June 21, 1977
RT Blood Coagulation
RT Hemorrhage
RT Injuries

Hematopoiesis
DA December 1, 1974
USE Blood Formation

HEMATOPOIETIC SYSTEM [01]
DA December 1, 1974
BT1 Body
NT1 Bone Marrow
RT Blood Formation
RT Erythropoiesis

Hematoporphyrin (Heme)
DA December 1, 1974
USE Heme

HEMATOPORPHYRINS [01]
DA December 1, 1974
BT1 Pigments
BT1 Porphyrins
BT2 Heterocyclic Acids
BT3 Carboxylic Acids

BT4 Organic Acids
BT5 Organic Compounds
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
RT Hemoglobin

HEMATOXYLIN [01]
DA December 1, 1974
BT1 Dyes
BT1 Polyphenols
BT2 Phenols
BT3 Aromatics
BT4 Organic Compounds
BT3 Hydroxy Compounds
BT4 Organic Compounds
BT1 Pyrans
BT2 Heterocyclic Compounds
BT3 Organic Compounds
BT2 Organic Oxygen Compounds
BT3 Organic Compounds

HEME [01]
DA December 1, 1974
UF *Hematin*
UF *Hematoporphyrin (Heme)*
UF *Hemin*
BT1 Pigments
BT1 Porphyrins
BT2 Heterocyclic Acids
BT3 Carboxylic Acids
BT4 Organic Acids
BT5 Organic Compounds
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
RT Carboxyhemoglobin
RT Hemoglobin
RT Iron
RT Methemoglobin

HEMIACETAL DEHYDROGENASES [01]
(Code number 1.1.)
DA January 12, 1981
BT1 Oxidoreductases
BT2 Enzymes
BT3 Proteins
BT4 Organic Compounds
NT1 Alcohol Dehydrogenase
NT1 Lactate Dehydrogenase

HEMIC DISEASES [01]
DA December 1, 1974
UF *Blood Diseases*
BT1 Diseases
NT1 Anemias
NT2 Ischemia
NT2 Megaloblastic Anemia
NT2 Sickle Cell Anemia
NT2 Thalassemia
NT1 Hemophilia
NT1 Leukopenia
NT2 Lymphopenia
NT1 Polycythemia
NT1 Purpura
RT Blood
RT Blood Chemistry
RT Hematologic Agents
RT Hematology
RT Hemolysis
RT Hemorrhage
RT Malaria
RT Splenomegaly

HEMICELLULOSE
DA June 14, 1978
BT1 Polysaccharides
BT2 Saccharides
BT3 Carbohydrates
BT4 Organic Compounds
NT1 Xylans
RT Biomass
RT Cellulose
RT Lignin
RT Wood
DEF Group of complex carbohydrates (hexose and pentose sugars and sugar acids of uronic type) surrounding cellulose fibers of plant cells. No chemical relation to cellulose.

Hemin
DA December 1, 1974
USE Heme

HEMIPTERA [01]
DA December 1, 1974
BT1 Insects
BT2 Arthropods
BT3 Invertebrates
BT4 Animals
NT1 Aphids

HEMLOCKS [01]
(Tsuga.)
DA February 2, 1988
BT1 Conifers
BT2 Pinophyta
BT3 Plants

HEMOCYANIN [01]
DA December 1, 1974
BT1 Metalloproteins
BT2 Proteins
BT3 Organic Compounds
RT Blood

HEMOGLOBIN [01]
DA December 1, 1974
BT1 Globins
BT2 Proteins
BT3 Organic Compounds
BT1 Pigments
BT1 Porphyrins
BT2 Heterocyclic Acids
BT3 Carboxylic Acids
BT4 Organic Acids
BT5 Organic Compounds
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
NT1 Methemoglobin
RT Anemias
RT Carboxyhemoglobin
RT Erythrocytes
RT Hematoporphyrins
RT Heme
RT Hemosiderin
RT Iron
RT Protoporphyrins
RT Respiration

HEMOLYSINS [01]
DA December 1, 1974
BT1 Antibodies
RT Complement
RT Hemolysis

HEMOLYSIS [01]
DA December 1, 1974
BT1 Lysis
BT1 Pathological Changes
RT Anemias
RT Erythrocytes
RT Hemic Diseases
RT Hemolysins
RT Immunity

HEMOPHILIA [01]
DA November 24, 1987
BT1 Hemic Diseases
BT2 Diseases
BT1 Hereditary Diseases
BT2 Diseases
RT Blood Coagulation
RT Hemorrhage

Hemophilus
DA December 1, 1974
USE Haemophilus

Hemopoiesis
DA December 1, 1974
USE Blood Formation

HEMORRHAGE [01]
DA December 1, 1974
BT1 Pathological Changes
BT1 Symptoms
RT Anemias
RT Blood
RT Blood Coagulation
RT Blood Vessels
RT Hematomas
RT Hemic Diseases
RT Hemophilia

HEMOSIDERIN [01]
DA December 1, 1974
BT1 Metalloproteins
BT2 Proteins
BT3 Organic Compounds
BT1 Pigments
BT1 Porphyrins
BT2 Heterocyclic Acids
BT3 Carboxylic Acids
BT4 Organic Acids
BT5 Organic Compounds
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
RT Blood
RT Ferritin
RT Hemoglobin
RT Iron

HEMOSTATICS
DA April 20, 1981
BT1 Coagulants
BT2 Hematologic Agents
BT3 Drugs
NT1 Fibrin
NT1 Fibrinogen
NT1 Thrombin
NT1 Thromboplastin
RT Blood Coagulation Factors
RT Heparin Antagonists

Hens
DA December 1, 1974
USE Chickens

HEPARIN [01]
DA December 1, 1974
BT1 Anticoagulants
BT2 Hematologic Agents
BT3 Drugs
BT1 Mucopolysaccharides
BT2 Amines
BT3 Organic Compounds
BT2 Polysaccharides
BT3 Saccharides
BT4 Carbohydrates
BT5 Organic Compounds
BT1 Organic Sulfur Compounds
BT2 Organic Compounds
RT Mast Cells

HEPARIN ANTAGONISTS
DA April 20, 1981
BT1 Coagulants
BT2 Hematologic Agents
BT3 Drugs
NT1 Protamines
NT2 Salmin
NT1 Vitamin K
RT Blood Coagulation Factors
RT Hemostatics

HEPATECTOMY [01]
DA December 1, 1974
BT1 Surgery
BT2 Medicine
RT Digestive System Diseases
RT Liver

HEPATITIS [01]
DA December 1, 1974
BT1 Digestive System Diseases
BT2 Diseases
NT1 Infectious Hepatitis
RT Jaundice
RT Liver

Hepatitis (Infectious)
DA December 1, 1974
USE Infectious Hepatitis

Hepatocytes
DA July 8, 1982
USE Liver Cells

HEPATOMAS [01]
DA December 1, 1974
BT1 Carcinomas
BT2 Neoplasms
BT3 Diseases
RT Liver

HEPTANE [01]
DA December 1, 1974
BT1 Alkanes
BT2 Hydrocarbons
BT3 Organic Compounds

HEPTANOIC ACID [01]
DA December 1, 1974
UF *Enanthic Acid*
UF *Heptylic Acid*
BT1 Monocarboxylic Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds

HEPTENES [01]
DA December 1, 1974
BT1 Alkenes
BT2 Hydrocarbons
BT3 Organic Compounds

HEPTYL RADICALS [01]
DA December 1, 1974
BT1 Alkyl Radicals
BT2 Radicals

Heptylic Acid
DA December 1, 1974
USE Heptanoic Acid

HERA STORAGE RING [01]
(Hadron Elektron Ring Anlage)
DA June 14, 1984
BT1 Storage Rings

HERALD REACTOR [01]
(UK Ministry of Defence, Aldermaston, Reading, Berkshire, United Kingdom.)
DA December 1, 1974
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

HERBICIDES [01]
DA December 1, 1974
BT1 Pesticides

HERBIG-HARO OBJECTS
DA April 19, 1989
RT Nebulae
RT Star Evolution
DEF Small faint patches of nebulosity seen on surfaces of many dark clouds believed to be a very early phase in stellar evolution.

HERBS [01]
DA December 1, 1974
BT1 Plants
NT1 Coleus
NT1 Marihuana
NT1 Meadow Foam

HEREDITARY DISEASES [01]
DA December 1, 1974
BT1 Diseases
NT1 Downs Syndrome
NT1 Hemophilia
NT1 Xeroderma Pigmentosum
RT Chromosomal Aberrations
RT Congenital Diseases
RT Genetics
RT Mutations
RT Sickle Cell Anemia
RT Sister Chromatid Exchanges

Heredity
DA December 1, 1974
USE Genetics

HERMEX PROCESS [01]
DA December 1, 1974
BT1 Reprocessing
BT2 Separation Processes
RT Solvent Extraction

HERMITE POLYNOMIALS [01]
DA December 1, 1974
BT1 Polynomials
BT2 Functions

HERMITIAN MATRIX [01]
DA December 1, 1974
BT1 Matrices

HERMITIAN OPERATORS [01]
DA December 1, 1974
BT1 Mathematical Operators

HERO REACTOR [01]
DA December 1, 1974
UF *Hot Experimental Reactor Zero Energy*
BT1 Carbon Dioxide Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Graphite Moderated Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

HEROIN [01]
DA December 1, 1974
UF *Diacetylmorphine*
BT1 Morphine
BT2 Alkaloids
BT3 Organic Compounds
BT2 Opium
BT3 Analgesics
BT4 Central Nervous System Depressants
BT5 Drugs
BT3 Narcotics
BT4 Central Nervous System Depressants
BT5 Drugs

HERPES SIMPLEX [01]
DA December 1, 1974
BT1 Skin Diseases
BT2 Diseases
BT1 Viral Diseases
BT2 Infectious Diseases
BT3 Diseases
RT Viruses

HERPES ZOSTER [01]
DA December 1, 1974
BT1 Nervous System Diseases
BT2 Diseases
BT1 Viral Diseases
BT2 Infectious Diseases
BT3 Diseases
RT Nerves
RT Viruses

HERTZSPRUNG-RUSSELL DIAGRAM [01]
DA December 1, 1974
BT1 Diagrams
RT Star Evolution

HESPERIDIN [01]
DA December 1, 1974
BT1 Flavones
BT2 Flavenoids
BT3 Organic Oxygen Compounds
BT4 Organic Compounds
BT1 Glycosides
BT2 Carbohydrates
BT3 Organic Compounds

HETEROCHROMATIN [01]
DA December 1, 1974
BT1 Chromatin
RT Chromosome Breakage

HETEROCHROMOSOMES [01]
DA December 1, 1974
UF *Sex Chromosomes*
BT1 Chromosomes
NT1 X Chromosome
NT2 Human X Chromosome
NT1 Y Chromosome
NT2 Human Y Chromosome
RT Chromosomal Aberrations
RT Sex

HETEROCYCLIC ACIDS [01]
DA December 1, 1974
BT1 Carboxylic Acids
BT2 Organic Acids
BT3 Organic Compounds
BT1 Heterocyclic Compounds
BT2 Organic Compounds
NT1 Bilirubin
NT1 Biliverdin
NT1 Biotin
NT1 Diodrast
NT1 Histidine
NT1 Hydroxyproline
NT1 Kynurenic Acid
NT1 Lysergic Acid
NT1 Nicotinic Acid
NT1 Orotic Acid
NT1 Picolinic Acid
NT1 Porphyrins
NT2 Chlorins
NT2 Chlorophyll
NT2 Etioporphyrins
NT2 Hematoporphyrins
NT2 Heme
NT2 Hemoglobin
NT3 Methemoglobin
NT2 Hemosiderin
NT2 Myoglobin
NT2 Protoporphyrins
NT1 Proline
NT1 Rhodamines
NT1 Stercobilin
NT1 Thioctic Acid
NT1 Tryptophan
NT1 Urobilinogen
NT1 Urocanic Acid
RT Nicotinamide

HETEROCYCLIC COMPOUNDS [01]
DA December 1, 1974
BT1 Organic Compounds
NT1 Azaarenes
NT2 Acridines
NT3 Acridine Orange
NT3 Acridones
NT3 Flavines
NT4 Acriflavine
NT4 Proflavine
NT2 Carbazoles
NT2 Indoles
NT3 Indigo
NT3 Indocyanine Green
NT3 Lysergic Acid
NT3 Reserpine
NT3 Strychnine
NT3 Tryptamines
NT4 Melatonin
NT4 Serotonin
NT5 Bufotenine
NT3 Tryptophan
NT3 Vinblastine

NT2 Phenanthrolines
NT3 Ferroin
NT3 Phenanthroline-Ortho
NT2 Pteridines
NT3 Aminopterin
NT3 Folic Acid
NT2 Purines
NT3 Adenines
NT4 Kinetin
NT3 Guanine
NT3 Guanosine
NT3 Hypoxanthine
NT3 Inosine
NT3 Mercaptopurine
NT3 Xanthines
NT4 Caffeine
NT4 Theobromine
NT4 Theophylline
NT4 Uric Acid
NT2 Quinolines
NT3 Ferron
NT3 Kynurenic Acid
NT3 Oxine
NT3 Quinaldine
* NT1 Azines
* NT1 Azoles
NT1 BEDT-TTF
NT1 Dioxane
NT1 Dioxin
NT1 Furans
NT2 Benzofurans
NT2 Furfural
NT2 Furildioxime
NT2 Tetrahydrofuran
NT3 MTHF
NT1 Guanethidine
* NT1 Heterocyclic Acids
NT1 Imipramine
NT1 Isoalloxazines
NT2 Diaphorase
NT1 Lactones
NT2 Coumarin
NT2 Gibberellic Acid
NT1 Morpholines
NT1 Phthalocyanines
NT1 Polycyclic Sulfur Heterocycles
NT1 Psoralen
NT1 Pyrans
NT2 Coumarin
NT2 Hematoxylin
NT2 Pyrones
NT3 Chromone
NT2 Quercetin
NT2 Tetrahydropyran
NT1 Thionaphthenes
NT1 Thionine
NT1 Thiophene
NT1 TMTSF
NT1 Trioxanes
NT1 TTA
NT1 TTF
NT1 TTF-TCNQ
RT Cyanine Dyes
RT Epoxides
RT Lactams
RT Squarylium Dyes

HETEROCYCLIC OXYGEN COMPOUNDS
DA August 8, 1978
UF+ *Oxetane*
UF+ *Polytetraoxane*
BT1 Organic Oxygen Compounds
BT2 Organic Compounds

HETERODYNE RECEIVERS [01]
DA June 12, 1975
UF *Superheterodyne Receivers*
BT1 Microwave Equipment
BT2 Electronic Equipment
BT3 Equipment
BT1 Radio Equipment
BT2 Electronic Equipment
BT3 Equipment
RT Frequency Converters
RT Radiometers

HETEROGENEOUS CATALYSIS [01]
DA July 20, 1984
BT1 Catalysis
DEF Catalysis occurring at a phase boundary, usually a solid-fluid interface.

HETEROGENEOUS EFFECTS [01]
DA December 1, 1974
RT Absorption
RT Homogenization Methods
RT Neutron Flux
RT Reactor Kinetics
RT Reservoir Rock
RT Shielding

HETEROGENEOUS REACTOR CORES [01]
DA June 13, 1981
BT1 Reactor Cores
BT2 Reactor Components
RT FBR Type Reactors
DEF Reactor cores using various types of fuel simultaneously.

HETEROJUNCTIONS [01]
(Prior to July 1981, this concept was indexed to SEMICONDUCTOR JUNCTIONS.)
DA July 18, 1981
BT1 Semiconductor Junctions
BT2 Junctions
RT Homojunctions

HETEROPOLY ACIDS
DA August 8, 1979
BT1 Inorganic Acids
BT2 Hydrogen Compounds
RT Heteropolyanions
DEF Complex acids of metals, whose specific gravity is >4, with phosphoric acid

HETEROPOLYANIONS [01]
DA December 1, 1974
BT1 Anions
BT2 Ions
BT3 Charged Particles
BT1 Complexes
RT Heteropoly Acids
RT Molybdophosphoric Acid
RT Tungstophosphoric Acid

Heterozygotes
DA December 1, 1974
USE Hybridization

HEULANDITE
DA January 23, 1976
BT1 Zeolites
BT2 Inorganic Ion Exchangers
BT3 Ion Exchange Materials
BT4 Materials
BT2 Silicate Minerals
BT3 Minerals
DEF A zeolite mineral: $Ca(Al_2Si_7O_{18}).6H_2O$, monoclinic.

HEUSLER ALLOYS [01]
DA December 1, 1974
BT1 Aluminium Alloys
BT2 Alloys
BT1 Copper Base Alloys
BT2 Copper Alloys
BT3 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Manganese Alloys
BT2 Alloys
RT Brass
RT Bronze

HEVEA [01]
DA December 1, 1974
BT1 Euphorbia
BT2 Magnoliopsida
BT3 Magnoliophyta
BT4 Plants
BT1 Trees
BT2 Plants

HEW-305 REACTOR [01]
DA December 1, 1974
UF *Hanford 305 Test Reactor*
BT1 Graphite Moderated Reactors
BT2 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

Hewlett-Packard Computers
DA December 1, 1974
USE HP Computers

HEXADECANE [01]
DA December 1, 1974
BT1 Alkanes
BT2 Hydrocarbons
BT3 Organic Compounds

HEXADECANOIC ACID [01]
DA December 1, 1974
UF *Palmitic Acid*
BT1 Monocarboxylic Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds

HEXADECAPOLES [01]
DA November 28, 1977
BT1 Multipoles

Hexagonal Close Packed
DA December 1, 1974
USE Hcp Lattices

HEXAGONAL CONFIGURATION [01]
DA December 1, 1974
BT1 Configuration

HEXAGONAL LATTICES [01]
DA December 1, 1974
BT1 Crystal Lattices
BT2 Crystal Structure
NT1 Hcp Lattices

Hexahydropyridines
DA December 1, 1974
USE Piperidines

Hexamethylenediaminetetraacetic Acid
DA December 1, 1974
USE HMDTA

Hexamethylenetetramine
DA December 1, 1974
USE Urotropin

HEXANE [01]
DA December 1, 1974
BT1 Alkanes
BT2 Hydrocarbons
BT3 Organic Compounds
RT Cyclohexane

HEXANOIC ACID [01]
DA December 1, 1974
UF *Caproic Acid*
BT1 Monocarboxylic Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds

HEXANOLS [01]
DA December 1, 1974
UF *Hexyl Alcohols*
BT1 Alcohols
BT2 Hydroxy Compounds
BT3 Organic Compounds

HEXAPOLAR CONFIGURATIONS [01]
DA December 1, 1974
BT1 Multipolar Configurations
BT2 Closed Configurations
BT3 Magnetic Field Configurations

HEXAPOLES [01]
DA December 1, 1974
BT1 Multipoles

HEXENES [01]
DA December 1, 1974
BT1 Alkenes

BT2 Hydrocarbons
BT3 Organic Compounds

HEXOKINASE [01]
DA December 1, 1974
BT1 Phosphotransferases
BT2 Phosphorus-Group Transferases
BT3 Transferases
BT4 Enzymes
BT5 Proteins
BT6 Organic Compounds

HEXOSAMINES [01]
DA December 1, 1974
BT1 Amines
BT2 Organic Compounds
BT1 Hexoses
BT2 Monosaccharides
BT3 Saccharides
BT4 Carbohydrates
BT5 Organic Compounds
NT1 Glucosamine

HEXOSES [01]
DA December 1, 1974
UF *Fucose*
BT1 Monosaccharides
BT2 Saccharides
BT3 Carbohydrates
BT4 Organic Compounds
NT1 Cycasin
NT1 Fructose
NT1 Galactose
NT1 Glucose
NT1 Hexosamines
NT2 Glucosamine
NT1 Mannose
NT1 Sorbose

HEXOSYL TRANSFERASES
(Code number 2.4.1.)
DA June 13, 1981
BT1 Glycosyl Transferases
BT2 Transferases
BT3 Enzymes
BT4 Proteins
BT5 Organic Compounds

Hexyl Alcohols
DA December 1, 1974
USE Hexanols

HEXYL RADICALS [01]
DA December 1, 1974
BT1 Alkyl Radicals
BT2 Radicals

HEYSHAM-A REACTOR [01]
(Heysham, Lanchashire, Uk)
DA December 1, 1974
BT1 AGR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 GCR Type Reactors
BT3 Gas Cooled Reactors
BT4 Reactors
BT3 Graphite Moderated Reactors
BT4 Reactors
BT1 Carbon Dioxide Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

HEYSHAM-B REACTOR [01]
(Heysham, Lanchashire, UK)
DA December 1, 1974
BT1 AGR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 GCR Type Reactors
BT3 Gas Cooled Reactors
BT4 Reactors
BT3 Graphite Moderated Reactors
BT4 Reactors
BT1 Carbon Dioxide Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

Hf Radiation
DA December 1, 1974
USE Short Wave Radiation

HFBR REACTOR [01]
(Association of Universities, Inc., Upton, New York, USA.)
DA December 1, 1974
UF *Brookhaven High Flux Beam Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Heavy Water Cooled Reactors
BT2 Reactors
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors
RT TRISTAN Separator

HFETR REACTOR [01]
DA June 12, 1986
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Materials Testing Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors

HFIR REACTOR [01]
(Oak Ridge National Lab., Oak Ridge, Tennessee, USA.)
DA December 1, 1974
UF *High Flux Isotope Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors

HFR REACTOR [01]
(Commission of the European Communities, Joint Research Centre, Petten, Netherlands.)
DA December 1, 1974
UF *High Flux Reactor Petten*
UF *Petten High Flux Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Materials Testing Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors

HFS
DA December 1, 1974
USE Hyperfine Structure

HGI2 SEMICONDUCTOR DETECTORS [01]
DA January 26, 1976
BT1 Semiconductor Detectors
BT2 Radiation Detectors
BT3 Measuring Instruments

HHIRF
(Prior to July 1986, this was a valid descriptor and older material is so indexed.)
DA July 23, 1977
USE HHIRF Accelerator

HHIRF ACCELERATOR [01]
DA October 20, 1978
UF *HHIRF*
UF *Holifield Heavy Ion Research Facility*
BT1 Heavy Ion Accelerators
BT2 Accelerators
RT Heavy Ions
RT ORNL Isochronous Cyclotron

HIBERNATION [01]
DA December 1, 1974
RT Aestivation
RT Hypothermia
RT Sleep

HICHLOR PROCESS
DA March 17, 1981
BT1 Waste Processing
BT2 Processing
BT2 Waste Management
BT3 Management
RT Aluminium
RT Chlorination
RT Fly Ash
RT Iron
RT Materials Recovery
RT Titanium
DEF High temperature chlorination of fly ash in the presence of a reductant for the extraction of aluminium, titanium, and iron.

HIDDEN VARIABLES [01]
DA February 6, 1975
UF *Nonmeasurable Variables*
RT Bell Theorem
RT Quantum Mechanics
DEF Unobservable variables, which together with the wave function, describe absolutely the state of a given system and thus, eliminates the indeterminacy of quantum mechanics.

HIFAR REACTOR [01]
(Australian Atomic Energy Commission, Nuclear and Technology Branch, Lucas Heights, Australia.)
DA December 1, 1974
UF *High Flux Australian Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Heavy Water Cooled Reactors
BT2 Reactors
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Materials Testing Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

HIGGS BOSONS [01]
DA November 1, 1976
BT1 Postulated Particles
BT2 Elementary Particles
RT Symmetry Breaking

HIGGS MODEL [01]
DA April 19, 1976
BT1 Particle Models
BT2 Mathematical Models
RT Instantons
RT Quantum Field Theory
RT SU-3 Groups
RT Vector Mesons
DEF The Higgs model is a gauge invariant model in which the scalar fields form an octet under SU(3). The model describes massive vector bosons

HIGH ALLOY STEELS [01]
DA December 6, 1988
BT1 Steels
BT2 Iron Base Alloys
BT3 Iron Alloys
BT4 Alloys
* NT1 Stainless Steels

High Altitude (Stratosphere)
DA December 1, 1974
USE Stratosphere

HIGH-BETA PLASMA [01]
(Beta from 0.1 to 1.)
DA December 1, 1974
BT1 Plasma
RT Beta Ratio

HIGH BTU GAS
(Over 900 Btu/ft^3.)
DA January 24, 1975
UF *Pipeline Quality Gas*
UF *SNG*
UF *Synthetic Natural Gas*
BT1 Fuel Gas
BT2 Gas Fuels
BT3 Fuels
BT2 Gases
BT3 Fluids
RT CRG Processes
RT CS-R Process
RT Gasynthan Process
RT Hygas Process
RT JGC Methane-Rich Gas Process
RT Kellogg Process
RT M-Gas Process
RT SNG Plants
RT SNG Processes

HIGH ENERGY PHYSICS [01]
(Use only for articles of a very broad nature such as an annual research program, etc.)
DA December 1, 1974
BT1 Physics
RT Nuclear Physics

High Energy Radiotherapy
DA December 1, 1974
USE Radiotherapy

High Explosives
DA December 1, 1974
USE Chemical Explosives

High Flux Australian Reactor
DA December 1, 1974
USE HIFAR Reactor

High Flux Isotope Reactor
DA December 1, 1974
USE HFIR Reactor

High Flux Neutron Source Facility
DA October 20, 1977
USE Neutron Source Facilities

High Flux Reactor Petten
DA December 1, 1974
USE HFR Reactor

HIGH FREQUENCY AMPLIFIERS [01]
DA December 1, 1974
BT1 Amplifiers
BT2 Electronic Equipment
BT3 Equipment

HIGH-FREQUENCY DISCHARGES [01]
DA June 30, 1975
UF *Microwave Discharges*
BT1 Electric Discharges
RT High-Frequency Heating
RT Plasma Production

HIGH-FREQUENCY HEATING [01]
DA December 1, 1974
BT1 Plasma Heating
BT2 Heating
NT1 ECR Heating
NT1 ICR Heating
NT1 Lower Hybrid Heating
NT1 Magnetic-Pumping Heating
NT2 Acoustic Heating
NT2 Collisional Heating
NT2 Transit-Time Magnetic Pumping
RT Drift Pumping
RT High-Frequency Discharges

High Frequency Radiation
DA December 1, 1974
USE Short Wave Radiation

HIGH-HEAD HYDROELECTRIC POWER PLANTS
(Prior to August 1978 HYDROELECTRIC POWER PLANTS was used.)
DA August 8, 1978
BT1 Hydroelectric Power Plants
BT2 Power Plants
DEF Heads greater than 500 ft.

HIGH INCOME GROUPS
DA October 23, 1978
BT1 Minority Groups
BT2 Human Populations
BT3 Populations
RT Income
RT Income Distribution
RT Low Income Groups
RT Socio-Economic Factors

HIGH-LEVEL RADIOACTIVE WASTES [01]
DA January 23, 1978
BT1 Radioactive Wastes
BT2 Radioactive Materials
BT3 Materials
BT2 Wastes
RT Ceramic Melters
RT Gorleben Salt Dome
RT Intermediate-Level Radioactive Wastes
RT Low-Level Radioactive Wastes
RT Monitored Retrievable Storage
RT Morsleben Salt Mine
RT Nuclear Waste Policy Acts
RT PAMELA Plant
RT US MRS Project
RT WIPP
DEF Waste characterized by radioactivity of hundreds to thousands of curies per gallon or cubic meter, by dose rates in rads per hour, or by heat generation in range of kilowatts per cubic meter; spent fuel elements and liquid wastes from reprocessing

High Performance Demonstration Experiment
DA February 11, 1980
USE MHD Generator AEDC

HIGH PRESSURE [01]
DA December 1, 1974
UF *Pressure (10-100 MPa)*
UF *Pressure (0100-1000 Atm)*
RT Pressure Dependence

HIGH PRESSURE COOLANT INJECTION [01]
DA January 30, 1975
UF *HPCI*
BT1 ECCS
BT2 Reactor Protection Systems
BT3 Engineered Safety Systems
RT Reactor Safety

HIGH-PURITY GE DETECTORS [01]
DA January 26, 1976
BT1 Ge Semiconductor Detectors
BT2 Semiconductor Detectors
BT3 Radiation Detectors
BT4 Measuring Instruments

HIGH SPIN STATES [01]
DA December 1, 1974
BT1 Energy Levels
RT Backbending
RT Spin

High-Sulfur Crude Oil
DA April 16, 1993
USE Sour Crudes

HIGH-TC SUPERCONDUCTORS [01]
DA March 2, 1990
BT1 Superconductors
RT Chalcogenides
RT Hubbard Model
RT Superconductivity
DEF Superconductors having critical temperature greater than 30 degrees Kelvin

High Temperature
(Prior to February 1992, this was a valid descriptor.)
DA December 1, 1974
USE Temperature Range 0400-1000 K

HIGH-TEMPERATURE FUEL CELLS [01]
DA January 23, 1975
BT1 Fuel Cells
BT2 Direct Energy Converters
BT2 Electrochemical Cells
NT1 Molten Carbonate Fuel Cells

High Temperature Gas Cooled and Graphite Moderated Reactors
DA December 1, 1974
USE HTGR Type Reactors

High Temperature Lattice Test Reactor
DA December 1, 1974
USE HTLTR Reactor

High-Temperature Winkler Process
DA October 5, 1982
USE HTW Process

HIGH VACUUM [01]
DA December 1, 1974
UF *Vacuum (0.13-0.13x10(-5) Pa)*
UF *Vacuum (10(-3)-10(-8) Torr)*
RT Cryopumps
RT Gettering
RT Getters
RT Pressure Dependence
RT Turbomolecular Pumps
RT Vacuum Pumps

High Voltage Alternating Current Systems
DA May 17, 1976
USE HVAC Systems

High Voltage Direct Current Systems
DA April 21, 1975
USE HVDC Systems

HIGH-VOLTAGE PULSE GENERATORS [01]
DA December 1, 1974
BT1 Pulse Generators
BT2 Function Generators
BT3 Electronic Equipment
BT4 Equipment

HIGHLAND URANIUM MILL [01]
(Uranium ore processing facility.)
DA January 24, 1975
BT1 Feed Materials Plants
BT2 Industrial Plants
BT2 Nuclear Facilities
RT Ore Processing
RT Uranium Ores

HIGHLY ENRICHED URANIUM [01]
(80 - 100 per cent.)
DA December 1, 1974
BT1 Enriched Uranium
BT2 Isotope Enriched Materials
BT3 Materials
BT2 Uranium
BT3 Actinides
BT4 Metals
BT5 Elements

Highways
DA January 28, 1975
USE Roads

HILACS [01]
DA December 1, 1974
UF *Heavy Ion Linear Accelerators*
BT1 Heavy Ion Accelerators
BT2 Accelerators
BT1 Linear Accelerators
BT2 Accelerators
NT1 SuperHilac
RT Heavy Ion Reactions
RT Heavy Ions

HILBERT SPACE [01]
DA December 1, 1974
BT1 Banach Space
BT2 Mathematical Space
BT3 Space

HILBERT TRANSFORMATION [01]
DA December 1, 1974
BT1 Integral Transformations
BT2 Transformations

HILL EQUATION [01]
DA December 1, 1974
BT1 Differential Equations
BT2 Equations

HILL-WHEELER THEORY [01]
DA December 1, 1974
RT Collective Model
RT Nuclear Models

→**HIMAC ACCELERATOR [01]**
(Heavy-Ion Medical Accelerator, Chiba, Japan.)
DA October 7, 1993
BT1 Heavy Ion Accelerators
BT2 Accelerators
BT1 Synchrotrons
BT2 Cyclic Accelerators
BT3 Accelerators

HIMALAYAS [01]
DA November 28, 1977
BT1 Mountains

HINKLEY POINT-A REACTOR [01]
(Hinkley Point, Somerset, UK)
DA December 1, 1974
BT1 Carbon Dioxide Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Magnox Type Reactors
BT2 GCR Type Reactors
BT3 Gas Cooled Reactors
BT4 Reactors
BT3 Graphite Moderated Reactors
BT4 Reactors
BT2 Natural Uranium Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

HINKLEY POINT-B REACTOR [01]
(Hinkley Point, Somerset, UK)
DA December 1, 1974
BT1 AGR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 GCR Type Reactors
BT3 Gas Cooled Reactors
BT4 Reactors
BT3 Graphite Moderated Reactors
BT4 Reactors
BT1 Carbon Dioxide Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

HIPERCO [01]
DA December 1, 1974
BT1 Cobalt Alloys
BT2 Alloys
BT1 Iron Base Alloys
BT2 Iron Alloys
BT3 Alloys

HIPPOCAMPUS [01]
DA February 23, 1982
BT1 Brain
BT2 Central Nervous System
BT3 Nervous System
BT2 Organs
BT3 Body
RT Receptors

HIPPURAN [01]
DA December 1, 1974
UF *Iodohippurate-Na*
UF *Sodium Iodohippurate*
BT1 Contrast Media
RT Hippuric Acid

HIPPURIC ACID [01]
DA December 1, 1974
UF *Benzoylaminoacetic Acid*
UF *Benzoylglycine*
UF *Benzoylglycocoll*
BT1 Amino Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
RT Glycine
RT Hippuran

Hipure Process
DA January 27, 1975
USE Desulfurization
DEF Process for gas purification if H_2S must be removed to one ppM or less and CO_2 to only a few ppM.

HIRFL
(Prior to July 1985, this was a valid descriptor and older material is so indexed.)
DA March 24, 1983
USE HIRFL Cyclotron

HIRFL CYCLOTRON [01]
(Heavy Ion Research Facility of Lanzhou, China.)
DA July 7, 1983
UF *HIRFL*
UF *Lanzhou Cyclotron*
BT1 Heavy Ion Accelerators
BT2 Accelerators
BT1 Isochronous Cyclotrons
BT2 Cyclotrons
BT3 Cyclic Accelerators
BT4 Accelerators

HIROHAX PROCESS
DA January 30, 1979
BT1 Desulfurization
BT2 Chemical Reactions
RT Waste Processing
DEF Wet oxidation of adsorbed sulfur compounds to sulfuric acid and ammonium sulfate.

HIROSHIMA [01]
DA December 1, 1974
BT1 Japan
BT2 Asia
BT2 Developed Countries
RT A-Bomb Survivors
RT Little Boy
RT Nuclear Explosions
RT Nuclear Weapons

HISPANIC AMERICANS
DA January 21, 1982
UF *American Hispanics*
BT1 Minority Groups
BT2 Human Populations
BT3 Populations
RT Sociology

HISPANIOLA [01]
DA February 11, 1980
BT1 Greater Antilles
BT2 West Indies
BT3 Islands
NT1 Dominican Republic
NT1 Haiti

HISTAMINASE [01]
DA December 1, 1974
BT1 Amine Oxidases
BT2 Oxidoreductases
BT3 Enzymes
BT4 Proteins
BT5 Organic Compounds

HISTAMINE [01]
DA December 1, 1974
BT1 Amines
BT2 Organic Compounds
BT1 Imidazoles
BT2 Azoles
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
RT Allergy
RT Antihistaminics
RT Capillaries

HISTIDINE [01]
DA December 1, 1974
BT1 Amino Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT1 Heterocyclic Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT2 Heterocyclic Compounds
BT3 Organic Compounds
BT1 Imidazoles
BT2 Azoles
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds

HISTOCOMPATIBILITY COMPLEX
DA April 15, 1988
BT1 Antigens
RT Graft-Host Reaction
RT Immune System Diseases
RT Immunosuppression
RT Lymphocytes

HISTOLOGICAL TECHNIQUES [01]
DA December 16, 1975
RT Histology
RT Microscopy
RT Stains
RT Tissues

HISTOLOGY [01]
DA December 1, 1974
RT Histological Techniques
RT Microscopy
RT Tissues

HISTONES [01]
DA December 1, 1974
RT Nucleoproteins
RT Nucleosomes

HISTORICAL ASPECTS [01]
DA July 7, 1983

RT Archaeology
RT Cultural Objects
RT Research Programs
RT Sociology

HITACHI COMPUTERS [01]
DA February 4, 1986
BT1 Computers

Hitachi Training Reactor
DA December 1, 1974
USE HTR Reactor

HITACHI ZOSEN PROCESS
DA June 20, 1983
RT Air Pollution Control
RT Denitrification
RT Flue Gas
DEF A denitrification process in which ammonia is added to flue gas to selectively reduce nitrogen oxides to nitrogen in a catalytic reactor.

HITREX-1 REACTOR [01]
DA April 13, 1977
BT1 Graphite Moderated Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

HITREX-2 Reactor
(Prior to June 1991, this was a valid descriptor.)
DA August 20, 1984
USE Zero Power Reactors

HK 40
DA August 9, 1979
USE Steel-Cr25Ni20

HL-1 TOKAMAK [01]
(Southwestern Institute of Physics, Leshan, Sichuan, China.)
DA January 3, 1990
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

HMDTA [01]
DA December 1, 1974
UF *Hexamethylenediaminetetraacetic Acid*
BT1 Amino Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT1 Chelating Agents

HNPF REACTOR [01]
DA December 1, 1974
UF *Hallam Nuclear Power Facility*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Graphite Moderated Reactors
BT2 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Sodium Cooled Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

HO2
DA November 8, 1982
USE Hydroperoxy Radicals

HODGKINS DISEASE [01]
DA December 1, 1974
UF *Lymphogranuloma Malignum*
UF *Lymphogranulomatosis*
BT1 Lymphomas
BT2 Immune System Diseases
BT3 Diseases
BT2 Neoplasms
BT3 Diseases

HODOSCOPES [01]
DA December 1, 1974
RT Counting Techniques
RT Telescope Counters

HOELTER PROCESS
DA March 4, 1977
BT1 Desulfurization
BT2 Chemical Reactions
RT Waste Processing
DEF Reaction of flue gas SO_2, dissolved in scrub water, with milk of lime in the presence of chloride ion to prevent the precipitation of carbonate and promote the precipitation of $CaSO_3$ which is oxidized to $CaSO_4$.

Hoffman Process
(Prior to July 1993, this was a valid descriptor.)
DA April 17, 1981
USE Coal Gasification
DEF Gasification process using entrained mixture of coal and alkali in superheated steam in ebullated catalyst bed.

Hog Fuel
DA April 11, 1979
USE Wood Wastes

Hoger Onderwijs Reactor
DA December 1, 1974
USE HOR Reactor

HOISTING
DA May 3, 1978
BT1 Materials Handling
RT Mine Haulage

HOISTS
DA January 21, 1975
BT1 Materials Handling Equipment
BT2 Equipment
RT Cranes
RT Grabs
RT Materials Handling
RT Winches

HOKURIKU-1 REACTOR [01]
DA December 1, 1974
BT1 Power Reactors
BT2 Reactors

HOLE MOBILITY [01]
DA December 1, 1974
BT1 Mobility

HOLES [01]
(Absence of electrons from otherwise filled electron bands; see also BLACK HOLES, CAVITIES, OPENINGS, BOREHOLES, and VOIDS.)
DA December 1, 1974
UF *Electron Holes*
RT Charge Carriers
RT Electron-Hole Coupling
RT Electron-Hole Droplets
RT Point Defects
RT Quasi Particles
RT Trapping
RT Traps

Holifield Heavy Ion Research Facility
DA July 23, 1977
USE HHIRF Accelerator

HOLLANDITE [01]
DA June 13, 1981
BT1 Oxide Minerals
BT2 Minerals
RT Aluminium Oxides
RT Barium Oxides
RT SYNROC Process
RT Titanium Oxides

HOLLOW CATHODES [01]
DA December 1, 1974
BT1 Cathodes
BT2 Electrodes

HOLLOW FUEL RODS [01]
DA December 1, 1974
BT1 Fuel Rods
BT2 Fuel Elements
BT3 Reactor Components

HOLLY EVENT [01]
DA March 12, 1976
BT1 Hardtack Project
BT2 Nuclear Explosions
BT3 Explosions
BT1 Surface Explosions
BT2 Explosions

HOLMES-STRETFORD PROCESS
DA January 24, 1975
BT1 Desulfurization
BT2 Chemical Reactions
DEF Process for removal of sulfur compounds from fuel gas manufactured from coal.

HOLMIUM [01]
DA December 1, 1974
BT1 Rare Earths
BT2 Metals
BT3 Elements

HOLMIUM 144 [01]
DA May 1, 1987
BT1 Holmium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

HOLMIUM 145 [01]
DA May 23, 1988
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Holmium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

HOLMIUM 146 [01]
DA September 8, 1981
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Holmium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

HOLMIUM 147 [01]
DA June 7, 1982
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes

BT3 Radioisotopes
BT4 Isotopes
BT1 Holmium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

HOLMIUM 148 [01]
DA April 11, 1979
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Holmium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

HOLMIUM 149 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Holmium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

HOLMIUM 150 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Holmium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

HOLMIUM 151 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Holmium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

HOLMIUM 152 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Holmium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

HOLMIUM 153 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Holmium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

HOLMIUM 154 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Holmium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

HOLMIUM 155 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Holmium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

HOLMIUM 156 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Holmium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

HOLMIUM 157 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Holmium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

HOLMIUM 158 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Holmium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes

BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

HOLMIUM 159 [01]
DA December 1, 1974
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Holmium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

HOLMIUM 160 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Holmium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

HOLMIUM 161 [01]
DA December 1, 1974
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Holmium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

HOLMIUM 162 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Holmium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

HOLMIUM 163 [01]
DA December 1, 1974
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Holmium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

HOLMIUM 164 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Holmium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

HOLMIUM 165 [01]
DA December 1, 1974
BT1 Holmium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

HOLMIUM 165 REACTIONS [01]
DA July 8, 1982
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

HOLMIUM 165 TARGET [01]
DA July 9, 1976
BT1 Targets

HOLMIUM 166 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Holmium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

HOLMIUM 167 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Holmium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

HOLMIUM 168 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Holmium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

HOLMIUM 169 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Holmium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei

BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

HOLMIUM 170 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Holmium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

HOLMIUM 171 [01]
DA April 7, 1988
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Holmium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

→**HOLMIUM 172 [01]**
DA January 14, 1991
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Holmium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

HOLMIUM ADDITIONS [01]
DA December 1, 1974
BT1 Holmium Alloys
BT2 Rare Earth Alloys
BT3 Alloys
BT1 Rare Earth Additions
BT2 Rare Earth Alloys
BT3 Alloys

HOLMIUM ALLOYS [01]
DA December 1, 1974
BT1 Rare Earth Alloys
BT2 Alloys
NT1 Holmium Additions
NT1 Holmium Base Alloys

HOLMIUM BASE ALLOYS [01]
DA December 1, 1974
BT1 Holmium Alloys
BT2 Rare Earth Alloys
BT3 Alloys

HOLMIUM BORIDES [01]
DA December 1, 1974
BT1 Borides
BT2 Boron Compounds
BT1 Holmium Compounds
BT2 Rare Earth Compounds

HOLMIUM BROMIDES [01]
DA April 8, 1975
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Holmium Compounds
BT2 Rare Earth Compounds

HOLMIUM CARBIDES [01]
DA December 1, 1974
BT1 Carbides
BT2 Carbon Compounds
BT1 Holmium Compounds
BT2 Rare Earth Compounds

HOLMIUM CARBONATES [01]
DA May 11, 1989
BT1 Carbonates
BT2 Carbon Compounds
BT2 Oxygen Compounds
BT1 Holmium Compounds
BT2 Rare Earth Compounds

HOLMIUM CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Holmium Compounds
BT2 Rare Earth Compounds

HOLMIUM COMPLEXES [01]
DA December 1, 1974
BT1 Rare Earth Complexes
BT2 Complexes

HOLMIUM COMPOUNDS [01]
DA December 1, 1974
BT1 Rare Earth Compounds
NT1 Holmium Borides
NT1 Holmium Bromides
NT1 Holmium Carbides
NT1 Holmium Carbonates
NT1 Holmium Chlorides
NT1 Holmium Fluorides
NT1 Holmium Hydrides
NT1 Holmium Hydroxides
NT1 Holmium Iodides
NT1 Holmium Nitrates
NT1 Holmium Nitrides
NT1 Holmium Oxides
NT1 Holmium Perchlorates
NT1 Holmium Phosphates
NT1 Holmium Phosphides
NT1 Holmium Selenides
NT1 Holmium Silicates
NT1 Holmium Silicides
NT1 Holmium Sulfates
NT1 Holmium Sulfides
NT1 Holmium Tellurides

HOLMIUM FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Holmium Compounds
BT2 Rare Earth Compounds

HOLMIUM HYDRIDES [01]
DA December 1, 1974
BT1 Holmium Compounds
BT2 Rare Earth Compounds
BT1 Hydrides
BT2 Hydrogen Compounds

HOLMIUM HYDROXIDES [01]
DA December 1, 1974
BT1 Holmium Compounds
BT2 Rare Earth Compounds
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds

HOLMIUM IODIDES [01]
DA January 21, 1975
BT1 Holmium Compounds
BT2 Rare Earth Compounds
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds

HOLMIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

HOLMIUM ISOTOPES [01]
DA December 1, 1974
BT1 Rare Earth Isotopes
BT2 Isotopes
NT1 Holmium 144
NT1 Holmium 145
NT1 Holmium 146
NT1 Holmium 147
NT1 Holmium 148
NT1 Holmium 149
NT1 Holmium 150
NT1 Holmium 151
NT1 Holmium 152
NT1 Holmium 153
NT1 Holmium 154
NT1 Holmium 155
NT1 Holmium 156
NT1 Holmium 157
NT1 Holmium 158
NT1 Holmium 159
NT1 Holmium 160
NT1 Holmium 161
NT1 Holmium 162
NT1 Holmium 163
NT1 Holmium 164
NT1 Holmium 165
NT1 Holmium 166
NT1 Holmium 167
NT1 Holmium 168
NT1 Holmium 169
NT1 Holmium 170
NT1 Holmium 171
NT1 Holmium 172

HOLMIUM NITRATES [01]
DA December 1, 1974
BT1 Holmium Compounds
BT2 Rare Earth Compounds
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds

HOLMIUM NITRIDES [01]
DA December 1, 1974
BT1 Holmium Compounds
BT2 Rare Earth Compounds
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides

HOLMIUM OXIDES [01]
DA December 1, 1974
BT1 Holmium Compounds
BT2 Rare Earth Compounds
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds

HOLMIUM PERCHLORATES [01]
DA October 28, 1975
BT1 Holmium Compounds
BT2 Rare Earth Compounds
BT1 Perchlorates
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Oxygen Compounds

HOLMIUM PHOSPHATES [01]
DA October 1, 1975
BT1 Holmium Compounds
BT2 Rare Earth Compounds
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds

HOLMIUM PHOSPHIDES [01]
DA April 12, 1977
BT1 Holmium Compounds
BT2 Rare Earth Compounds
BT1 Phosphides

BT2 Phosphorus Compounds
BT2 Pnictides

HOLMIUM SELENIDES [01]
DA December 22, 1977
BT1 Holmium Compounds
BT2 Rare Earth Compounds
BT1 Selenides
BT2 Chalcogenides
BT2 Selenium Compounds

HOLMIUM SILICATES [01]
DA December 1, 1982
BT1 Holmium Compounds
BT2 Rare Earth Compounds
BT1 Silicates
BT2 Oxygen Compounds
BT2 Silicon Compounds

HOLMIUM SILICIDES [01]
DA December 16, 1975
BT1 Holmium Compounds
BT2 Rare Earth Compounds
BT1 Silicides
BT2 Silicon Compounds

HOLMIUM SULFATES [01]
DA December 1, 1974
BT1 Holmium Compounds
BT2 Rare Earth Compounds
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds

HOLMIUM SULFIDES [01]
DA December 1, 1974
BT1 Holmium Compounds
BT2 Rare Earth Compounds
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds

HOLMIUM TELLURIDES [01]
DA May 3, 1978
BT1 Holmium Compounds
BT2 Rare Earth Compounds
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds

Holocene Epoch
DA October 20, 1977
USE Quaternary Period

HOLOGRAPHY [01]
DA December 1, 1974
RT Optical Computers
RT Photography

HOLTSMARK THEORY [01]
DA December 1, 1974
RT Plasma

HOLZHEIMER PROCESS
DA May 5, 1975
RT Oil Shales
DEF Process for the underground gasification of oil shale, making use of the total energy content of the shale. Waste heat is utilized in special steam generators and distillation columns.

HOMALITE [01]
DA March 27, 1979
BT1 Polyesters
BT2 Esters
BT3 Organic Compounds
BT2 Organic Polymers
BT3 Organic Compounds
BT3 Polymers
RT Araldite
RT Photoelasticity
RT Stress Analysis
DEF Brittle polyester used in photoelastic analysis of crack propagation in PWR pressure vessels under LOCA conditions.

HOME RANGE
DA May 13, 1976
RT Ecology
RT Wild Animals
DEF The area to which the activities of an animal are confined.

HOMEOSTASIS [01]
DA December 1, 1974
RT Biological Recovery
RT Blood
RT Blood-Brain Barrier
RT Endocrine Glands
RT Hormones
RT Hypothalamus
RT Physiology
RT Pituitary Gland

HOMOCYSTEINE [01]
DA December 1, 1974
BT1 Amino Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
RT Cysteine

HOMOCYSTINE [01]
DA December 1, 1974
BT1 Amino Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
RT Cystine

HOMOGENATES [01]
DA December 1, 1974
RT Animal Cells
RT Biological Materials
RT In Vitro
RT Organs
RT Tissues

HOMOGENEOUS CATALYSIS [01]
DA July 20, 1984
BT1 Catalysis
DEF Catalysis occurring within a single phase, usually a gas or liquid.

HOMOGENEOUS MIXTURES [01]
DA December 1, 1974
BT1 Mixtures
BT2 Dispersions
RT Solutions

HOMOGENEOUS PLASMA [01]
DA December 1, 1974
BT1 Plasma

Homogeneous Reactor Experiment 2
DA December 1, 1974
USE HRE-2 Reactor

HOMOGENEOUS REACTORS [01]
DA December 1, 1974
BT1 Reactors
NT1 Fuel Dispersion Reactors
NT2 Fluidized Bed Reactors
NT2 Slurry Reactors
NT1 Gas Fueled Reactors
NT2 Coaxial Flow Reactors
NT2 Light Bulb Reactors
NT2 Plasma Core Assembly
* **NT1** Liquid Homogeneous Reactors
* **NT1** Solid Homogeneous Reactors

HOMOGENIZATION METHODS [01]
DA August 4, 1981
BT1 Calculation Methods
RT Heterogeneous Effects
RT Neutron Diffusion Equation
RT Neutron Flux
RT Neutron Transport Theory
RT Reactor Lattice Parameters
DEF Methods in which the heterogeneities of the reactor core must be considered in separate calculations in which the equivalent homogenized parameters are produced for use in subsequent calculatons of the overall flux distribution in the reactor.

HOMOJUNCTIONS
DA July 18, 1981
BT1 Semiconductor Junctions
BT2 Junctions
RT Heterojunctions

HOMOPOLAR GENERATORS
DA May 18, 1981
UF *Homopolar Machines*
BT1 Electric Generators
RT Direct Current
DEF A d-c generator in which the poles presented to the armature are all of the same polarity.

Homopolar Machines
DA May 18, 1981
USE Homopolar Generators

HONDURAS [01]
DA December 1, 1974
BT1 Central America
BT2 Latin America
BT1 Developing Countries

HONEY [01]
DA September 11, 1975
BT1 Food

HONEYCOMB STRUCTURES [01]
DA January 7, 1976
BT1 Mechanical Structures
RT Composite Materials
RT Solar Collectors

HONEYLOCUST TREES [01]
DA May 18, 1981
BT1 Leguminosae
BT2 Magnoliopsida
BT3 Magnoliophyta
BT4 Plants
BT1 Trees
BT2 Plants
RT Locust Trees

HONEYWELL COMPUTERS [01]
DA December 1, 1974
BT1 Computers

HONG KONG [01]
DA December 1, 1974
BT1 Asia

HONING [01]
DA December 1, 1974
BT1 Machining
RT Grinding

HOOKE LAW [01]
DA December 1, 1974
RT Elasticity
RT Poisson Ratio
RT Young Modulus

HOOKWORM [01]
DA June 16, 1975
BT1 Nematodes
BT2 Aschelminthes
BT3 Helminths
BT4 Parasites
NT1 Nippostrongylus
RT Parasitic Diseases

HOPE CREEK-1 REACTOR [01]
(Salem, New Jersey, USA. Prior to November 1973 known as NEWBOLD ISLAND-1 REACTOR, for the initially planned site, and older material is so indexed.)
DA December 1, 1974
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

HOPE CREEK-2 REACTOR [01]
(Salem, New Jersey, USA. Prior to November 1973 known as Newbold Island-2 Reactor for the initially planned site, and older material is so indexed.)
DA December 1, 1974
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

HOPPERS
DA March 4, 1977
UF *Bunkers*
BT1 Containers

HOR REACTOR [01]
(Interuniversitair Reactor Instituut, Technische Hogeschool Delft, Delft, Netherlands.)
DA December 1, 1974
UF *Delft Hoger Onderwijs Reactor*
UF *Hoger Onderwijs Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors

HORACE REACTOR [01]
DA December 1, 1974
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

Hordeum
DA December 1, 1974
USE Barley

HORIZONTAL AXIS TURBINES [01]
DA August 22, 1985
BT1 Wind Turbines
BT2 Turbines
BT3 Turbomachinery
BT4 Machinery
BT5 Equipment
RT Diffuser Augmented Turbines
RT Tipvane Rotors
RT Vortex Augmented Turbines

Horizontal Concentration
DA April 12, 1979
USE Horizontal Integration

Horizontal Diversification
DA April 12, 1979
USE Horizontal Integration

HORIZONTAL DIVESTITURE
DA September 19, 1977
RT Petroleum Industry
RT Regulations

HORIZONTAL INTEGRATION
DA April 12, 1979
UF *Horizontal Concentration*
UF *Horizontal Diversification*
RT Competition
RT Industry
RT Petroleum Industry

HORMONE ANTAGONISTS
DA April 20, 1981
BT1 Drugs
NT1 Antiandrogens
NT1 Antithyroid Drugs
NT2 Thiocyanates
NT3 Ammonium Thiocyanates
NT2 Thiouracil
NT2 Thiourea
RT Endocrine Diseases
RT Hormones

HORMONES [01]
DA December 1, 1974
* **NT1** Adrenal Hormones
NT1 Lactogens
NT2 HPL
* **NT1** Peptide Hormones
* **NT1** Steroid Hormones
RT Abscisic Acid
RT Biochemistry
RT Endocrine Diseases
RT Endocrine Glands
RT Homeostasis
RT Hormone Antagonists
RT Intrinsic Factor
RT Physiology
RT Prostaglandins
RT Receptors
RT Steroids
RT Stimulation

HORNBLENDE [01]
DA December 1, 1974
BT1 Amphibole
BT2 Silicate Minerals
BT3 Minerals
BT1 Silicate Minerals
BT2 Minerals
RT Peridotites

HORNFELSES
DA August 12, 1980
BT1 Metamorphic Rocks
BT2 Rocks

HORSES [01]
DA December 1, 1974
BT1 Mammals
BT2 Vertebrates
BT3 Animals

HORTICULTURE [01]
DA October 27, 1980
BT1 Agriculture
RT Gardening
RT Greenhouses
RT Harvesting
DEF The science of growing fruits, vegetables, flowers, and ornamental plants.

HOSE INSTABILITY [01]
DA May 5, 1975
UF *Firehose Instability*
UF *Gardenhose Instability*
BT1 Plasma Microinstabilities
BT2 Plasma Instability
BT3 Instability

HOSES
DA January 7, 1976
RT Pipes
RT Tubes

HOSKINS 875
DA January 21, 1975
BT1 Aluminium Alloys
BT2 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Iron Base Alloys
BT2 Iron Alloys
BT3 Alloys

HOSPITALS [01]
DA December 1, 1974
BT1 Buildings
BT1 Medical Establishments
RT Health Services
RT Medicine
RT Public Buildings

HOST [01]
DA December 1, 1974
RT Bacterial Diseases
RT Fungal Diseases
RT Graft-Host Reaction
RT Parasitic Diseases
RT Rickettsial Diseases
RT Transplants
RT Viral Diseases

HOST-CELL REACTIVATION [01]
DA December 1, 1974
BT1 Biological Repair
BT2 Biological Recovery
BT2 Repair
RT Bacteria
RT Bacteriophages
RT Chemical Radiation Effects
RT DNA
RT Radiation Injuries

HOT ATOM CHEMISTRY [01]
DA December 1, 1974
UF *Recoil Chemistry*
BT1 Radiochemistry
BT2 Chemistry
NT1 Szilard-Chalmers Reaction
RT Nuclear Reactions
RT Recoils
RT Retention
RT Scavenging
RT Valence
DEF Chemical reactions of atoms or ions of high kinetic energies (more than 1 eV) resulting from nuclear transformations.

HOT CELLS [01]
DA December 1, 1974
BT1 Laboratory Equipment
BT2 Equipment
RT Gloveboxes
RT Hot Labs
RT Manipulators
RT Periscopes
RT Radiation Protection
RT Remote Handling
RT Remote Handling Equipment
RT Remote Viewing Equipment
RT Shielding
DEF Shielded chambers for remote handling of radioactive materials.

HOT CHANNEL [01]
DA December 1, 1974
RT Fuel Channels
RT Hot Channel Factor
RT Reactor Cooling Systems

HOT CHANNEL FACTOR [01]
DA December 1, 1974
RT Hot Channel
RT Reactor Safety

HOT DIPPING [01]
DA December 1, 1974
BT1 Dip Coating
BT2 Surface Coating
BT3 Deposition

HOT-DRY-ROCK SYSTEMS [01]
DA January 23, 1975
UF *Impermeable Dry Rock*
BT1 Energy Systems
BT1 Geothermal Systems
RT Hydraulic Fractures

Hot Enriched Carbon Moderated Thermal Oscillator Reactor
DA December 1, 1974
USE Hector Reactor

Hot Experiment Facility
DA October 27, 1980
USE HEF

Hot Experimental Reactor Zero Energy
DA December 1, 1974
USE Hero Reactor

HOT GAS CLEANUP [01]
DA April 27, 1978
BT1 Purification
RT Acoustic Agglomerators
RT Combined-Cycle Power Plants
RT Desulfurization
RT Electrostatic Precipitators
RT Filtration

HOT LABS [01]
DA December 1, 1974
UF *Radiochemical Laboratories*
BT1 Laboratories
BT1 Nuclear Facilities
RT Hot Cells
RT Laboratory Equipment
RT Manipulators
RT Periscopes
RT Radiation Hazards
RT Radiation Protection
RT Radioactivity
RT Remote Handling

HOT PLASMA [01]
DA December 1, 1974
BT1 Plasma

HOT PRESSING [01]
DA December 1, 1974
BT1 Pressing
BT2 Materials Working
BT3 Fabrication
RT Hot Working

HOT SPOT FACTOR [01]
DA December 1, 1974
RT Hot Spots
RT Reactor Safety

HOT SPOTS [01]
DA December 1, 1974
RT Burnout
RT Dryout
RT Fuel Cans
RT Heat Transfer
RT Hot Spot Factor
RT Reactor Cooling Systems
RT Rewetting
RT Volcanoes

Hot Spots (Biological)
DA December 1, 1974
USE Biological Hot Spots

HOT SPRINGS
DA January 23, 1975
SF *Geothermal Springs*
BT1 Thermal Springs
BT2 Water Springs
NT1 Geysers
NT2 Old Faithful Geyser
RT Hydrothermal Systems
RT Mineral Springs
RT Thermal Waters
DEF Spring whose temperature is above that of the human body.

HOT WATER
DA October 23, 1978
BT1 Water
BT2 Hydrogen Compounds
BT2 Oxygen Compounds
RT District Heating
RT Water Heating

Hot Water Heaters
DA January 27, 1981
USE Water Heaters

HOT-WATER PROCESSES
DA January 28, 1975
BT1 Fluid Injection Processes
RT Oil Sands
RT Oil Shales
DEF A process used primarily in processing of oil (tar) sands to separate tar from sand.

Hot-Water Systems
(Prior to August 1992 this was a valid descriptor.)
DA January 23, 1975
USE Geothermal Hot-Water Systems

HOT WIRE ANEMOMETERS [01]
DA December 1, 1974
BT1 Anemometers
BT2 Measuring Instruments

HOT-WIRE GAGES [01]
DA December 1, 1974
BT1 Pressure Gages
BT2 Measuring Instruments
NT1 Pirani Gages

HOT WORKING [01]
DA December 1, 1974
BT1 Materials Working
BT2 Fabrication
RT Extrusion
RT Forging
RT Hot Pressing
RT Rolling

HOTELS
DA December 17, 1979
UF *Inns*
UF *Motels*
UF *Motor Inns*
BT1 Commercial Buildings
BT2 Buildings
RT Residential Buildings
RT Tourism

Hough-Powell Devices
DA December 1, 1974
USE Flying Spot Digitizers

HOURLY VARIATIONS [01]
DA March 4, 1980
BT1 Variations

HOURS LIVING RADIOISOTOPES [01]
DA December 1, 1974
BT1 Radioisotopes
BT2 Isotopes
NT1 Actinium 224
NT1 Actinium 226
NT1 Actinium 228
NT1 Actinium 229
NT1 Americium 237
NT1 Americium 238
NT1 Americium 239
NT1 Americium 240
NT1 Americium 242
NT1 Americium 244
NT1 Americium 245
NT1 Antimony 116
NT1 Antimony 117
NT1 Antimony 118
NT1 Antimony 128
NT1 Antimony 129
NT1 Argon 41
NT1 Arsenic 78
NT1 Astatine 207
NT1 Astatine 208
NT1 Astatine 209
NT1 Astatine 210
NT1 Astatine 211
NT1 Barium 126
NT1 Barium 129
NT1 Barium 139
NT1 Berkelium 243
NT1 Berkelium 244
NT1 Berkelium 248
NT1 Berkelium 250
NT1 Bismuth 201
NT1 Bismuth 202
NT1 Bismuth 203
NT1 Bismuth 204
NT1 Bismuth 212
NT1 Bromine 75
NT1 Bromine 76
NT1 Bromine 80
NT1 Bromine 83
NT1 Cadmium 107
NT1 Cadmium 117
NT1 Californium 246
NT1 Californium 247
NT1 Californium 255
NT1 Cerium 132
NT1 Cerium 133
NT1 Cerium 135
NT1 Cerium 137
NT1 Cesium 127
NT1 Cesium 134
NT1 Chromium 48
NT1 Cobalt 55
NT1 Cobalt 58
NT1 Cobalt 61
NT1 Copper 61
NT1 Copper 64
NT1 Curium 238
NT1 Curium 239
NT1 Curium 249
NT1 Dysprosium 152
NT1 Dysprosium 153
NT1 Dysprosium 155
NT1 Dysprosium 157
NT1 Dysprosium 165
NT1 Einsteinium 249
NT1 Einsteinium 250
NT1 Einsteinium 254
NT1 Einsteinium 256
NT1 Erbium 158
NT1 Erbium 161
NT1 Erbium 163
NT1 Erbium 165
NT1 Erbium 171
NT1 Europium 150
NT1 Europium 152
NT1 Europium 157
NT1 Fermium 251
NT1 Fermium 252
NT1 Fermium 254
NT1 Fermium 255
NT1 Fermium 256
NT1 Fluorine 18
NT1 Gadolinium 159
NT1 Gallium 66
NT1 Gallium 68
NT1 Gallium 72
NT1 Gallium 73
NT1 Germanium 66
NT1 Germanium 75
NT1 Germanium 77
NT1 Germanium 78
NT1 Gold 191
NT1 Gold 192
NT1 Gold 193
NT1 Gold 196
NT1 Gold 200
NT1 Hafnium 169
NT1 Hafnium 170
NT1 Hafnium 171
NT1 Hafnium 173
NT1 Hafnium 180
NT1 Hafnium 182
NT1 Hafnium 183
NT1 Hafnium 184
NT1 Holmium 158
NT1 Holmium 160
NT1 Holmium 161
NT1 Holmium 162
NT1 Holmium 167
NT1 Indium 109
NT1 Indium 110
NT1 Indium 113
NT1 Indium 115
NT1 Indium 117
NT1 Iodine 120
NT1 Iodine 121
NT1 Iodine 123
NT1 Iodine 126
NT1 Iodine 130
NT1 Iodine 132
NT1 Iodine 133
NT1 Iodine 135
NT1 Iridium 184
NT1 Iridium 185
NT1 Iridium 186
NT1 Iridium 187
NT1 Iridium 190
NT1 Iridium 194
NT1 Iridium 195
NT1 Iridium 196
NT1 Iron 52
NT1 Krypton 76
NT1 Krypton 77

NT1 Krypton 83
NT1 Krypton 85
NT1 Krypton 87
NT1 Krypton 88
NT1 Lanthanum 131
NT1 Lanthanum 132
NT1 Lanthanum 133
NT1 Lanthanum 135
NT1 Lanthanum 141
NT1 Lanthanum 142
NT1 Lead 198
NT1 Lead 199
NT1 Lead 200
NT1 Lead 201
NT1 Lead 202
NT1 Lead 204
NT1 Lead 209
NT1 Lead 212
NT1 Lutetium 167
NT1 Lutetium 176
NT1 Lutetium 179
NT1 Magnesium 28
NT1 Manganese 56
NT1 Mendelevium 256
NT1 Mendelevium 257
NT1 Mendelevium 259
NT1 Mercury 192
NT1 Mercury 193
NT1 Mercury 195
NT1 Mercury 197
NT1 Molybdenum 90
NT1 Molybdenum 93
NT1 Neodymium 138
NT1 Neodymium 139
NT1 Neodymium 141
NT1 Neodymium 149
NT1 Neptunium 236
NT1 Neptunium 240
NT1 Neptunium 241
NT1 Nickel 65
NT1 Niobium 89
NT1 Niobium 90
NT1 Niobium 96
NT1 Niobium 97
NT1 Osmium 181
NT1 Osmium 182
NT1 Osmium 183
NT1 Osmium 189
NT1 Osmium 191
NT1 Palladium 101
NT1 Palladium 109
NT1 Palladium 111
NT1 Palladium 112
NT1 Platinum 184
NT1 Platinum 185
NT1 Platinum 186
NT1 Platinum 187
NT1 Platinum 189
NT1 Platinum 197
NT1 Platinum 200
NT1 Plutonium 234
NT1 Plutonium 243
NT1 Plutonium 245
NT1 Polonium 204
NT1 Polonium 205
NT1 Polonium 207
NT1 Potassium 42
NT1 Potassium 43
NT1 Praseodymium 136
NT1 Praseodymium 137
NT1 Praseodymium 138
NT1 Praseodymium 139
NT1 Praseodymium 142
NT1 Praseodymium 145
NT1 Promethium 150
NT1 Promethium 151
NT1 Protactinium 228
NT1 Protactinium 234
NT1 Radium 230
NT1 Radon 210
NT1 Radon 211
NT1 Radon 224
NT1 Rhenium 180
NT1 Rhenium 181
NT1 Rhenium 182
NT1 Rhenium 188
NT1 Rhenium 189
NT1 Rhenium 190
NT1 Rhodium 99
NT1 Rhodium 100
NT1 Rhodium 106
NT1 Rubidium 81
NT1 Rubidium 82
NT1 Ruthenium 95
NT1 Ruthenium 105
NT1 Samarium 142
NT1 Samarium 156
NT1 Scandium 43
NT1 Scandium 44
NT1 Selenium 73
NT1 Silicon 31
NT1 Silver 103
NT1 Silver 104
NT1 Silver 112
NT1 Silver 113
NT1 Sodium 24
NT1 Sodium 25
NT1 Strontium 80
NT1 Strontium 85
NT1 Strontium 87
NT1 Strontium 91
NT1 Strontium 92
NT1 Sulfur 38
NT1 Tantalum 173
NT1 Tantalum 174
NT1 Tantalum 175
NT1 Tantalum 176
NT1 Tantalum 178
NT1 Tantalum 180
NT1 Tantalum 184
NT1 Technetium 93
NT1 Technetium 94
NT1 Technetium 95
NT1 Technetium 99
NT1 Tellurium 116
NT1 Tellurium 117
NT1 Tellurium 119
NT1 Tellurium 127
NT1 Tellurium 129
NT1 Terbium 147
NT1 Terbium 148
NT1 Terbium 149
NT1 Terbium 150
NT1 Terbium 151
NT1 Terbium 152
NT1 Terbium 154
NT1 Terbium 156
NT1 Terbium 162
NT1 Terbium 164
NT1 Thallium 195
NT1 Thallium 196
NT1 Thallium 197
NT1 Thallium 198
NT1 Thallium 199
NT1 Thorium 231
NT1 Thulium 163
NT1 Thulium 166
NT1 Thulium 173
NT1 Tin 110
NT1 Tin 127
NT1 Tin 128
NT1 Tin 129
NT1 Tin 131
NT1 Titanium 45
NT1 Tungsten 176
NT1 Tungsten 177
NT1 Uranium 240
NT1 Xenon 122
NT1 Xenon 123
NT1 Xenon 125
NT1 Xenon 135
NT1 Ytterbium 164
NT1 Ytterbium 177
NT1 Ytterbium 178
NT1 Yttrium 85
NT1 Yttrium 86
NT1 Yttrium 87
NT1 Yttrium 90
NT1 Yttrium 92
NT1 Yttrium 93
NT1 Zinc 62
NT1 Zinc 69
NT1 Zinc 71
NT1 Zirconium 86
NT1 Zirconium 87
NT1 Zirconium 97
RT Half-Life
RT Lifetime

HOUSEHOLDS [01]
DA December 10, 1979
RT Apartment Buildings
RT Houses
RT Mobile Homes
RT Residential Buildings
RT Residential Sector
RT Sectoral Analysis
DEF Social unit comprised of those living together in the same house, apartment, or other dwelling.

HOUSES [01]
DA January 24, 1975
UF *Residences*
BT1 Residential Buildings
BT2 Buildings
RT Households
RT Mobile Homes

Hovercraft
DA August 9, 1977
USE Air Cushion Vehicles

HP COMPUTERS [01]
DA December 1, 1974
UF *Hewlett-Packard Computers*
BT1 Computers

HPCI
DA January 30, 1975
USE High Pressure Coolant Injection

HPD Devices
DA December 1, 1974
USE Flying Spot Digitizers

HPDE
DA February 11, 1980
USE MHD Generator AEDC

HPL [01]
DA December 1, 1974
UF *Human Placental Lactogen*
BT1 Lactogens
BT2 Hormones
RT Placenta
RT Pregnancy
RT STH

HPRR REACTOR [01]
(Oak Ridge National Lab., Oak Ridge, Tennessee, USA.)
DA December 1, 1974
UF *Health Physics Research Reactor*
BT1 Air Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Fast Reactors
BT2 Epithermal Reactors
BT3 Reactors
BT1 Pulsed Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors

HRE-2 REACTOR [01]
DA December 1, 1974
UF *Homogeneous Reactor Experiment 2*
BT1 Aqueous Homogeneous Reactors
BT2 Liquid Homogeneous Reactors
BT3 Fluid Fueled Reactors
BT4 Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Experimental Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors

BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors

HSK PROCEDURE [01]
DA December 1, 1974
UF *Hylleraas-Scherr-Knight Procedure*
BT1 Perturbation Theory
BT1 Variational Methods
BT2 Calculation Methods
RT Electronic Structure
RT Quantum Mechanics

HT-6B TOKAMAK [01]
(Academia Sinica, Hefei, Anhui, China.)
DA January 3, 1990
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

HT-6M TOKAMAK [01]
(Academia Sinica, Hefei, China.)
DA January 3, 1990
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

HTGR Peach Bottom Reactor
DA December 1, 1974
USE Peach Bottom-1 Reactor

HTGR TYPE REACTORS [01]
DA December 1, 1974
UF *High Temperature Gas Cooled and Graphite Moderated Reactors*
BT1 Gas Cooled Reactors
BT2 Reactors
BT1 Graphite Moderated Reactors
BT2 Reactors
NT1 AVR Reactor
NT1 Dragon Reactor
NT1 Fulton-1 Reactor
NT1 Fulton-2 Reactor
NT1 GA Standard Reactor
NT1 HTTR Reactor
NT1 Kahter Reactor
NT1 Peach Bottom-1 Reactor
NT1 Schmehausen-2 Reactor
NT1 Summit-1 Reactor
NT1 Summit-2 Reactor
NT1 THTR-300 Reactor
NT1 VG-400 Reactor
NT1 VGR-50 Reactor
NT1 VHTR Reactor
NT1 Vidal-1 Reactor
NT1 Vidal-2 Reactor
NT1 Vrain Reactor
RT Helium Cooled Reactors
RT Power Reactors

HTLTR REACTOR [01]
(Pacific Northwest Laboratory, Battelle Memorial Institute, Richland, Washington, USA.)
DA December 1, 1974
UF *High Temperature Lattice Test Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Graphite Moderated Reactors
BT2 Reactors
BT1 Nitrogen Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors

HTO
DA December 1, 1974
USE Heavy Water
AND Tritium Compounds

HTR REACTOR [01]
(Tokyo Atomic Industrial Research Lab., Ltd, Kanagawa Prefecture, Japan.)
DA December 1, 1974
UF *Hitachi Training Reactor*
UF *Japan Htr*
UF *Kawasaki-Hitachi Training Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors

HTTR REACTOR [01]
DA October 28, 1988
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Experimental Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Helium Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 HTGR Type Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT2 Graphite Moderated Reactors
BT3 Reactors

HTW PROCESS
DA October 5, 1982
UF *High-Temperature Winkler Process*
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes
RT Synthesis Gas
DEF Rheinische Braunkohlenwerke/FRG coal gasification process which utilizes a fluidized bed reactor with an after-reactor chamber and operates at a pressure of approx. 10 b and a temperature of approx. 1100 C to produce a high quality synthesis gas.

→**HUBBARD MODEL [01]**
DA July 9, 1992
BT1 Crystal Models
BT2 Mathematical Models
RT Antiferromagnetism
RT Band Theory
RT Electronic Structure
RT Ferromagnetism
RT High-Tc Superconductors
RT Superconductivity

HUBBLE EFFECT [01]
DA December 1, 1974
UF *Hubble-Humason Shift*
RT Cosmology
RT Expansion
RT Red Shift
RT Universe

Hubble-Humason Shift
DA December 1, 1974
USE Hubble Effect

HUDSON RIVER [01]
DA December 1, 1974
BT1 Rivers
BT2 Streams
BT3 Surface Waters
RT New Jersey
RT New York

Huff and Puff Process
DA June 7, 1976
USE Fluid Injection Processes

Hugenholtz-Pines Theory
DA December 1, 1974
USE Hydrogen
AND Van Hove-Hugenholtz Theory

HULTHEN POTENTIAL [01]
DA June 12, 1975
BT1 Nuclear Potential
BT2 Potentials

Human Cells
DA December 1, 1974
USE Animal Cells

Human Chorionic Gonadotropin
DA December 1, 1974
USE HCG

→**HUMAN CHROMOSOME 2 [01]**
DA October 28, 1992
BT1 Human Chromosomes
BT2 Chromosomes

→**HUMAN CHROMOSOME 3 [01]**
DA November 30, 1992
BT1 Human Chromosomes
BT2 Chromosomes

HUMAN CHROMOSOME 5 [01]
DA April 15, 1988
BT1 Human Chromosomes
BT2 Chromosomes

→**HUMAN CHROMOSOME 8 [01]**
DA February 16, 1993
BT1 Human Chromosomes
BT2 Chromosomes

→**HUMAN CHROMOSOME 12 [01]**
DA February 16, 1993
BT1 Human Chromosomes
BT2 Chromosomes

→**HUMAN CHROMOSOME 14 [01]**
DA February 16, 1993
BT1 Human Chromosomes
BT2 Chromosomes

HUMAN CHROMOSOME 16
DA October 22, 1987
BT1 Human Chromosomes
BT2 Chromosomes

HUMAN CHROMOSOME 17 [01]
DA January 27, 1989
BT1 Human Chromosomes
BT2 Chromosomes

→**HUMAN CHROMOSOME 18 [01]**
DA January 24, 1992
BT1 Human Chromosomes
BT2 Chromosomes

HUMAN CHROMOSOME 19 [01]
DA July 31, 1987
BT1 Human Chromosomes
BT2 Chromosomes

HUMAN CHROMOSOME 21 [01]
DA July 31, 1987
BT1 Human Chromosomes
BT2 Chromosomes

→**HUMAN CHROMOSOME 22 [01]**
DA September 24, 1992
BT1 Human Chromosomes
BT2 Chromosomes

→**HUMAN CHROMOSOMES [01]**
DA December 5, 1991
BT1 Chromosomes
NT1 Human Chromosome 2
NT1 Human Chromosome 3
NT1 Human Chromosome 5
NT1 Human Chromosome 8
NT1 Human Chromosome 12
NT1 Human Chromosome 14
NT1 Human Chromosome 16
NT1 Human Chromosome 17
NT1 Human Chromosome 18
NT1 Human Chromosome 19
NT1 Human Chromosome 21

NT1 Human Chromosome 22
NT1 Human X Chromosome
NT1 Human Y Chromosome

HUMAN FACTORS [01]
DA February 23, 1982
RT Accidents
RT Aesthetics
RT Attitudes
RT Behavior
RT Failures
RT Personnel
RT Safety
RT Safety Engineering
RT Sociology
DEF Aspects of human behavior which influence events or situations, e.g. actions of operators at nuclear power plants.

HUMAN FACTORS ENGINEERING
DA June 7, 1982
UF *Ergonomics*
BT1 Engineering
RT Accidents
RT Equipment
RT Hazards
RT Man-Machine Systems
RT Personnel
RT Safety
RT Working Conditions
DEF Applicaton of information on physical and psychological characteristics of man to the design of devices and systems for human use.

→**HUMAN INTRUSION [01]**
DA September 13, 1990
SF *Intrusion*
RT Entry Control Systems
RT Interest Groups
RT Nuclear Facilities
RT Physical Protection
RT Sabotage
RT Security

Human Placental Lactogen
DA December 1, 1974
USE HPL

HUMAN POPULATIONS [01]
DA December 1, 1974
UF *Humans*
UF *People*
UF+ *Nuclear Controversy*
BT1 Populations
NT1 A-Bomb Survivors
NT1 Minority Groups
NT2 American Indians
NT2 Black Americans
NT2 Elderly People
NT2 Handicapped People
NT2 High Income Groups
NT2 Hispanic Americans
NT2 Lapps
NT2 Low Income Groups
NT2 Oriental Americans
NT1 Rural Populations
NT1 Urban Populations
RT Anthropology
RT Boom Towns
RT Civil Defense
RT Communities
RT CUEX
RT Demography
RT Epidemiology
RT Eskimos
RT Health Services
RT Interest Groups
RT Man
RT Occupants
RT Patients
RT Personnel
RT Population Dynamics
RT Public Health
RT Regional Analysis
RT Residential Sector
RT Sociology

HUMAN X CHROMOSOME [01]
DA April 15, 1988
BT1 Human Chromosomes
BT2 Chromosomes
BT1 X Chromosome
BT2 Heterochromosomes
BT3 Chromosomes

HUMAN Y CHROMOSOME [01]
DA April 15, 1988
BT1 Human Chromosomes
BT2 Chromosomes
BT1 Y Chromosome
BT2 Heterochromosomes
BT3 Chromosomes

Humans
DA June 16, 1981
USE Human Populations

HUMBOLDT BAY [01]
DA December 1, 1974
BT1 Pacific Ocean
BT2 Seas
BT3 Surface Waters
RT California

HUMBOLDT BAY REACTOR [01]
(Eureka, California, USA)
DA December 1, 1974
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

HUMBOLDT GASIFICATION PROCESS
DA April 28, 1983
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes
DEF This process is based on the dissolution of carbon in molten iron. During the process the coal is completely converted leaving no by-products such as tar or other heavy hydrocarbons. The gas produced is practically sulfur free.

HUMECA URANIUM MILL [01]
DA August 4, 1976
BT1 Nuclear Facilities
RT Uranium Ores

HUMIC ACIDS [01]
DA December 1, 1974
BT1 Organic Acids
BT2 Organic Compounds
RT Fulvic Acids
RT Humus
RT Soils

HUMIDIFIERS
DA June 21, 1977
RT Dehumidification
RT Dehumidifiers
RT Electric Appliances
RT Humidity Control

HUMIDISTATS [01]
DA December 1, 1974
BT1 Control Equipment
BT2 Equipment
RT Humidity Control

HUMIDITY [01]
DA December 1, 1974
SF *Water Content*
RT Dew Point
RT Hygrometry
RT Moisture
RT Moisture Gages
RT Psychrometry

HUMIDITY CONTROL [01]
DA December 1, 1974
BT1 Control
RT Air Conditioning
RT Humidifiers
RT Humidistats
RT Thermal Comfort

HUMUS [01]
DA December 1, 1974
RT Forest Litter
RT Fulvic Acids
RT Humic Acids
RT Soils

HUNGARIAN ORGANIZATIONS [01]
DA April 29, 1986
BT1 National Organizations
NT1 Atomki

Hungarian Paks-1 Reactor
DA December 1, 1974
USE PAKS-1 Reactor

Hungarian Paks-2 Reactor
DA December 1, 1974
USE PAKS-2 Reactor

Hungarian PAKS-3 Reactor
DA August 12, 1980
USE PAKS-3 Reactor

Hungarian PAKS-4 Reactor
DA August 12, 1980
USE PAKS-4 Reactor

Hungarian WWR-C Reactor
DA December 1, 1974
USE WWR-S-Budapest Reactor

HUNGARY [01]
DA December 1, 1974
BT1 Developing Countries
BT1 Eastern Europe
BT2 Europe
RT Centrally Planned Economies
RT Danube River

HUNTERSTON-A REACTOR [01]
(Hunterston, Ayrshire, UK)
DA December 1, 1974
BT1 Carbon Dioxide Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Magnox Type Reactors
BT2 GCR Type Reactors
BT3 Gas Cooled Reactors
BT4 Reactors
BT3 Graphite Moderated Reactors
BT4 Reactors
BT2 Natural Uranium Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

HUNTERSTON-B REACTOR [01]
(Hunterston, Ayrshire, UK)
DA December 1, 1974
BT1 AGR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 GCR Type Reactors
BT3 Gas Cooled Reactors
BT4 Reactors
BT3 Graphite Moderated Reactors
BT4 Reactors
BT1 Carbon Dioxide Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

HURRICANES [01]
DA December 1, 1974
BT1 Storms
BT2 Disasters
RT Monsoons
RT Water Waves
RT Weather
RT Wind

HURWITZ EFFECT [01]
DA December 1, 1974
UF *Bethe-Hurwitz Effect*
RT Nuclear Models

Hushed Echo Event
DA December 16, 1975
USE Bedrock Project

HUSKY ACE EVENT
DA September 11, 1975
BT1 Arbor Project
BT2 Nuclear Explosions
BT3 Explosions
BT2 Underground Explosions
BT3 Explosions

Husky Pup Event
DA June 21, 1977
USE Anvil Project

HUTCH EVENT [01]
DA December 1, 1974
BT1 Mandrel Operation
BT2 Nuclear Explosions
BT3 Explosions
BT2 Underground Explosions
BT3 Explosions
RT Radioisotopes

Hutchinson Island-1 Reactor
DA December 1, 1974
USE Lucie-1 Reactor

Hutchinson Island-2 Reactor
DA December 1, 1974
USE Lucie-2 Reactor

HUTTONITE [01]
DA December 1, 1974
BT1 Silicate Minerals
BT2 Minerals
BT1 Thorium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
RT Thorium Silicates

HUYGENS PRINCIPLE [01]
DA December 1, 1974
RT Wave Propagation

HVAC SYSTEMS
(For heating, ventilating, and air conditioning systems, see SPACE HVAC SYSTEMS.)
DA May 17, 1976
UF *High Voltage Alternating Current Systems*
BT1 AC Systems
BT2 Power Systems
BT3 Energy Systems

HVDC SYSTEMS [01]
(69 to 230 kV.)
DA April 8, 1975
UF *High Voltage Direct Current Systems*
BT1 DC Systems
BT2 Power Systems
BT3 Energy Systems

HWCTR REACTOR [01]
DA December 1, 1974
UF *Heavy Water Components Test Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Heavy Water Cooled Reactors
BT2 Reactors
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Materials Testing Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

HWGCR TYPE REACTORS [01]
DA December 1, 1974
UF *Heavy Water Moderated and Gas Cooled Reactors*
BT1 Gas Cooled Reactors
BT2 Reactors
BT1 Heavy Water Moderated Reactors
BT2 Reactors
NT1 Bohunice A-1 Reactor
NT1 Bohunice A-2 Reactor
NT1 EL-4 Reactor
NT1 Lucens Reactor
NT1 Niederaichbach Reactor
RT Power Reactors

HWLWR TYPE REACTORS [01]
DA December 1, 1974
UF *Heavy Water Moderated and Water Cooled Reactor*
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
NT1 Cirene Reactor
NT1 Gentilly Reactor
NT1 JATR Reactor
RT Power Reactors

HYALURONIC ACID [01]
DA December 1, 1974
BT1 Mucopolysaccharides
BT2 Amines
BT3 Organic Compounds
BT2 Polysaccharides
BT3 Saccharides
BT4 Carbohydrates
BT5 Organic Compounds
RT Glucuronic Acid
RT Hyaluronidase

HYALURONIDASE [01]
(Code numbers 3.2.1.35 and 3.2.1.36.)
DA December 1, 1974
BT1 O-Glycosyl Hydrolases
BT2 Glycosyl Hydrolases
BT3 Hydrolases
BT4 Enzymes
BT5 Proteins
BT6 Organic Compounds
RT Hyaluronic Acid

HYBRID COMPUTERS [01]
DA December 1, 1974
BT1 Computers

HYBRID ELECTRIC-POWERED VEHICLES [01]
DA January 27, 1975
BT1 Electric-Powered Vehicles
BT2 Vehicles
RT Electric Batteries
RT Hybrid Systems

HYBRID REACTORS [01]
DA December 1, 1974
RT Hybrid Systems
RT Lotus Facility
RT Reactors
RT Thermonuclear Reactors
DEF Devices in which controlled self-sustaining fission-fusion processes take place.

HYBRID RESONANCE [01]
DA December 1, 1974
BT1 Resonance

HYBRID SYSTEMS [01]
DA April 8, 1975
RT Hybrid Electric-Powered Vehicles
RT Hybrid Reactors
RT Power Transmission
RT Thermonuclear Reactors

HYBRIDIZATION [01]
DA December 1, 1974
UF *Heterozygotes*
UF *Hybrids*
UF *Mixing (Genetic)*
NT1 DNA Hybridization
NT2 DNA-Cloning
RT Electronic Structure
RT Genetic Engineering
RT Genetics
RT Wave Functions

HYBRIDOMAS [01]
DA January 27, 1984
UF *Fused Cells (Animal)*
BT1 Animal Cells
RT Biotechnology
RT Cell Cultures
RT DNA Hybridization
RT Lymphocytes
RT Monoclonal Antibodies
DEF A fused cell resulting from the fusion of a lymphocyte and a melanoma cell; used in the production of monoclonal antibodies.

Hybrids
DA December 1, 1974
USE Hybridization

→**HYBTOK TOKAMAKS [01]**
DA September 13, 1991
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

HYCSOS
(Hydride Conversion and Storage System.)
DA September 26, 1979
USE Chemical Heat Pumps
DEF Chemical heat pump based on metal hydrides.

HYDANTOINS
($C_3N_2O_2H$)
DA May 7, 1985
BT1 Imidazoles
BT2 Azoles
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
RT Urea

HYDATIDOSIS [01]
DA May 15, 1975
BT1 Parasitic Diseases
BT2 Infectious Diseases
BT3 Diseases
RT Cestodes
RT Parasites

HYDRA [01]
DA December 1, 1974
BT1 Cnidaria
BT2 Coelenterata
BT3 Invertebrates
BT4 Animals

HYDRANE PROCESS
DA February 20, 1975
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes
BT1 SNG Processes
DEF Production of pipeline gas from coal by direct conversion with H to give CH_4. 1000 psi H flows upward through free- falling pulverized coal at 725°. CO_2, H_2S, and dust are removed from product.

Hydratation
DA December 1, 1974
USE Hydration

Hydrated Electrons
DA December 1, 1974
USE Hydration
AND Solvated Electrons

HYDRATES [01]
(For chemical compounds or minerals.)
DA December 1, 1974
NT1 Gas Hydrates
NT1 Strelkinite
NT1 UNH
RT Water

HYDRATION [01]
(Addition of water, for addition of hydrogen use HYDROGENATION.)
DA December 1, 1974
UF *Hydratation*
UF+ *Hydrated Electrons*
BT1 Solvation

HYDRAULIC ACCUMULATORS
DA August 7, 1979
BT1 Accumulators
BT2 Tanks
BT3 Containers
BT1 Mechanical Energy Storage Equipment
RT Energy Storage
RT Hydraulic Equipment
RT Hydraulics
DEF A device that stores potential energy by accumulating a quantity of pressurized hydraulic fluid in a pressure vessel.

HYDRAULIC CONDUCTIVITY [01]
DA March 10, 1982
UF *Permeability Coefficient (Fluid Mechanics)*
RT Fluid Mechanics
RT Hydrology

HYDRAULIC CONTROL DEVICES [01]
DA December 1, 1974
BT1 Control Equipment
BT2 Equipment
RT Hydraulics
RT Remote Control

HYDRAULIC EQUIPMENT [01]
DA January 28, 1977
BT1 Equipment
RT Hydraulic Accumulators
RT Hydraulic Fluids
RT Natural Gas Wells
RT Petroleum
RT Well Completion
RT Well Drilling

HYDRAULIC FLUIDS [01]
DA November 24, 1981
BT1 Working Fluids
BT2 Fluids
RT Hydraulic Equipment

HYDRAULIC FRACTURES [01]
DA July 9, 1980
BT1 Fractures
BT2 Failures
RT Cracks
RT Fracturing Fluids
RT Hot-Dry-Rock Systems
RT Hydraulic Fracturing

HYDRAULIC FRACTURING [01]
DA January 23, 1976
BT1 Fracturing
RT Enhanced Recovery
RT Fractures
RT Fracturing Fluids
RT Hydraulic Fractures
RT Well Stimulation

Hydraulic Fracturing Fluids
DA October 5, 1982
USE Fracturing Fluids

HYDRAULIC MINING
DA May 7, 1977
BT1 Mining
RT Auger Mining
RT Longwall Mining
Mining Engineering

Hydraulic Rams
DA January 10, 1977
USE Pumps

HYDRAULIC TRANSPORT [01]
DA August 24, 1976
BT1 Transport
RT Hydraulics
RT Materials Handling
RT Pipelines
RT Slurry Pipelines

HYDRAULIC TURBINES [01]
DA November 17, 1976
BT1 Turbines
BT2 Turbomachinery
BT3 Machinery
BT4 Equipment
NT1 Pump Turbines
RT Hydraulics
RT Turbogenerators
RT Water Wheels
DEF Machines which convert the energy of an elevated water supply into mechanical energy of a rotating shaft.

HYDRAULICS [01]
DA December 1, 1974
BT1 Fluid Mechanics
BT2 Mechanics
RT Flow Rate
RT Fluid Flow
RT Hydraulic Accumulators
RT Hydraulic Control Devices
RT Hydraulic Transport
RT Hydraulic Turbines
RT Hydrodynamics
RT Penstocks
RT Pneumatics
RT Solids Flow
RT Water Hammer

HYDRAZIDES [01]
DA December 1, 1974
BT1 Organic Nitrogen Compounds
BT2 Organic Compounds
NT1 Isoniazid
NT2 Iproniazid
RT Hydrazine
RT Organic Acids

HYDRAZINE [01]
DA December 1, 1974
BT1 Nitrogen Compounds
RT DPPH
RT Hydrazides
RT Hydrazones
RT SDPPH

HYDRAZINE FUEL CELLS [01]
DA January 23, 1975
BT1 Fuel Cells
BT2 Direct Energy Converters
BT2 Electrochemical Cells

HYDRAZOIC ACID [01]
(HN_3 or azoimide.)
DA April 12, 1977
UF *Azomide*
BT1 Inorganic Acids
BT2 Hydrogen Compounds
RT Azides

HYDRAZONES [01]
DA December 1, 1974
BT1 Organic Nitrogen Compounds
BT2 Organic Compounds
RT Aldehydes
RT Hydrazine
RT Ketones

HYDRIDATION [01]
DA December 1, 1974
BT1 Chemical Reactions
RT Dehydridation
RT Hydrides
RT Hydrogen
RT Hydrogen Embrittlement

HYDRIDE MODERATED REACTORS [01]
DA December 1, 1974
BT1 Reactors
NT1 ACPR Reactor
NT1 ANEX Reactor
NT1 NSRR Reactor
NT1 STIR Reactor
NT1 SZR Type Reactors
NT2 KNK Reactor
NT2 KNK-2 Reactor
NT1 Topaz Reactor
* NT1 TRIGA Type Reactors
NT1 XMA-1 Reactor
RT Hydride Moderators

HYDRIDE MODERATORS [01]
DA December 1, 1974
BT1 Moderators
RT Hydride Moderated Reactors
RT Hydrides
RT SZR Type Reactors
RT Topaz Reactor
RT Zirconium Hydrides

HYDRIDES [01]
DA December 1, 1974
BT1 Hydrogen Compounds
NT1 Actinium Hydrides
NT1 Aluminium Hydrides
NT1 Americium Hydrides
NT1 Antimony Hydrides
NT1 Argon Hydrides
NT1 Arsenic Hydrides
NT1 Barium Hydrides
NT1 Berkelium Hydrides
NT1 Beryllium Hydrides
NT1 Bismuth Hydrides
NT1 Boranes
NT1 Boron Hydrides
NT1 Calcium Hydrides
NT1 Cerium Hydrides
NT1 Cesium Hydrides
NT1 Chromium Hydrides
NT1 Cobalt Hydrides
NT1 Copper Hydrides
NT1 Curium Hydrides
NT1 Dysprosium Hydrides
NT1 Erbium Hydrides
NT1 Europium Hydrides
NT1 Gadolinium Hydrides
NT1 Germanium Hydrides
NT1 Gold Hydrides
NT1 Hafnium Hydrides
NT1 Helium Hydrides
NT1 Holmium Hydrides
NT1 Indium Hydrides
NT1 Iridium Hydrides
NT1 Iron Hydrides
NT1 Krypton Hydrides
NT1 Lanthanum Hydrides
NT1 Lead Hydrides
NT1 Lithium Hydrides
NT2 Lithium Deuterides
NT2 Lithium Tritides
NT1 Lutetium Hydrides
NT1 Magnesium Hydrides
NT1 Manganese Hydrides
NT1 Mercury Hydrides
NT1 Molybdenum Hydrides
NT1 Neodymium Hydrides
NT1 Neon Hydrides
NT1 Neptunium Hydrides
NT1 Nickel Hydrides
NT1 Niobium Hydrides
NT1 Nitrogen Hydrides
NT2 Ammonia
NT1 Palladium Hydrides
NT1 Phosphorus Hydrides
NT1 Platinum Hydrides
NT1 Plutonium Hydrides
NT1 Potassium Hydrides
NT1 Praseodymium Hydrides
NT1 Protactinium Hydrides
NT1 Rhenium Hydrides
NT1 Rhodium Hydrides
NT1 Rubidium Hydrides
NT1 Ruthenium Hydrides
NT1 Samarium Hydrides
NT1 Scandium Hydrides

NT1 Selenium Hydrides
NT1 Silanes
NT1 Silver Hydrides
NT1 Sodium Hydrides
NT1 Strontium Hydrides
NT1 Tantalum Hydrides
NT1 Technetium Hydrides
NT1 Tellurium Hydrides
NT1 Terbium Hydrides
NT1 Thallium Hydrides
NT1 Thorium Hydrides
NT1 Thulium Hydrides
NT1 Tin Hydrides
NT1 Titanium Hydrides
NT1 Tungsten Hydrides
NT1 Uranium Hydrides
NT1 Vanadium Hydrides
NT1 Xenon Hydrides
NT1 Ytterbium Hydrides
NT1 Yttrium Hydrides
NT1 Zinc Hydrides
NT1 Zirconium Hydrides
RT Hydridation
RT Hydride Moderators
RT Hydrogen Additions
RT Hydrogen Storage

HYDRIODIC ACID [01]
DA December 1, 1974
UF *Hydrogen Iodides*
BT1 Inorganic Acids
BT2 Hydrogen Compounds
BT1 Iodine Compounds
BT2 Halogen Compounds
RT Iodides

HYDRO-LYASES [01]
(Code Number 4.2.1.)
DA January 12, 1981
BT1 Carbon-Oxygen Lyases
BT2 Lyases
BT3 Enzymes
BT4 Proteins
BT5 Organic Compounds
NT1 Carbonic Anhydrase

HYDROAROMATICS
DA August 27, 1991
UF *Naphthenes*
BT1 Organic Compounds
NT1 Tetralin
RT Aromatics
RT Redox Reactions

HYDROBROMIC ACID [01]
DA December 1, 1974
UF *Hydrogen Bromides*
BT1 Bromine Compounds
BT2 Halogen Compounds
BT1 Inorganic Acids
BT2 Hydrogen Compounds
RT Bromides

HYDROCARBON FUEL CELLS [01]
DA January 23, 1975
BT1 Fuel Cells
BT2 Direct Energy Converters
BT2 Electrochemical Cells

Hydrocarbon Logging
DA March 27, 1979
USE Gas Meters
AND Well Logging

HYDROCARBONS [01]
DA December 1, 1974
BT1 Organic Compounds
NT1 Acenaphthene
* NT1 Alkanes
* NT1 Alkenes
NT1 Alkynes
NT2 Acetylene
NT2 Cycloalkynes
NT2 Propyne
NT1 Anthracene
NT1 Azulene
NT1 Benzanthracene
NT1 Benzene
NT1 Benzopyrene
NT1 Biphenyl
NT1 Carotenoids
NT1 Chrysene
NT1 Cumene
NT1 Cymene
NT1 Durene
NT1 Fluorene
NT1 Indan
NT1 Indene
NT1 Mesitylene
NT1 Naphthalene
NT1 Oligophenylenes
NT1 Pentacene
NT1 Phenanthrene
NT1 Polycyclic Aromatic Hydrocarbons
NT2 3-Methylcholanthrene
NT1 Polyenes
NT2 Dienes
NT3 Allene
NT3 Butadiene
NT3 Cyclopentadiene
NT3 Ferrocene
NT3 Isoprene
NT3 Pentadienes
NT2 Polyacetylenes
NT2 Squalene
NT1 Polyphenyls
NT2 Santowax
NT2 Terphenyls
NT3 Terphenyl-Meta
NT3 Terphenyl-Ortho
NT3 Terphenyl-Para
NT1 Pyrene
NT1 Quaterphenyls
NT1 Stilbene
NT1 Styrene
NT1 Tetracene
NT1 Tetralin
NT1 Tolan
NT1 Toluene
NT1 Triphenylene
NT1 Violanthrone
NT1 Xylenes
NT2 Xylene-Para
RT AMSCO
RT Aromatics
RT Bromoform
RT Fischer-Tropsch Synthesis
RT Fluidized Bed Hydrogenation Process
RT Freons
RT Meadow Foam
RT Oils
RT Partial Oxidation Processes
RT Petroleum
RT Rabbit Brush
RT Refrigerants
RT Shell Gasification Process
RT Turpentine

Hydrocephalus
DA December 1, 1974
USE Malformations

HYDROCHLORIC ACID [01]
DA December 1, 1974
UF *Hydrogen Chlorides*
BT1 Chlorine Compounds
BT2 Halogen Compounds
BT1 Inorganic Acids
BT2 Hydrogen Compounds
RT Aqua Regia
RT Chlorides

HYDROCORTISONE [01]
DA December 1, 1974
UF *Cortisol*
BT1 Glucocorticoids
BT2 Corticosteroids
BT3 Adrenal Hormones
BT4 Hormones
BT3 Hydroxy Compounds
BT4 Organic Compounds
BT3 Ketones
BT4 Organic Compounds
BT3 Pregnanes
BT4 Steroids
BT5 Organic Compounds
BT3 Steroid Hormones
BT4 Hormones

HYDROCRACKING
DA February 6, 1975
BT1 Cracking
BT2 Pyrolysis
BT3 Decomposition
BT4 Chemical Reactions
BT3 Thermochemical Processes
RT Aurabon Process
RT Catalytic Cracking
RT Thermal Cracking
RT Zinc Halide Process

HYDROCYANIC ACID [01]
DA December 1, 1974
UF *Hydrogen Cyanides*
BT1 Cyanides
BT1 Inorganic Acids
BT2 Hydrogen Compounds

Hydrocyclones
DA July 27, 1978
USE Cyclone Separators

HYDRODYNAMIC MASS EFFECT [01]
DA August 24, 1976
UF *Added Mass Effect*
UF *Virtual Mass Effect*
RT Damping
RT Eigenfrequency
RT Hydrodynamics
RT Mechanical Vibrations
DEF A virtual increase of the mass of solids when vibrating in fluids.

HYDRODYNAMIC MODEL [01]
DA January 24, 1975
BT1 Thermodynamic Model
BT2 Particle Models
BT3 Mathematical Models
BT2 Statistical Models
BT3 Mathematical Models
RT Nuclear Models
RT Production Mechanisms
DEF A model for particle production in high-energy collisions that applies relativistic hydrodynamics to the coalesced hadronic matter.

HYDRODYNAMICS [01]
DA December 1, 1974
BT1 Fluid Mechanics
BT2 Mechanics
NT1 Electrohydrodynamics
NT1 Magnetohydrodynamics
RT Fluid Flow
RT Flute Instability
RT Hydraulics
RT Hydrodynamic Mass Effect
RT Liquid Flow
RT Rayleigh-Taylor Instability
RT Working Fluids

HYDROELECTRIC POWER [01]
DA December 1, 1974
UF *Hydroelectricity*
BT1 Electric Power
BT2 Power
BT1 Renewable Energy Sources
BT2 Energy Sources
RT Grand River
RT Hydroelectric Power Plants
RT Pumped Storage Power Plants

HYDROELECTRIC POWER PLANTS [01]
DA December 1, 1974
BT1 Power Plants
NT1 High-Head Hydroelectric Power Plants
NT1 Low-Head Hydroelectric Power Plants
NT1 Medium-Head Hydroelectric Power Plants
NT1 Micro-Scale Hydroelectric Power Plants
NT1 Pumped Storage Power Plants
NT1 Small-Scale Hydroelectric Power Plants
RT Altamaha River
RT Au Sable River
RT Dams
RT Fish Passage Facilities
RT Hydroelectric Power
RT Lewis River
RT Little Tennessee River
RT Menominee River
RT Peaking Power Plants

RT Penstocks
RT Pumped Storage
RT Saginaw River
RT Skagit River
RT Spillway
RT Turbines
RT Water Wheels

Hydroelectricity
DA December 1, 1974
USE Hydroelectric Power

HYDROFLUORIC ACID [01]
DA December 1, 1974
UF *Hydrogen Fluorides*
BT1 Fluorine Compounds
BT2 Halogen Compounds
BT1 Inorganic Acids
BT2 Hydrogen Compounds
RT Fluorides

Hydroformylation
DA June 20, 1983
USE Carbonylation

HYDROGEN [01]
DA December 1, 1974
UF+ *Hugenholtz-Pines Theory*
BT1 Nonmetals
BT2 Elements
RT Balmer Lines
RT Cryogenic Fluids
RT Dehydridation
RT H1 Regions
RT Hydridation
RT Hydrogen-Based Economy
RT Hydrogen Embrittlement
RT Hydrogen Fuels
RT Hydrogen Meters
RT Hydrogen Production
RT Hydrogen Storage
RT Lyman Lines

HYDROGEN 1 [01]
DA December 1, 1974
BT1 Hydrogen Isotopes
BT2 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
RT Hydrogen Deuteride

HYDROGEN 1 MINUS BEAMS [01]
DA October 19, 1978
UF *Hydrogen Minus 1 Beams*
BT1 Ion Beams
BT2 Beams

HYDROGEN 1 TARGET [01]
DA July 9, 1976
BT1 Targets

Hydrogen 2
DA December 1, 1974
USE Deuterium

Hydrogen 3
DA December 1, 1974
USE Tritium

HYDROGEN 4 [01]
DA December 1, 1974
BT1 Hydrogen Isotopes
BT2 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei

HYDROGEN 5 [01]
DA December 1, 1974
BT1 Hydrogen Isotopes
BT2 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei

HYDROGEN 6 [01]
DA December 1, 1974
BT1 Hydrogen Isotopes
BT2 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei

HYDROGEN 7 [01]
DA December 1, 1974
BT1 Hydrogen Isotopes
BT2 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei

HYDROGEN ADDITIONS [01]
DA December 1, 1974
RT Hydrides

HYDROGEN-BASED ECONOMY
DA January 23, 1975
RT Hydrogen
RT Hydrogen Storage
RT Industry
DEF Energy industry based on hydrogen for energy storage, distribution, and utilization.

Hydrogen Bromides
DA December 1, 1974
USE Hydrobromic Acid

HYDROGEN BURNING [01]
(Astrophysical processes only.)
DA July 23, 1980
UF *PP Chain*
UF *Proton-Proton Cycle*
BT1 Star Burning
RT Main Sequence Stars
RT Nucleosynthesis
RT Star Evolution
RT Star Models

Hydrogen Chlorides
DA December 1, 1974
USE Hydrochloric Acid

HYDROGEN COMPLEXES [01]
DA December 1, 1974
BT1 Complexes

HYDROGEN COMPOUNDS [01]
DA December 1, 1974
NT1 Borohydrides
NT2 Uranium Borohydrides
NT1 Deuterium Compounds
NT2 Deuterides
NT3 Hydrogen Deuteride
NT3 Lithium Deuterides
NT2 Deuterium Tritide
NT1 Hydrides
NT2 Actinium Hydrides
NT2 Aluminium Hydrides
NT2 Americium Hydrides
NT2 Antimony Hydrides
NT2 Argon Hydrides
NT2 Arsenic Hydrides
NT2 Barium Hydrides
NT2 Berkelium Hydrides
NT2 Beryllium Hydrides
NT2 Bismuth Hydrides
NT2 Boranes
NT2 Boron Hydrides
NT2 Calcium Hydrides
NT2 Cerium Hydrides
NT2 Cesium Hydrides
NT2 Chromium Hydrides
NT2 Cobalt Hydrides
NT2 Copper Hydrides
NT2 Curium Hydrides
NT2 Dysprosium Hydrides
NT2 Erbium Hydrides
NT2 Europium Hydrides
NT2 Gadolinium Hydrides
NT2 Germanium Hydrides
NT2 Gold Hydrides
NT2 Hafnium Hydrides
NT2 Helium Hydrides
NT2 Holmium Hydrides
NT2 Indium Hydrides
NT2 Iridium Hydrides
NT2 Iron Hydrides
NT2 Krypton Hydrides
NT2 Lanthanum Hydrides
NT2 Lead Hydrides
NT2 Lithium Hydrides
NT3 Lithium Deuterides
NT3 Lithium Tritides
NT2 Lutetium Hydrides
NT2 Magnesium Hydrides
NT2 Manganese Hydrides
NT2 Mercury Hydrides
NT2 Molybdenum Hydrides
NT2 Neodymium Hydrides
NT2 Neon Hydrides
NT2 Neptunium Hydrides
NT2 Nickel Hydrides
NT2 Niobium Hydrides
NT2 Nitrogen Hydrides
NT3 Ammonia
NT2 Palladium Hydrides
NT2 Phosphorus Hydrides
NT2 Platinum Hydrides
NT2 Plutonium Hydrides
NT2 Potassium Hydrides
NT2 Praseodymium Hydrides
NT2 Protactinium Hydrides
NT2 Rhenium Hydrides
NT2 Rhodium Hydrides
NT2 Rubidium Hydrides
NT2 Ruthenium Hydrides
NT2 Samarium Hydrides
NT2 Scandium Hydrides
NT2 Selenium Hydrides
NT2 Silanes
NT2 Silver Hydrides
NT2 Sodium Hydrides
NT2 Strontium Hydrides
NT2 Tantalum Hydrides
NT2 Technetium Hydrides
NT2 Tellurium Hydrides
NT2 Terbium Hydrides
NT2 Thallium Hydrides
NT2 Thorium Hydrides
NT2 Thulium Hydrides
NT2 Tin Hydrides
NT2 Titanium Hydrides
NT2 Tungsten Hydrides
NT2 Uranium Hydrides
NT2 Vanadium Hydrides
NT2 Xenon Hydrides
NT2 Ytterbium Hydrides
NT2 Yttrium Hydrides
NT2 Zinc Hydrides
NT2 Zirconium Hydrides
NT1 Hydrogen Peroxide
NT1 Hydrogen Sulfides
* NT1 Hydroxides
* NT1 Inorganic Acids
* NT1 Tritium Compounds
NT1 Water
NT2 Drinking Water
NT2 Feedwater
NT2 Fresh Water
NT2 Ground Water
NT3 Interstitial Water
NT4 Connate Water
NT3 Magmatic Water
NT3 Meteoric Water
NT2 Heavy Water
NT2 Hot Water
NT2 Rain Water
NT3 Throughfall
NT2 Seawater
NT2 Waste Water
NT3 Shale Tar Water

HYDROGEN COOLED REACTORS [01]
DA May 6, 1975
BT1 Gas Cooled Reactors
BT2 Reactors
NT1 Kiwi-TNT Reactor
NT1 NERVA Reactor
NT1 NRX-A2 Reactor
NT1 NRX-A3 Reactor
NT1 NRX-A4-Est Reactor
NT1 NRX-A5 Reactor
NT1 NRX-A6 Reactor
NT1 Pewee-1 Reactor
NT1 Pewee-2 Reactor
NT1 Pewee-3 Reactor
NT1 Pewee-4 Reactor

NT1 Phoebus-1A Reactor
NT1 Phoebus-1B Reactor
NT1 Phoebus-2A Reactor
NT1 XE-Prime Reactor
RT NRX-A7 Reactor
RT Space Propulsion Reactors
RT XE-2 Reactor

Hydrogen Cyanides
DA August 19, 1975
USE Hydrocyanic Acid

HYDROGEN DEUTERIDE [01]
DA December 1, 1974
UF *Deuterium Hydride*
BT1 Deuterides
BT2 Deuterium Compounds
BT3 Hydrogen Compounds
RT Deuterium
RT Hydrogen 1

Hydrogen Donor Reactions
DA October 23, 1978
USE Hydrogen Transfer

HYDROGEN EMBRITTLEMENT [01]
DA June 6, 1980
BT1 Embrittlement
RT Brittleness
RT Fracture Properties
RT Hydridation
RT Hydrogen
RT Interstitial Hydrogen Generation
DEF A decrease in fracture strength of metals due to the incorporation of hydrogen in the metal lattice.

Hydrogen Fluorides
DA December 1, 1974
USE Hydrofluoric Acid

HYDROGEN FUEL CELLS [01]
DA January 23, 1975
BT1 Fuel Cells
BT2 Direct Energy Converters
BT2 Electrochemical Cells

HYDROGEN FUELS [01]
DA March 27, 1975
BT1 Synthetic Fuels
BT2 Fuels
RT Automotive Fuels
RT Aviation Fuels
RT Hydrogen
RT Jet Engine Fuels
RT Propellants
RT Slush

Hydrogen Generation
DA April 28, 1983
USE Interstitial Hydrogen Generation

HYDROGEN GENERATORS
DA January 23, 1975
BT1 Gas Generators
RT Hydrogen Production
DEF Devices for continuous production of small quantities of hydrogen.

Hydrogen Hydroxides
DA December 1, 1974
USE Water

Hydrogen Iodides
DA February 9, 1983
USE Hydriodic Acid

HYDROGEN IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles
NT1 Hydrogen Ions 1 Minus
NT1 Hydrogen Ions 1 Plus
NT1 Hydrogen Ions 2 Plus
NT1 Hydrogen Ions 3 Plus

HYDROGEN IONS 1 MINUS [01]
(For H_1^- ions.)
DA December 1, 1974
BT1 Anions
BT2 Ions
BT3 Charged Particles
BT1 Hydrogen Ions
BT2 Ions
BT3 Charged Particles

HYDROGEN IONS 1 PLUS [01]
(For H_1^+ ions.)
DA December 1, 1974
BT1 Cations
BT2 Ions
BT3 Charged Particles
BT1 Hydrogen Ions
BT2 Ions
BT3 Charged Particles
RT H2 Regions
RT Oxonium Ions
RT Protons

HYDROGEN IONS 2 PLUS [01]
(For H_2^+ ions.)
DA December 1, 1974
BT1 Cations
BT2 Ions
BT3 Charged Particles
BT1 Hydrogen Ions
BT2 Ions
BT3 Charged Particles
BT1 Molecular Ions
BT2 Ions
BT3 Charged Particles

HYDROGEN IONS 3 PLUS [01]
(For H_3^+ ions.)
DA December 1, 1974
BT1 Cations
BT2 Ions
BT3 Charged Particles
BT1 Hydrogen Ions
BT2 Ions
BT3 Charged Particles
BT1 Molecular Ions
BT2 Ions
BT3 Charged Particles

HYDROGEN ISOTOPES [01]
DA December 1, 1974
BT1 Isotopes
NT1 Deuterium
NT1 Hydrogen 1
NT1 Hydrogen 4
NT1 Hydrogen 5
NT1 Hydrogen 6
NT1 Hydrogen 7
NT1 Tritium

Hydrogen Logs
DA March 27, 1979
SEE Neutron-Gamma Logging
OR Neutron Logging
OR Neutron-Neutron Logging

HYDROGEN METERS [01]
DA January 21, 1975
BT1 Meters
BT2 Measuring Instruments
RT Chemical Analysis
RT Hydrogen

Hydrogen Minus 1 Beams
DA March 5, 1979
USE Hydrogen 1 Minus Beams

Hydrogen Nitrates
DA December 1, 1974
USE Nitric Acid

HYDROGEN PEROXIDE [01]
DA December 1, 1974
BT1 Hydrogen Compounds
BT1 Peroxides
BT2 Oxygen Compounds

Hydrogen Phosphates
DA December 1, 1974
USE Phosphoric Acid

HYDROGEN PRODUCTION
DA January 23, 1975
UF *Production (Hydrogen)*
RT Autothermal Reformer Processes
RT Biophotolysis
RT Bosch Process
RT Hydrogen
RT Hydrogen Generators
RT Partial Oxidation Processes
RT Photoelectrolysis
RT Photoelectrolytic Cells
RT Reformer Processes
RT Steam-Iron Process
RT Steam Reformer Processes
RT Thermochemical Processes
RT Water Gas Processes

Hydrogen Production Rates
DA September 26, 1979
USE Gas Production Rates

Hydrogen Selenides
DA May 12, 1982
USE Selenium Hydrides

Hydrogen Silicates
DA December 1, 1974
USE Silicic Acid

HYDROGEN STORAGE [01]
DA January 23, 1975
BT1 Storage
RT Chemisorption
RT Cryogenics
RT Energy Storage
RT Hydrides
RT Hydrogen
RT Hydrogen-Based Economy
RT Tanks

Hydrogen Sulfates
DA December 1, 1974
USE Sulfuric Acid

HYDROGEN SULFIDES [01]
DA December 1, 1974
UF *Sulfur Hydrides*
BT1 Hydrogen Compounds
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds
RT Sour Crudes

HYDROGEN TRANSFER [01]
DA October 23, 1978
UF *Hydrogen Donor Reactions*
RT Charge Exchange
RT Chemical Reactions
RT Isotopic Exchange
RT Photochemical Reactions

HYDROGEN TRITIDE [01]
DA February 19, 1976
BT1 Tritides
BT2 Tritium Compounds
BT3 Hydrogen Compounds

Hydrogenase
(Prior to January 1981, this was a valid descriptor and older material is so indexed.)
DA December 1, 1974
USE Hydrogenases

HYDROGENASES [01]
(Code number 1.12)
DA January 12, 1981
UF *Hydrogenase*
BT1 Oxidoreductases
BT2 Enzymes
BT3 Proteins
BT4 Organic Compounds

HYDROGENATION [01]
DA December 1, 1974
BT1 Chemical Reactions
NT1 Gulf HDS Process
RT Aurabon Process
RT Clean Coke Process
RT CS-R Process
RT Dehydrogenation
RT Deuteration
RT Fischer-Tropsch Synthesis
RT Flash Hydropyrolysis Process
RT LC-Fining

RT Stone and Webster Gasification Process
RT Zinc Halide Process

HYDROLASES [01]
(Code number 3.)
DA December 1, 1974
BT1 Enzymes
BT2 Proteins
BT3 Organic Compounds
NT1 Acid Anhydrases
NT2 GTP-ases
NT2 Phosphohydrolases
NT3 ATP-ase
NT1 Esterases
NT2 Carboxylesterases
NT3 Cholinesterase
NT3 Lipases
NT2 Phosphatases
NT3 Acid Phosphatase
NT3 Alkaline Phosphatase
NT3 Nucleotidases
NT2 Phosphodiesterases
NT3 DNA-ase
NT4 Endonucleases
NT3 Nucleases
NT3 RNA-ase
* **NT1** Glycosyl Hydrolases
NT1 Non-Peptide C-N Hydrolases
NT2 Amidases
NT3 Arginase
NT2 Amidinases
NT3 Urease
* **NT1** Peptide Hydrolases
RT Enzymatic Hydrolysis

HYDROLOGY [01]
DA December 1, 1974
RT Aquifers
RT Floods
RT Ground Water
RT Hydraulic Conductivity
RT Lakes
RT Piezometry
RT Rivers
RT Site Characterization
RT Surface Waters
RT Water Springs
RT Water Tables

HYDROLYSIS [01]
DA December 1, 1974
BT1 Lysis
BT1 Solvolysis
BT2 Decomposition
BT3 Chemical Reactions
NT1 Acid Hydrolysis
NT1 Alkaline Hydrolysis
NT1 Autohydrolysis
NT1 Enzymatic Hydrolysis
NT1 Saccharification
NT1 Saponification
RT Esters

HYDROMAGNETIC WAVES [01]
DA December 1, 1974
UF *Magnetohydrodynamic Waves*
NT1 Alfven Waves
NT1 Magnetoacoustic Waves
NT2 Fast Magnetoacoustic Waves
RT Magnetoacoustics
RT Plasma Waves
RT Shock Waves

HYDROMETALLURGY [01]
DA December 1, 1974
BT1 Extractive Metallurgy
BT2 Metallurgy
RT Leaching
RT Precipitation
RT Solvent Extraction

Hydronium Ions
DA August 24, 1977
USE Oxonium Ions

HYDRONIUM RADICALS [01]
DA December 1, 1974
BT1 Radicals
RT Water

HYDROPEROXY RADICALS [01]
(HO2)
DA December 1, 1974
UF *HO2*
UF *Perhydroxyl Radical*
BT1 Radicals

HYDROPHYLIC POLYMERS
DA January 21, 1975
BT1 Gels
BT2 Colloids
BT3 Dispersions
BT1 Polymers
RT Shielding Materials
RT Water

HYDROPONIC CULTURE [01]
DA May 13, 1976
BT1 Cultivation Techniques
RT Agriculture
RT Aquaculture
RT Crops
RT Greenhouses
RT Plant Growth
DEF Growing of plants in a nutrient solution with the mechanical support of an inert medium such as sand.

HYDRORETORTING ASSAY
DA October 10, 1984
RT Oil Shales
RT Shale Oil

HYDROSPHERE [01]
DA December 1, 1974
RT Aquatic Ecosystems
RT Cryosphere
RT Environment
RT Glaciers
RT Limnology
RT Surface Waters
RT Water

HYDROSTATIC BEARINGS [01]
DA October 19, 1978
BT1 Bearings
RT Liquids
RT Lubrication

HYDROSTATICS [01]
DA December 1, 1974
RT Fluid Mechanics
RT Pore Pressure

HYDROTHERMAL ALTERATION
DA January 23, 1975
RT Hydrothermal Stage
RT Rock-Fluid Interactions
DEF Alteration of rocks or minerals by the reaction of hydrothermal water with preexisting solid phases.

Hydrothermal Convective Systems
DA March 11, 1976
USE Hydrothermal Systems

HYDROTHERMAL STAGE [01]
DA December 1, 1974
RT Hydrothermal Alteration
RT Metamorphism
DEF That stage in the cooling of a magma containing volatiles during which the residual fluid is strongly enriched in water and other volatiles.

HYDROTHERMAL SYNTHESIS
DA December 16, 1975
BT1 Synthesis
RT Paragenesis
DEF Mineral synthesis in presence of water at elevated temperature.

HYDROTHERMAL SYSTEMS [01]
DA January 23, 1975
UF *Hydrothermal Convective Systems*
BT1 Energy Systems
BT1 Geothermal Systems
NT1 Geothermal Hot-Water Systems
NT1 Vapor-Dominated Systems
RT Fumaroles
RT Geothermal Fluids
RT Geysers
RT Hot Springs
RT Thermal Springs
RT Thermal Waters
RT Warm Springs
DEF Geothermal system where most of the heat is transferred by the convective circulation of water or steam.

HYDROTHORITE [01]
DA December 1, 1974
BT1 Silicate Minerals
BT2 Minerals
BT1 Thorium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
BT1 Thorium Silicates
BT2 Silicates
BT3 Oxygen Compounds
BT3 Silicon Compounds
BT2 Thorium Compounds
BT3 Actinide Compounds

HYDROTORTING PROCESS
DA June 12, 1975
RT Oil Shales
RT Retorting
DEF Finely crushed oil shale is retorted under high pressure in presence of hydrogen; process developed by Texaco.

HYDROXAMIC ACIDS [01]
DA December 1, 1974
BT1 Amines
BT2 Organic Compounds
BT1 Hydroxy Compounds
BT2 Organic Compounds
NT1 Benzohydroxamic Acid
RT Organic Acids

HYDROXIDE MODERATORS [01]
DA December 1, 1974
BT1 Moderators
RT Hydroxides

HYDROXIDES [01]
DA December 1, 1974
UF *Alkalis*
UF+ *Hydroxyl Ions*
BT1 Hydrogen Compounds
BT1 Oxygen Compounds
NT1 Actinium Hydroxides
NT1 Aluminium Hydroxides
NT2 Gibbsite
NT2 Nordstrandite
NT1 Americium Hydroxides
NT1 Ammonium Hydroxides
NT1 Antimony Hydroxides
NT1 Barium Hydroxides
NT1 Berkelium Hydroxides
NT1 Beryllium Hydroxides
NT1 Bismuth Hydroxides
NT1 Boron Hydroxides
NT1 Cadmium Hydroxides
NT1 Calcium Hydroxides
NT1 Cerium Hydroxides
NT1 Cesium Hydroxides
NT1 Chromium Hydroxides
NT1 Cobalt Hydroxides
NT1 Copper Hydroxides
NT1 Curium Hydroxides
NT1 Dawsonite
NT1 Dysprosium Hydroxides
NT1 Einsteinium Hydroxides
NT1 Erbium Hydroxides
NT1 Europium Hydroxides
NT1 Gadolinium Hydroxides
NT1 Gallium Hydroxides
NT1 Germanium Hydroxides
NT1 Hafnium Hydroxides
NT1 Helium Hydroxides
NT1 Holmium Hydroxides
NT1 Indium Hydroxides
NT1 Iron Hydroxides
NT1 Lanthanum Hydroxides
NT1 Lead Hydroxides
NT1 Lithium Hydroxides
NT1 Lutetium Hydroxides

NT1 Magnesium Hydroxides
NT1 Manganese Hydroxides
NT1 Molybdenum Hydroxides
NT1 Neodymium Hydroxides
NT1 Neptunium Hydroxides
NT1 Nickel Hydroxides
NT1 Niobium Hydroxides
NT1 Palladium Hydroxides
NT1 Platinum Hydroxides
NT1 Plutonium Hydroxides
NT1 Polonium Hydroxides
NT1 Potassium Hydroxides
NT1 Praseodymium Hydroxides
NT1 Promethium Hydroxides
NT1 Protactinium Hydroxides
NT1 Rhenium Hydroxides
NT1 Rhodium Hydroxides
NT1 Rubidium Hydroxides
NT1 Ruthenium Hydroxides
NT1 Samarium Hydroxides
NT1 Scandium Hydroxides
NT1 Selenium Hydroxides
NT1 Silicon Hydroxides
NT1 Silver Hydroxides
NT1 Sodium Hydroxides
NT1 Strontium Hydroxides
NT1 Tantalum Hydroxides
NT1 Tellurium Hydroxides
NT1 Terbium Hydroxides
NT1 Thallium Hydroxides
NT1 Thorium Hydroxides
NT1 Thulium Hydroxides
NT1 Tin Hydroxides
NT1 Titanium Hydroxides
NT1 Tungsten Hydroxides
NT1 Uranium Hydroxides
NT1 Vanadium Hydroxides
NT1 Xenon Hydroxides
NT1 Ytterbium Hydroxides
NT1 Yttrium Hydroxides
NT1 Zinc Hydroxides
NT1 Zirconium Hydroxides
RT Bases
RT Hydroxide Moderators
RT Hydroxyl Radicals
RT Hydroxylation

HYDROXY ACIDS [01]
(For CARBOXYLIC ACIDS only.)
DA December 1, 1974
BT1 Carboxylic Acids
BT2 Organic Acids
BT3 Organic Compounds
NT1 Acetylsalicylic Acid
NT1 Aluminon
NT1 Benzilic Acid
NT1 Carnitine
NT1 Citric Acid
NT1 Diiodotyrosine
NT1 DOPA
NT1 EDDHA
NT1 Eosin
NT1 Fluorescein
NT2 Erythrosine
NT1 Galacturonic Acid
NT1 Gallic Acid
NT1 Gibberellic Acid
NT1 Gluconic Acid
NT1 Glucuronic Acid
NT1 Glyceric Acid
NT1 Glycolic Acid
NT1 HEDTA
NT1 HEIDA
NT1 Hydroxyproline
NT1 Hydroxytryptophan
NT1 Lactic Acid
NT1 Malic Acid
NT1 Mandelic Acid
NT1 Melilotic Acid
NT1 Methyl Tyrosine
NT1 Mevalonic Acid
NT1 Pantothenic Acid
NT1 Podophyllic Acid
NT1 Rose Bengal
NT1 Salicylic Acid
NT1 Serine
NT1 Shikimic Acid
NT1 Tartaric Acid
NT1 Threonine
NT1 Thyronine
NT1 Trihydroxyglutaric Acid
NT1 Tyrosine
RT Hydroxy Compounds
RT Lactones

Hydroxy-alpha-Alanine-beta
DA December 1, 1974
USE Serine

HYDROXY COMPOUNDS [01]
(For organic compounds only and excluding SACCHARIDES, GLYCOSIDES and HYDROXY ACIDS.)
DA December 1, 1974
UF+ *TMPN*
BT1 Organic Compounds
NT1 Alcohols
NT2 2-Methylpropanol
NT2 Batyl Alcohol
NT2 Benzhydrol
NT2 Benzyl Alcohol
NT2 Butanols
NT2 Choline
NT2 Cyclohexanol
NT2 Decanols
NT2 Enols
NT2 Erythritol
NT2 Ethanol
NT2 Geraniol
NT2 Glycerol
NT2 Glycols
NT3 Benzopinacol
NT3 Butanediols
NT3 Carbitols
NT3 Cellosolves
NT3 EGTA
NT3 Pinacol
NT3 Polyethylene Glycols
NT4 Carbowax
NT4 Pluronics
NT2 Hexanols
NT2 Methanol
NT2 Metronidazole
NT2 Octanols
NT2 Pentanols
NT2 Propanols
NT2 PVA
NT1 Alizarin
NT1 Androsterone
NT1 BPH
NT1 Carminic Acid
NT1 Chromotropic Acid
* NT1 Corticosteroids
NT1 Cupferron
NT1 Dianabol
NT1 Ephedrine
NT1 Estradiol
NT1 Estriol
NT1 Estrone
NT1 Ferron
NT1 Folic Acid
NT1 Guanine
NT1 Hydroxamic Acids
NT2 Benzohydroxamic Acid
NT1 Hydroxyandrostenone
NT1 Hydroxypregnenone
NT1 Hydroxyurea
NT1 Hypoxanthine
NT1 Kynurenic Acid
NT1 Melanin
NT1 Oximes
NT2 Benzoinoxime
NT2 Dimethylglyoxime
NT2 Furildioxime
NT1 Oxine
NT1 Phenols
NT2 Amidol
NT2 BAMBP
NT2 Cresols
NT2 Dinitrophenol
NT2 Eriochrome Dyes
NT2 Naphthols
NT3 1-Nitroso-2-Naphthol
NT3 Acid Chrome Dyes
NT3 Beryllon
NT3 Nitroso-R Salt
NT3 PAN
NT3 Thorin
NT3 Trypan Blue
NT2 Nitrophenol
NT2 Phenol
NT2 Phenolphthalein
NT2 Picric Acid
NT2 Polyphenols
NT3 Arsenazo
NT3 Aurin
NT3 Bromosulfophthalein
NT3 Catecholamines
NT3 Curcumin
NT3 Dopamine
NT3 Fluorescein
NT4 Erythrosine
NT3 Hematoxylin
NT3 Morin
NT3 Pyridylazoresorcinol
NT3 Pyrocatechol
NT3 Pyrogallol
NT3 Quercetin
NT3 Resorcinol
NT3 Stilbestrol
NT3 Tannic Acid
NT3 Tiron
NT2 POP
NT2 Thymol
NT2 Tyramine
NT2 Xylenols
NT1 Pregnanediol
NT1 Pregnanetriol
NT1 Pyridoxine
NT1 Quinizarin
NT1 Rhodizonic Acid
NT1 Serotonin
NT2 Bufotenine
NT1 Sterols
NT2 Bile Acids
NT3 Cholic Acid
NT2 Cholesterol
NT2 Ergosterol
NT2 Lanolin
NT2 Sitosterol
NT1 Testosterone
NT1 Thiamine
NT1 Uracils
NT2 Bromouracils
NT3 BUDR
NT2 Chlorouracils
NT2 Deoxyuridine
NT2 Fluorouracils
NT3 FUDR
NT2 Iodouracils
NT3 Iododeoxyuridine
NT2 Orotic Acid
NT2 Thiouracil
NT2 Thymine
NT2 Uridine
RT Hydroxy Acids
RT Inositols

Hydroxy-para-Cymene
DA December 1, 1974
USE Thymol

Hydroxyacetic Acid
DA December 1, 1974
USE Glycolic Acid

HYDROXYANDROSTENONE [01]
DA December 1, 1974
UF *Dehydroepiandrosterone*
BT1 Androgens
BT2 Androstanes
BT3 Steroids
BT4 Organic Compounds
BT2 Steroid Hormones
BT3 Hormones
BT1 Hydroxy Compounds
BT2 Organic Compounds
BT1 Ketones
BT2 Organic Compounds

Hydroxybenzene
DA December 1, 1974
USE Phenol

Hydroxybenzoic Acid-ortho
DA December 1, 1974
USE Salicylic Acid

Hydroxydiphenylacetic Acid
DA December 1, 1974
USE Benzilic Acid

Hydroxyethylethylenediaminetri-acetic Acid
DA December 1, 1974
USE HEDTA

Hydroxyethyliminodiacetic Acid
DA December 1, 1974
USE HEIDA

Hydroxyl Ions
DA December 1, 1974
USE Anions
AND Hydroxides

HYDROXYL RADICALS [01]
DA December 1, 1974
BT1 Radicals
RT Hydroxides
RT Oxygen Compounds

HYDROXYLAMINE [01]
DA December 1, 1974
BT1 Amines
BT2 Organic Compounds
NT1 Neocupferron
RT Oximes

Hydroxylase
(Prior to January 1981 this was a valid descriptor and older material is so indexed.)
DA December 1, 1974
USE Hydroxylases

HYDROXYLASES [01]
(Code number 1.14)
DA January 12, 1981
UF *Hydroxylase*
BT1 Oxidoreductases
BT2 Enzymes
BT3 Proteins
BT4 Organic Compounds
NT1 Tyrosinase

HYDROXYLATION [01]
DA December 16, 1976
RT Chemical Reactions
RT Hydroxides

Hydroxynaphthalenes
DA December 1, 1974
USE Naphthols

HYDROXYPREGNENONE [01]
DA December 1, 1974
UF *Pregnenolone*
BT1 Hydroxy Compounds
BT2 Organic Compounds
BT1 Ketones
BT2 Organic Compounds
BT1 Pregnanes
BT2 Steroids
BT3 Organic Compounds
RT Progesterone

HYDROXYPROLINE [01]
DA December 1, 1974
BT1 Amino Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT1 Heterocyclic Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT2 Heterocyclic Compounds
BT3 Organic Compounds
BT1 Hydroxy Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT1 Pyrrolidines
BT2 Amines
BT3 Organic Compounds
BT2 Pyrroles
BT3 Azoles
BT4 Heterocyclic Compounds
BT5 Organic Compounds
BT4 Organic Nitrogen Compounds
BT5 Organic Compounds
RT Collagen
RT Proline

Hydroxypropionic Acid-alpha
DA December 1, 1974
USE Lactic Acid

Hydroxypropiophenone
DA December 1, 1974
USE POP

8-Hydroxyquinoline
DA May 12, 1975
USE Oxine

Hydroxysuccinic Acid
DA December 1, 1974
USE Malic Acid

Hydroxytoluenes
DA December 1, 1974
USE Cresols

HYDROXYTRYPTOPHAN [01]
DA December 1, 1974
BT1 Amino Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT1 Hydroxy Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT1 Radioprotective Substances
BT2 Drugs
RT Tryptophan

HYDROXYUREA
DA March 11, 1976
BT1 Amides
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
BT1 Hydroxy Compounds
BT2 Organic Compounds

8-Hydroxyxanthine
DA December 1, 1974
USE Uric Acid

Hydroxyxylenes
DA January 29, 1975
USE Xylenols

Hyflex Process
(Prior to July 1993, this was a valid descriptor.)
DA July 6, 1981
USE Coal Gasification
DEF In the Hyflex Process carbonaceous raw materials are cocurrently heated with hydrogen or another gas in an entrained-flow reactor to pyrolysis temperatures, which produces a slate of products that can be varied by choosing different operating pressures and cracking severities.

HYGAS PROCESS
DA January 24, 1975
UF *IGT Hydrogasification Process*
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes
BT1 SNG Processes
RT High BTU Gas
DEF Institute of Gas Technology hydrogasification process for producing high-Btu gas by slurrying the coal with light oil and using a three-stage gasifier.

HYGROMETRY [01]
DA December 1, 1974
NT1 Psychrometry
RT Humidity
RT Moisture Gages

HYGROSCOPICITY [01]
DA December 1, 1974
RT Adsorption

HYLEMYA ANTIQUA [01]
DA December 1, 1974
BT1 Flies
BT2 Diptera
BT3 Insects
BT4 Arthropods
BT5 Invertebrates
BT6 Animals
RT Onions

HYLIFE CONVERTER [01]
(High Yield Lithium Injection Fusion Energy Converter.)
DA January 30, 1979
BT1 Laser Fusion Reactors
BT2 Thermonuclear Reactors

HYLLERAAS COORDINATES [01]
DA December 1, 1974
BT1 Coordinates
RT Quantum Mechanics

Hylleraas-Scherr-Knight Procedure
DA December 1, 1974
USE HSK Procedure

HYMENOLEPIS [01]
DA December 1, 1974
BT1 Cestodes
BT2 Platyhelminths
BT3 Helminths
BT4 Parasites

HYMENOPTERA [01]
DA June 16, 1981
BT1 Insects
BT2 Arthropods
BT3 Invertebrates
BT4 Animals
NT1 Ants
NT1 Bees
NT1 Wasps
NT2 Habrobracon

HYMU-80
DA December 1, 1974
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Nickel Base Alloys
BT2 Nickel Alloys
BT3 Alloys

HYOSCYAMINE [01]
DA December 1, 1974
BT1 Alkaloids
BT2 Organic Compounds

HYPAQUE [01]
DA December 1, 1974
BT1 Amides
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
BT1 Contrast Media
BT1 Organic Iodine Compounds
BT2 Organic Halogen Compounds
BT3 Organic Compounds
BT1 Sodium Compounds
BT2 Alkali Metal Compounds
RT Benzoic Acid

HYPERCHARGE [01]
DA December 1, 1974
BT1 Particle Properties
RT Charm Particles
RT Gauge Invariance
RT Grace Particles
RT Taste Particles

HYPERCUBE COMPUTERS [01]
DA October 22, 1987
BT1 Computers
RT Array Processors
RT Supercomputers
DEF Computer architecture in which each processor has its own memory and is connected to a number of other processors.

HYPERFINE STRUCTURE [01]
DA December 1, 1974
UF *HFS*
RT Spectra

Hyperfragments
DA December 1, 1974
USE Hypernuclei

HYPERGEOMETRIC FUNCTIONS [01]
DA December 1, 1974
BT1 Functions

HYPERGLYCEMIA [01]
DA December 1, 1974
RT Saccharides

HYPERNUCLEI [01]
DA December 1, 1974
UF *Hyperfragments*
BT1 Nuclear Fragments
BT1 Nuclei
RT Hyperons

HYPERON BEAMS [01]
DA December 1, 1974
BT1 Particle Beams
BT2 Beams
NT1 Lambda Particle Beams
NT1 Omega Particle Beams
NT1 Sigma Particle Beams
NT1 Xi Particle Beams

HYPERON-HYPERON INTERACTIONS [01]
DA December 1, 1974
BT1 Baryon-Baryon Interactions
BT2 Hadron-Hadron Interactions
BT3 Particle Interactions
BT4 Interactions

HYPERON REACTIONS [01]
DA December 1, 1974
BT1 Baryon Reactions
BT2 Hadron Reactions
BT3 Nuclear Reactions

HYPERONS [01]
DA December 1, 1974
UF *Strange Baryons*
BT1 Baryons
BT2 Fermions
BT2 Hadrons
BT3 Elementary Particles
BT1 Strange Particles
BT2 Elementary Particles
NT1 Antihyperons
NT2 Antilambda Particles
NT2 Antiomega Particles
NT2 Antisigma Particles
NT2 Antixi Particles
* **NT1** Lambda Baryons
NT1 Lambda-N-2130 Dibaryons
NT1 Omega Baryons
NT2 Omega Particles
NT3 Antiomega Particles
* **NT1** Sigma Baryons
* **NT1** Xi Baryons
* **NT1** Z*Baryons
RT Hypernuclei

HYPERPARATHYROIDISM [01]
DA December 27, 1984
BT1 Endocrine Diseases
BT2 Diseases
RT Bone Tissues
RT Calcium
RT Parathyroid Glands

HYPERSONIC FLOW [01]
DA December 1, 1974
BT1 Fluid Flow

HYPERTENSION [01]
DA December 1, 1974
BT1 Cardiovascular Diseases
BT2 Diseases
BT1 Symptoms
BT1 Vascular Diseases
BT2 Diseases
RT Antihypertensive Agents
RT Biological Stress
RT Blood Pressure

HYPERTHERMIA [01]
DA July 7, 1976
BT1 Body Temperature
RT Hypothermia

HYPERTHYROIDISM [01]
DA December 1, 1974
UF *Basedow's Disease*
UF *Thyrotoxicosis*
BT1 Endocrine Diseases
BT2 Diseases
RT Antithyroid Drugs
RT Goiter
RT Thyroid Hormones

HYPERTONIC SOLUTIONS [01]
DA April 4, 1975
BT1 Solutions
BT2 Mixtures
BT3 Dispersions
RT Osmosis

HYPERTROPHY [01]
DA December 1, 1974
BT1 Pathological Changes

HYPNOTICS AND SEDATIVES [01]
DA December 1, 1974
UF *Sedatives*
BT1 Central Nervous System Depressants
BT2 Drugs
NT1 Barbiturates
NT2 Amytal
NT2 Nembutal
NT2 Phenobarbital
NT2 Thiopental
NT1 Chlorpromazine
RT Analgesics
RT Anesthetics
RT Narcotics
RT Sleep
RT Tranquilizers

HYPOCENTERS
DA October 25, 1978
RT Benioff Zone
RT Earthquakes
DEF The subterranean source of the earthquake, also the center of the subterranean area in which the energy of the earthquake is suppossed to be concentrated.

HYPOCHLOROUS ACID [01]
DA December 1, 1974
BT1 Chlorine Compounds
BT2 Halogen Compounds
BT1 Inorganic Acids
BT2 Hydrogen Compounds

HYPOFLUOROUS ACID
DA December 22, 1977
BT1 Inorganic Acids
BT2 Hydrogen Compounds

HYPOIODOUS ACID [01]
DA January 9, 1981
BT1 Inorganic Acids
BT2 Hydrogen Compounds
BT1 Iodine Compounds
BT2 Halogen Compounds
BT1 Oxygen Compounds

Hypophosphites
DA December 1, 1974
USE Hypophosphorous Acid

HYPOPHOSPHOROUS ACID [01]
DA December 1, 1974
UF *Hypophosphites*
BT1 Inorganic Acids
BT2 Hydrogen Compounds

HYPOPHYSECTOMY [01]
DA December 1, 1974
BT1 Surgery
BT2 Medicine
RT Hypothalamus
RT Pituitary Gland
RT Pituitary Hormones

Hypophysis
DA December 1, 1974
USE Pituitary Gland

HYPOTENSION [01]
DA December 1, 1974
RT Biological Stress
RT Blood Pressure

HYPOTHALAMUS [01]
DA December 1, 1974
BT1 Brain
BT2 Central Nervous System
BT3 Nervous System
BT2 Organs
BT3 Body
RT Autonomic Nervous System
RT Endocrine Glands
RT Homeostasis
RT Hypophysectomy
RT Metabolism
RT Pituitary Gland
RT TRH

HYPOTHERMIA [01]
DA December 1, 1974
BT1 Body Temperature
RT Hibernation
RT Hyperthermia

HYPOTHESIS [01]
DA December 1, 1974
NT1 Ergodic Hypothesis
NT1 Limiting Fragmentation
NT1 Mach Principle
NT1 Negative Mass
RT Comparative Evaluations
RT Functional Models
RT Mathematical Models
RT Structural Models

HYPOTHYROIDISM [01]
DA December 1, 1974
UF *Myxedema*
BT1 Endocrine Diseases
BT2 Diseases
RT Antithyroid Drugs
RT Goiter
RT Thyroid Hormones

HYPOXANTHINE [01]
DA December 1, 1974
BT1 Hydroxy Compounds
BT2 Organic Compounds
BT1 Purines
BT2 Azaarenes
BT3 Aromatics
BT4 Organic Compounds
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
RT Inosine
RT Nucleotides
RT Xanthines

HYPOXANTHINE PHOSPHORIBOSYLTRANSFERASE
DA June 13, 1981
UF *Hypoxanthine Quanine Phosphoribosyltransferase*
BT1 Pentosyl Transferases
BT2 Glycosyl Transferases
BT3 Transferases
BT4 Enzymes
BT5 Proteins
BT6 Organic Compounds

Hypoxanthine Quanine Phosphoribosyltransferase
DA June 13, 1981
USE Hypoxanthine Phosphoribosyltransferase

Hypoxia
DA December 1, 1974
USE Anoxia

HYSTERESIS [01]
DA December 1, 1974
RT Damping
RT Energy Losses
RT Internal Friction
RT Tolerance

HYTORT PROCESS
DA August 7, 1979
RT Black Shales

RT Retorting
DEF Direct, non-catalytic hydrogeneration of kerogen at high pressures and controlled heat-up rates; developed by IGT.

HZ RANGE [01]
DA December 1, 1974
BT1 Frequency Range
NT1 Milli Hz Range

I-Beam Type Reactors
DA September 15, 1976
USE Ion Beam Fusion Reactors

I CENTERS [01]
(Interstitial halogen-ion centers)
DA April 4, 1975
BT1 Color Centers
BT2 Vacancies
BT3 Point Defects
BT4 Crystal Defects
BT5 Crystal Structure
BT1 Interstitials
BT2 Point Defects
BT3 Crystal Defects
BT4 Crystal Structure

I CODES [01]
DA December 1, 1974
BT1 Computer Codes

I G PROCESS
DA January 24, 1975
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes

I-Inositol
DA December 1, 1974
USE Inositol

IAEA [01]
DA December 1, 1974
UF *International Atomic Energy Agency*
BT1 International Organizations
NT1 ICTP
NT1 ILMR
NT1 Seibersdorf IAEA Laboratory
RT Austria
RT CANARE
RT CENNA
RT IAEA Agreements
RT IAEA Safeguards
RT Recommendations
RT United Nations

IAEA AGREEMENTS [01]
DA December 1, 1974
BT1 International Agreements
BT2 Agreements
RT IAEA
RT Legal Aspects

IAEA SAFEGUARDS [01]
DA December 1, 1974
BT1 Safeguards
RT IAEA

IAN [01]
(Instituto de Asumtos Nucleares, Bogata.)
DA June 9, 1987
BT1 Colombian Organizations
BT2 National Organizations

IAN-R1 REACTOR [01]
(Institute of Nuclear Affairs, Bogota, Colombia.)
DA December 1, 1974
UF *Instituto de Asuntos Nucleares R1*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors

IANTHINITE [01]
DA December 1, 1974
BT1 Oxide Minerals
BT2 Minerals
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
BT1 Uranium Oxides
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT2 Uranium Compounds
BT3 Actinide Compounds

IBM COMPUTERS [01]
DA December 1, 1974
BT1 Computers

IBR-1
DA December 1, 1974
USE IFR Reactor

IBR-2 REACTOR [01]
DA January 20, 1975
UF *Dubna Pulsed Reactor*
BT1 Fast Reactors
BT2 Epithermal Reactors
BT3 Reactors
BT1 Pulsed Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors

IBR-30 REACTOR [01]
(Dubna, USSR.)
DA December 1, 1974
BT1 Fast Reactors
BT2 Epithermal Reactors
BT3 Reactors
BT1 Pulsed Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors

ICE [01]
DA December 1, 1974
NT1 Frost
NT1 Ice Caps
NT1 Icebergs
RT Antarctic Regions
RT Arctic Regions
RT Cryosphere
RT Defrosting
RT Glaciers
RT Hail
RT Slush
RT Snow
RT Water

ICE CAPS [01]
(Perennial cover of ice and snow on a land mass.)
DA July 25, 1986
BT1 Ice
RT Antarctic Regions
RT Arctic Regions
RT Cryosphere
RT Glaciers
RT Icebergs
RT Mountains
DEF A perennial cover of ice and snow on a land mass.

ICE CONDENSERS [01]
DA April 8, 1975
BT1 Steam Condensers
BT2 Vapor Condensers
BT3 Condensers
RT Containment Systems
RT Cooling

ICEBERGS [01]
DA August 7, 1979
BT1 Ice
RT Cryosphere
RT Ice Caps

Icebreaker Arktika Reactor
DA March 8, 1978
USE Arktika Reactor

Icebreaker Lenin Reactor
DA December 1, 1974
USE Lenin Reactor

ICELAND [01]
DA December 1, 1974
BT1 Developing Countries
BT1 Islands
BT1 Western Europe
BT2 Europe
RT Atlantic Ocean
RT Krafla Geothermal Field
RT Namafjall Geothermal Field
RT OECD

ICES
(Prior to February 1992, this was a valid descriptor.)
DA February 10, 1992
USE ICES Program

ICES PROGRAM [01]
(Prior to February 1992, this subject was indexed to ICES.)
DA June 30, 1977
UF *ICES*
UF *Integrated Community Energy Systems*
BT1 Energy Systems
NT1 Thermal Transmission ICES
RT Communities
RT DEUS
RT Energy Facilities
RT Heating
RT IEUS
RT MIUS
RT Total Energy Systems
DEF Program to develop community-scale energy systems, integrating community design planning and energy technology concepts.

ICF DEVICES [01]
DA October 24, 1984
UF *Inertial Confinement Fusion Devices*
BT1 Thermonuclear Devices
NT1 Angara-5 Device
RT Inertial Confinement
RT Laser Fusion Reactors

ICHTHAMMOL
DA January 31, 1975
UF *Ichthyol*
RT Oil Shales
RT Shale Oil
DEF A brownish black viscous liquid prepared from a distillate of bituminous schists by sulfonation followed by neutralization with ammonia. It is used as an antiseptic and emollient.

Ichthyol
DA April 29, 1975
USE Ichthammol

ICHTHYOPLANKTON [01]
DA March 28, 1979
BT1 Plankton
BT2 Aquatic Organisms
RT Anadromous Fishes
RT Eggs
RT Fathead Minnow
RT Fishes

RT Larvae
DEF The microscopic free-floating eggs and larvae of fish.

ICI PROCESS
DA February 20, 1975
BT1 Desulfurization
BT2 Chemical Reactions
RT Waste Processing
DEF Process for removing fly ash and SO_2 from flue gases. It is a development of the Boliden process and involves recovery of S as liquefied SO_2 or free S.

ICL COMPUTERS [01]
DA December 1, 1974
BT1 Computers

ICONOSCOPES [01]
DA December 1, 1974
BT1 Camera Tubes
BT2 Image Tubes

ICR
DA January 27, 1984
USE Ion Cyclotron-Resonance

ICR HEATING [01]
DA December 1, 1974
UF *Ion Cyclotron-Resonance Heating*
BT1 High-Frequency Heating
BT2 Plasma Heating
BT3 Heating
RT Cyclotron Radiation
RT Ion Cyclotron-Resonance

ICRP [01]
DA December 1, 1974
UF *International Commission Radiological Protection*
BT1 International Organizations
RT ALARA
RT CUEX
RT ICRU
RT Radiation Protection
RT Recommendations
RT Reference Man

ICRP CRITICAL GROUP [01]
(Out of a general population, the group of persons most hightly exposed to radiation by virtue of their occupations, diets, habits, etc.)
DA April 4, 1975
UF *Critical Group (ICRP)*
RT Body Burden
RT Diet
RT Occupations
RT Radiation Doses
RT Radiation Hazards
RT Working Conditions

ICRU [01]
DA December 1, 1974
UF *International Commission Radiation Units*
BT1 International Organizations
RT Dosimetry
RT ICRP
RT Radiation Dose Units
RT Recommendations

ICTP [01]
(International Centre for Theoretical Physics, Trieste)
DA November 23, 1979
BT1 IAEA
BT2 International Organizations

IDAHO [01]
DA December 1, 1974
BT1 USA
BT2 Developed Countries
BT2 North America
NT1 Raft River Valley
RT Columbia River Basin
RT Snake River Plain
RT Western US Overthrust Belt
RT Yellowstone National Park

Idaho Advanced Test Reactor
DA December 1, 1974
USE ATR Reactor

IDAHO CHEMICAL PROCESSING PLANT [01]
DA December 1, 1974
BT1 Fuel Reprocessing Plants
BT2 Nuclear Facilities
BT1 US AEC
BT2 US Organizations
BT3 National Organizations
BT1 US DOE
BT2 US Organizations
BT3 National Organizations
BT1 US ERDA
BT2 US Organizations
BT3 National Organizations

Idaho Materials Testing Reactor
DA December 1, 1974
USE MTR Reactor

IDAHO NATIONAL ENGINEERING LABORATORY [01]
(Prior to 1976 known as NRTS and older material is so indexed.)
DA December 16, 1975
UF *National Reactor Testing Station*
UF *NRTS*
BT1 US DOE
BT2 US Organizations
BT3 National Organizations
BT1 US ERDA
BT2 US Organizations
BT3 National Organizations

IDEAL FLOW [01]
DA June 12, 1975
UF *Frictionless Flow*
UF *Inviscid Flow*
BT1 Fluid Flow

IDENTIFICATION SYSTEMS [01]
DA May 6, 1980
RT Control Systems
RT Data Acquisition Systems
RT Pattern Recognition
RT Secrecy Protection
RT Security

IEA
DA May 17, 1976
USE International Energy Agency

IEA-ZPR REACTOR [01]
DA June 30, 1975
BT1 Graphite Moderated Reactors
BT2 Reactors
BT1 Helium Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

IEAR-1 REACTOR [01]
DA December 1, 1974
UF *Instituto de Energia Atomica R1*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

IEUS
DA December 28, 1978
UF *Integrated Energy Utility Systems*
BT1 Energy Systems
NT1 MIUS
RT ICES Program
RT Public Utilities
RT Total Energy Systems

→**IFIEC [01]**
(International Federation of Industrial Energy Consumers.)
DA January 8, 1992
BT1 International Organizations
RT Industry
RT International Cooperation

IFIP [01]
DA June 16, 1975
BT1 Coordinated Research Programs
BT2 Research Programs
RT Food
RT Irradiation Procedures
RT Preservation

IFP PROCESS
DA January 27, 1975
UF *Catalytic-IFP Ammonia Scrubbing Process*
BT1 Desulfurization
BT2 Chemical Reactions
RT Waste Processing
DEF Process for removal of H_2S and SO_2 from Claus unit tail gas to an SO_2 level of 1,500 to 2,000 ppM (IFP-1) or 500 ppM or below (IFP-2) and stack gas clean-up to take SO_2 down to or below 500 ppM (IFP-2).

IFR REACTOR [01]
DA December 1, 1974
UF *IBR-1*
BT1 Fast Reactors
BT2 Epithermal Reactors
BT3 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

IGCAR [01]
(Kalpakkam, Tamilnadu, India.)
DA March 20, 1989
UF *Kalpakkam Reactor Research Center*
BT1 Indian Organizations
BT2 National Organizations

IGNALINSK-1 REACTOR [01]
DA September 20, 1984
UF *RBMK-1500 Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 LWGR Type Reactors
BT2 Graphite Moderated Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

IGNALINSK-2 REACTOR [01]
DA September 20, 1984
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 LWGR Type Reactors
BT2 Graphite Moderated Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

IGNEOUS ROCKS [01]
DA December 1, 1974
UF+ *Crystalline Rocks*
BT1 Rocks
NT1 Plutonic Rocks
NT2 Alkali Gabbros
NT2 Diorites
NT2 Gabbros
NT3 Anorthosites
NT2 Granites

NT3 Aplites
NT3 Granodiorites
NT3 Quartz Monzonite
NT2 Pegmatites
NT2 Peridotites
NT3 Kimberlites
NT2 Syenites
NT1 Volcanic Rocks
NT2 Andesites
NT2 Basalt
NT3 Diabases
NT2 Lamprophyres
NT3 Kimberlites
NT2 Nepheline Basalts
NT2 Perlite
NT2 Rhyolites
NT2 Trachytes
RT Basement Rock
RT Magma
RT Magmatism

IGNITION [01]
DA August 19, 1975
RT Combustion
RT Combustion Waves
RT Detonation Waves
RT Flames
RT Flammability
RT Ignition Systems

Ignition (Thermonuclear)
DA December 1, 1974
USE Thermonuclear Ignition

IGNITION QUALITY
DA January 30, 1975
RT Antiknock Ratings
RT Combustion

IGNITION SPHERICAL TORUS
DA April 8, 1987
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices
RT Compact Torus
DEF Small aspect ratio device retaining only indispensable components along the major axis of a tokamak plasma, such as a cooled, normal conductor producing a toroidal magnetic field.

IGNITION SYSTEMS [01]
DA May 17, 1976
RT Automobiles
RT Combustion
RT Combustors
RT Ignition

IGNITRONS [01]
DA December 1, 1974
BT1 Gas Discharge Tubes
BT2 Electron Tubes
BT1 Rectifier Tubes
BT2 Electron Tubes

IGT Biothermal Gasification
DA December 14, 1981
USE Biothermgas Process

IGT DEHYDRODESULFURIZATION PROCESS
DA September 4, 1980
BT1 Desulfurization
BT2 Chemical Reactions
DEF Fine crushed coal is first treated in a fluidized bed reactor with air at 400 C and then with hydrogen at 800 C; atmospheric pressure in both reactors.

IGT Hydrogasification Process
DA January 29, 1975
USE Hygas Process

IGT Waste Process
DA October 28, 1975
USE BIOGAS Process

IGY
DA December 1, 1974
USE International Geophysical Year

IHEP [01]
(Institute for High Energy Physics, Serpukhov, USSR.)
DA December 16, 1975
BT1 USSR Organizations
BT2 National Organizations
RT Serpukhov Synchrotron

IISNR Reactor
DA December 1, 1974
USE Thetis Reactor

IKATA-2 REACTOR [01]
(Ikata, Ehime, Japan)
DA December 11, 1985
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

IKATA-3 REACTOR [01]
(Ikata, Ehime, Japan.)
DA November 21, 1989
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

IKATA REACTOR [01]
(Ikata, Ehime, Japan)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

IKO [01]
DA September 11, 1978
UF *Inst V Kernph Onder Amsterdam*
BT1 Netherlands Organizations
BT2 National Organizations

IKO SYNCHROCYCLOTRON [01]
(IKO-Nuclear Physics Research Institute, Amsterdam.)
DA April 4, 1975
BT1 Synchrocyclotrons
BT2 Cyclic Accelerators
BT3 Accelerators

Ileum
DA December 1, 1974
USE Small Intestine

ILLIAC COMPUTERS [01]
DA December 1, 1974
BT1 Computers

Illinium
DA December 1, 1974
USE Promethium

ILLINOIS [01]
DA December 1, 1974
BT1 USA
BT2 Developed Countries
BT2 North America
NT1 Chicago
RT ANL
RT Chattanooga Formation
RT Illinois Basin
RT Mississippi River
RT Ohio River

ILLINOIS BASIN [01]
(Geographically, an area that includes all the coal reserves of Illinois, Indiana, and the western part of Kentucky.)
DA July 9, 1980
RT Coal Deposits
RT Illinois
RT Indiana
RT Kentucky

ILLITE [01]
DA December 1, 1974
BT1 Clays
DEF A general term for the clay-mineral constituent of argillaceous sediments belonging to the mica group; $2K_2O.3(Mg,Fe)0.8(Al,Fe)_2O_3.24SiO_2.12H_2O$.

ILLIUM [01]
DA December 1, 1974
BT1 Chromium Alloys
BT2 Alloys
BT1 Copper Alloys
BT2 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Nickel Base Alloys
BT2 Nickel Alloys
BT3 Alloys

ILLUMINANCE [01]
DA October 24, 1981
UF *Illumination*
UF *Luminous Flux Density*
RT Albedo
RT Brightness
RT Daylighting
RT Lighting Systems
RT Optics
DEF The density of luminous flux on a surface.

Illumination
DA October 24, 1981
USE Illuminance

Illumination Systems
DA February 13, 1975
USE Lighting Systems

ILMENITE [01]
DA December 1, 1974
BT1 Oxide Minerals
BT2 Minerals
RT Iron Oxides
RT Titanium Oxides
DEF An iron-black, opaque, rhombohedral mineral: $FeTiO_3$.

ILMR [01]
(International Laboratory of Marine Radioactivity, Monaco.)
DA November 24, 1987
BT1 IAEA
BT2 International Organizations

ILO [01]
DA December 1, 1974
UF *International Labour Organization*
BT1 International Organizations
RT United Nations
RT Work

ILVAITE [01]
DA April 28, 1978
BT1 Silicate Minerals
BT2 Minerals
RT Calcium Silicates
RT Iron Silicates

IMAGE CONVERTERS [01]
DA December 1, 1974

UF *Converters (Image)*
BT1 Image Tubes
RT Image Intensifiers
RT Image Processing

IMAGE INTENSIFIERS [01]
DA December 1, 1974
UF *Intensifiers (Image)*
RT Fluoroscopy
RT Image Converters
RT Image Processing
RT Radiation Protection

IMAGE PROCESSING [01]
DA June 2, 1977
BT1 Processing
RT CAT Scanning
RT Computerized Tomography
RT Data Processing
RT Digital Filters
RT ECAT Scanning
RT Image Converters
RT Image Intensifiers
RT Image Scanners
RT Images
RT Photocopying
RT Photography
RT Radioisotope Scanners
DEF Procedure for restoring or enhancing images, often by computer.

IMAGE SCANNERS [01]
DA December 1, 1974
UF *Scanners (Image)*
RT Computerized Tomography
RT Data Processing
RT Digitizers
RT Electronic Equipment
RT Image Processing
RT Particle Tracks
RT Pattern Recognition
RT Photographic Films
RT Photon Computed Tomography
RT Proton Computed Tomography
RT Radioisotope Scanners
RT Sequential Scanning

IMAGE STORAGE TUBES [01]
DA December 1, 1974
UF+ *Storage Tubes*
BT1 Image Tubes

IMAGE TUBES [01]
DA December 1, 1974
NT1 Camera Tubes
NT2 Iconoscopes
NT2 Orthicons
NT2 Vidicons
NT1 Image Converters
NT1 Image Storage Tubes
RT Cathode Ray Tubes
RT Display Devices
RT Electron Tubes
RT Images
RT Pattern Recognition
RT Photoelectric Cells

IMAGES [01]
DA December 1, 1974
UF *Autoradiographs*
UF *Photographs*
UF *Radiographs*
RT Display Devices
RT Image Processing
RT Image Tubes
RT Nuclear Emulsions
RT Pattern Recognition
RT Photographic Films
RT Radioisotope Scanners
RT Scintiscanning
RT Video Tapes

Imatran Voima Power Reactor
DA December 1, 1974
USE Loviisa Reactor

IMCO [01]
DA December 1, 1974
UF *International Maritime Consultative Organization*
BT1 International Organizations

IMIDAZOLES [01]
DA December 1, 1974
UF+ *Parabanic Acid*
BT1 Azoles
BT2 Heterocyclic Compounds
BT3 Organic Compounds
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
NT1 Allantoin
NT1 Benzimidazoles
NT1 Biotin
NT1 CMNI
NT1 Creatinine
NT1 Histamine
NT1 Histidine
NT1 Hydantoins
NT1 Metronidazole
NT1 Misonidazole
NT1 Urocan Acid
DEF Compounds that contain a five-membered heterocyclic ring containing nitrogen atoms in the 1 and 3 positions.

IMIDES [01]
DA December 1, 1974
BT1 Organic Nitrogen Compounds
BT2 Organic Compounds
NT1 NEM
RT Dicarboxylic Acids

IMIDINES [01]
DA December 1, 1974
BT1 Organic Nitrogen Compounds
BT2 Organic Compounds
RT Dicarboxylic Acids

IMINES [01]
(For aldehyde and ketone derivatives only.)
DA December 1, 1974
BT1 Organic Nitrogen Compounds
BT2 Organic Compounds
NT1 Creatinine
NT1 Pemoline
NT1 Schiff Bases
RT Aldehydes
RT Guanidines
RT Ketones

Iminoamides
DA December 1, 1974
USE Amidines

Iminourea
DA December 1, 1974
USE Guanidines

IMIPRAMINE [01]
DA December 1, 1974
BT1 Amines
BT2 Organic Compounds
BT1 Antidepressants
BT2 Psychotropic Drugs
BT3 Central Nervous System Agents
BT4 Drugs
BT1 Heterocyclic Compounds
BT2 Organic Compounds
BT1 Organic Nitrogen Compounds
BT2 Organic Compounds

Immediate Radiation Effects
DA December 1, 1974
USE Early Radiation Effects

Immobilization
DA November 9, 1983
SEE Solidification
OR Vitrification

IMMOBILIZED CELLS
DA September 22, 1980
SF *Cells (Immobilized)*
RT Biotechnology
RT Immobilized Enzymes
RT Microorganisms
DEF Microbial cells which have been entrained on gels.

IMMOBILIZED ENZYMES
DA January 24, 1980
RT Enzymes
RT Immobilized Cells
DEF A stable, reuseable enzyme obtained by immobilizing naturally occurring enzymes onto solid supports by means of various chemical techniques.

IMMUNE REACTIONS [01]
DA December 1, 1974
RT Antigen-Antibody Reactions
RT Immunity
RT Phagocytosis
RT Toxoids
DEF In vivo reaction to foreign antigen.

Immune Sera
DA December 1, 1974
USE Immune Serums

IMMUNE SERUMS [01]
DA December 1, 1974
UF *Antiserum*
UF *Immune Sera*
UF *Serum (Immune)*
RT Antibodies
RT Blood Serum
RT Inoculation

IMMUNE SYSTEM DISEASES [01]
DA June 27, 1988
BT1 Diseases
NT1 AIDS
NT1 Leukemia
NT2 Myeloid Leukemia
NT1 Leukopenia
NT2 Lymphopenia
NT1 Lupus
NT1 Lymphomas
NT2 Hodgkins Disease
NT2 Lymphosarcomas
RT Allergy
RT Asthma
RT Complement
RT Histocompatibility Complex
RT Leukopoiesis
RT Lymph Nodes
RT Lymphocytes
RT Reticuloendothelial System
RT Spleen
RT Thymus

Immune Tolerance
DA December 1, 1974
USE Immunity

IMMUNITY [01]
DA December 1, 1974
UF *Compatibility (Immunological)*
UF *Immune Tolerance*
UF+ *C-Reactive Protein*
RT AIDS
RT AIDS Virus
RT Allergy
RT Antibodies
RT Antibody Formation
RT Antigen-Antibody Reactions
RT Antigens
RT Chimeras
RT Graft-Host Reaction
RT Hemolysis
RT Immune Reactions
RT Immunoglobulins
RT Immunology
RT Immunosuppression
RT Inoculation
RT Interferon
RT Lymphocytes
RT Lymphokines
RT Natural Killer Cells
RT Preventive Medicine
RT Properdin
RT Radioimmunology
RT Receptors
RT Thymectomy
RT Toxoids
RT Transplants
RT Vaccines

IMMUNOASSAY [01]
DA April 8, 1987
BT1 Bioassay

NT1 Enzyme Immunoassay
NT1 Radioimmunoassay

IMMUNOGLOBULINS [01]
DA December 1, 1974
BT1 Globulins
BT2 Proteins
BT3 Organic Compounds
RT Immunity

IMMUNOLOGY [01]
DA December 1, 1974
NT1 Radioimmunology
NT2 Radioimmunoassay
NT2 Radioimmunotherapy
RT Immunity
RT Mitogens

IMMUNOSUPPRESSION [01]
DA December 1, 1974
RT Antimitotic Drugs
RT Cyclosporine
RT Endoxan
RT Glucocorticoids
RT Histocompatibility Complex
RT Immunity
RT Immunosuppressive Drugs
RT Transplants

IMMUNOSUPPRESSIVE DRUGS [01]
DA January 31, 1975
BT1 Drugs
NT1 Cyclosporine
NT1 Endoxan
RT Immunosuppression
RT Immunotherapy

IMMUNOTHERAPY [01]
DA June 14, 1978
BT1 Therapy
NT1 Radioimmunotherapy
RT Corynebacterium Parvum
RT Immunosuppressive Drugs

IMP DEVICE [01]
DA December 1, 1974
BT1 Magnetic Mirrors
BT2 Open Plasma Devices
BT3 Thermonuclear Devices

IMP SATELLITES [01]
DA December 1, 1974
BT1 Satellites

IMPACT FUSION [01]
(Achieved by the acceleration of a DT-bearing projectile and subsequent impact with a stationary target or a similarly accelerated projectile.)
DA October 23, 1979
BT1 Thermonuclear Reactions
BT2 Nuclear Reactions
BT2 Nucleosynthesis
BT3 Synthesis
RT Energy Deposition
RT Inertial Confinement

IMPACT FUSION DRIVERS [01]
DA January 15, 1980
NT1 Magnetic Gradient Accelerators
RT Accelerators
RT Plasma Guns
RT Railgun Accelerators
DEF A class of macroparticle accelerators to be used in inertial confinement fusion.

IMPACT PARAMETER [01]
DA December 1, 1974
RT Nuclear Reactions
RT Scattering

IMPACT SHOCK [01]
DA December 1, 1974
UF *Shock (Impact)*
RT Damage
RT Failures
RT Impact Strength
RT Missile Protection
RT Shock Absorbers
RT Shock Waves
RT Water Hammer

IMPACT STRENGTH [01]
DA December 1, 1974
UF *Strength (Impact)*
BT1 Mechanical Properties
RT Impact Shock
RT Impact Tests

IMPACT TESTS [01]
DA December 1, 1974
BT1 Mechanical Tests
BT2 Materials Testing
BT3 Testing
NT1 Charpy Test
RT Destructive Testing
RT Impact Strength
RT Notches

IMPEDANCE [01]
DA December 1, 1974
NT1 Electric Impedance
NT1 Mechanical Impedance
RT Electric Conductivity

Imperfections
DA December 1, 1974
USE Defects

IMPERIAL VALLEY [01]
DA February 26, 1975
BT1 California
BT2 USA
BT3 Developed Countries
BT3 North America
RT East Mesa Geothermal Field
RT Geothermal Fields
RT Salton Sea

Impermeable Dry Rock
DA January 29, 1975
USE Hot-Dry-Rock Systems

IMPINGEMENT
DA June 30, 1975
RT Aquatic Organisms
RT Entrainment
RT Intake Structures
DEF Physical blockage of larger organisms from joining entrainment through placement of barrier screens.

Implanted Sources
DA May 1, 1978
USE Radiation Source Implants

IMPLANTS [01]
(For emplacement of materials into organisms; not for ION IMPLANTATION, CRYSTAL DOPING, etc.)
DA July 5, 1978
NT1 Radiation Source Implants
RT Injection

IMPLEMENTATION [01]
DA October 13, 1976
RT Administrative Procedures
RT Agreements
RT Legislation
RT Regulations
DEF Provision of instruments or means of accomplishing or carrying out plans, orders, laws, etc.

IMPLOSIONS [01]
DA December 1, 1974
NT1 Laser Implosions
NT2 Direct Drive Laser Implosion
NT2 Indirect Drive Laser Implosion
RT Detonations
RT Explosions
RT LINUS Reactors
RT Shock Waves

Import Taxes
DA June 14, 1978
USE Tariffs

Importance Function (Neutron)
DA December 1, 1974
USE Neutron Importance Function

IMPORTS [01]
DA June 14, 1978
RT Domestic Supplies
RT Exports
RT Foreign Policy
RT Net Trade
RT Oil-Importing Countries
RT Sales
RT Tariffs
RT Trade
DEF Goods or services brought from a foreign country.

IMPREGNATION [01]
DA December 1, 1974
RT Adsorption
DEF The infusion or permeation of one substance into another.

Improvement Ratio
DA January 21, 1983
USE Formation Damage

Impulse
DA December 1, 1974
USE Pulses

IMPULSE APPROXIMATION [01]
DA December 1, 1974
RT Bound State
RT Coupling
RT Scattering

IMPURITIES [01]
(Unwanted constituents, not for TRACE AMOUNTS, INTERFERING ELEMENTS, or metal and nonmetal additions.)
DA December 1, 1974
UF *Purity*
NT1 Plasma Impurities
RT Activation Analysis
RT Contamination
RT Inclusions
RT Interfering Elements
RT Jesse Effect
RT Microanalysis
RT Plasma
RT Purification
RT Segregation
RT Substoichiometry
RT Trace Amounts

IMS
DA October 19, 1977
USE International Magnetospheric Study

→**IMS STELLARATOR [01]**
(Interchangeable Module Stellarator at University of Wisconsin, Madison, Wisconsin, USA.)
DA August 20, 1991
BT1 Stellarators
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

IN 519
DA August 9, 1979
USE Alloy-IN-519

IN-BEAM SPECTROSCOPY [01]
DA October 20, 1977
BT1 Spectroscopy

In-Core Fuel Management
DA December 1, 1974
USE Fuel Management

IN CORE INSTRUMENTS [01]
(See also specific instruments plus FUEL ASSEMBLIES or REACTOR CORES.)
DA December 1, 1974
BT1 Reactor Instrumentation
NT1 Noise Thermometers
RT Acoustic Monitoring

RT Reactor Cores
RT Temperature Monitoring

In-Core Thermionic Reactor
DA March 27, 1975
USE ITR Reactor

IN-COUNTRY DETECTION
DA April 8, 1987
BT1 Seismic Detection
BT2 Detection
RT Nuclear Explosion Detection
RT Nuclear Explosions
RT On-Site Inspection
RT Underground Explosions
DEF That part of the test ban verification process in which seismic data are collected from locations within the country.

IN PILE LOOPS [01]
DA December 1, 1974
UF *Loops (In Pile)*
BT1 Reactor Experimental Facilities
BT2 Reactor Components
RT Experimental Channels
RT Irradiation Capsules

IN-SERVICE INSPECTION [01]
DA April 12, 1977
BT1 Inspection
RT Nondestructive Testing
RT Reactor Maintenance

IN-SITU COMBUSTION
DA May 17, 1976
UF *Fire Flooding*
BT1 Combustion
BT2 Oxidation
BT3 Chemical Reactions
BT2 Thermochemical Processes
BT1 In-Situ Processing
BT2 Processing
RT In-Situ Gasification
RT In-Situ Retorting
RT Reverse Combustion
RT Thermal Recovery
DEF Air is injected into a well, ignition is caused to occur at the input well, and a combustion zone is propagated within the reservoir rock to nearby producing wells.

IN-SITU GASIFICATION
DA February 26, 1975
UF *Underground Gasification*
BT1 Gasification
BT2 Thermochemical Processes
BT1 In-Situ Processing
BT2 Processing
RT Coal Gasification
RT Electrolinking
RT In-Situ Combustion

IN-SITU LIQUEFACTION
DA February 5, 1975
BT1 In-Situ Processing
BT2 Processing
BT1 Liquefaction
BT2 Thermochemical Processes

IN-SITU PROCESSING [01]
DA February 5, 1975
BT1 Processing
NT1 In-Situ Combustion
NT1 In-Situ Gasification
NT1 In-Situ Liquefaction
NT1 In-Situ Retorting
RT Leachates
RT Modified In-Situ Processes
RT Oil Shales

IN-SITU RETORTING
DA February 5, 1975
BT1 In-Situ Processing
BT2 Processing
BT1 Retorting
BT2 Decomposition
BT3 Chemical Reactions
RT In-Situ Combustion
RT Ljungstrom Process
RT Oil Shales
RT RISE

In Utero Irradiation
DA December 1, 1974
USE Prenatal Irradiation

IN-VESSEL HEAT EXCHANGERS [01]
DA December 1, 1974
BT1 Heat Exchangers

IN VITRO [01]
(As opposite to in vivo.)
DA December 1, 1974
RT Cell Cultures
RT Clone Cells
RT Culture Media
RT Hela Cells
RT Homogenates
RT L Cells
RT Tissue Cultures

IN VIVO [01]
(To be used only to differentiate from in vitro studies at the cellular or tissue level.)
DA December 1, 1974
RT Cell Division
RT Cell Proliferation
RT Organs
RT Plant Cells
RT Tissues
RT Tumor Cells

INACTIVATION [01]
DA December 1, 1974
RT Inhibition
RT Preservation
RT Sterilization

Incandescent Lamps
DA July 8, 1986
USE Light Bulbs

Incentives
DA August 7, 1979
SEE Financial Incentives
OR Legal Incentives

INCIDENCE ANGLE [01]
DA January 24, 1980
UF *Angle (Incidence)*
UF *Angle of Incidence*
RT Angular Distribution
RT Inclination
RT Optics
RT Orientation
RT Reflection
RT Refraction
RT Scattering

Incidents
DA December 1, 1974
USE Accidents

Incineration
DA March 11, 1982
USE Combustion

INCINERATORS [01]
DA December 1, 1974
UF *Kiln Incinerators*
NT1 Waterwall Incinerators
RT Burners
RT Combustion
RT Furnaces

INCLINATION [01]
DA December 1, 1974
UF *Angle of Inclination*
UF *Pitch Angle*
RT Geomagnetic Field
RT Incidence Angle
RT Tilt Mechanisms

INCLINED STRATA [01]
DA March 29, 1980
BT1 Geologic Strata
BT2 Geologic Structures
RT Coal Seams
RT Geologic Deposits

Inclusion Complexes
DA December 1, 1974
USE Clathrates

INCLUSIONS [01]
DA December 1, 1974
RT Crystal Defects
RT Impurities
RT Ion Implantation
RT Microstructure
RT Trace Amounts

Inclusive Distribution
DA December 1, 1974
USE Distribution
AND Inclusive Interactions

INCLUSIVE INTERACTIONS [01]
DA December 1, 1974
UF+ *Inclusive Distribution*
BT1 Particle Interactions
BT2 Interactions
NT1 Semi-Inclusive Interactions
RT Exclusive Interactions
RT Limiting Fragmentation
RT Nuclear Fireball Model
DEF The group of all interactions of two particles producing a specific final state.

INCOHERENT PRODUCTION [01]
DA December 1, 1974
BT1 Particle Interactions
BT2 Interactions
BT1 Particle Production
RT Coherent Tube Model

INCOHERENT SCATTERING [01]
DA December 1, 1974
BT1 Scattering
RT Inelastic Scattering

INCOLOY 800
DA December 1, 1974
UF *Alloy 800*
BT1 Alloy-Fe46Ni33Cr21
BT2 Aluminium Additions
BT3 Aluminium Alloys
BT4 Alloys
BT2 Chromium Alloys
BT3 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Incoloy Alloys
BT3 Alloys
BT2 Iron Base Alloys
BT3 Iron Alloys
BT4 Alloys
BT2 Nickel Alloys
BT3 Alloys
BT2 Titanium Additions
BT3 Titanium Alloys
BT4 Alloys

INCOLOY 800H
DA February 23, 1982
UF *Alloy 800H*
BT1 Alloy-Fe44Ni33Cr21
BT2 Aluminium Additions
BT3 Aluminium Alloys
BT4 Alloys
BT2 Chromium Alloys
BT3 Alloys
BT2 Cobalt Alloys
BT3 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Incoloy Alloys
BT3 Alloys
BT2 Iron Base Alloys
BT3 Iron Alloys
BT4 Alloys
BT2 Nickel Alloys
BT3 Alloys
BT2 Titanium Additions

BT3 Titanium Alloys
BT4 Alloys

INCOLOY 802
DA August 9, 1979
BT1 Alloy-Fe46Ni33Cr21
BT2 Aluminium Additions
BT3 Aluminium Alloys
BT4 Alloys
BT2 Chromium Alloys
BT3 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Incoloy Alloys
BT3 Alloys
BT2 Iron Base Alloys
BT3 Iron Alloys
BT4 Alloys
BT2 Nickel Alloys
BT3 Alloys
BT2 Titanium Additions
BT3 Titanium Alloys
BT4 Alloys

INCOLOY 825
DA September 22, 1980
BT1 Alloy-Ni43Fe30Cr22Mo3
BT2 Aluminium Additions
BT3 Aluminium Alloys
BT4 Alloys
BT2 Chromium Alloys
BT3 Alloys
BT2 Copper Alloys
BT3 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Incoloy Alloys
BT3 Alloys
BT2 Iron Alloys
BT3 Alloys
BT2 Molybdenum Alloys
BT3 Alloys
BT2 Nickel Base Alloys
BT3 Nickel Alloys
BT4 Alloys
BT2 Titanium Additions
BT3 Titanium Alloys
BT4 Alloys

INCOLOY 901
DA December 1, 1974
BT1 Alloy-Ni42Fe36Cr12Mo6Ti3
BT2 Aluminium Additions
BT3 Aluminium Alloys
BT4 Alloys
BT2 Boron Additions
BT3 Boron Alloys
BT4 Alloys
BT2 Chromium Alloys
BT3 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Incoloy Alloys
BT3 Alloys
BT2 Iron Alloys
BT3 Alloys
BT2 Molybdenum Alloys
BT3 Alloys
BT2 Nickel Base Alloys
BT3 Nickel Alloys
BT4 Alloys
BT2 Titanium Alloys
BT3 Alloys

INCOLOY ALLOYS [01]
DA December 1, 1974
BT1 Alloys
NT1 Alloy-Fe44Ni33Cr21
NT2 Incoloy 800H
NT1 Alloy-Fe46Ni33Cr21
NT2 Incoloy 800
NT2 Incoloy 802
NT2 Sanicro 30
NT1 Alloy-Ni42Fe36Cr12Mo6Ti3
NT2 Incoloy 901
NT1 Alloy-Ni43Fe30Cr22Mo3
NT2 Incoloy 825

INCOME [01]
DA December 1, 1974
NT1 Disposable Income
NT1 Royalties
RT Economics
RT High Income Groups
RT Income Distribution
RT Inflation
RT Low Income Groups
RT Prices
RT Profits
RT Standard of Living

INCOME DISTRIBUTION
DA February 14, 1978
RT Disposable Income
RT Economics
RT High Income Groups
RT Income

INCOMPLETE FUSION REACTIONS [01]
DA July 10, 1984
BT1 Nuclear Reactions
RT Compound-Nucleus Reactions
RT Deep Inelastic Heavy Ion Reactions
RT Heavy Ion Fusion Reactions
RT Nuclear Fragmentation
RT Precompound-Nucleus Emission

INCOMPRESSIBLE FLOW [01]
DA December 1, 1974
SF *Perfect Flow*
BT1 Fluid Flow
RT Navier-Stokes Equations

INCONEL 82
DA December 1, 1974
BT1 Alloy-Ni73Cr20Mn3Nb3
BT2 Chromium Alloys
BT3 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Inconel Alloys
BT3 Nickel Base Alloys
BT4 Nickel Alloys
BT5 Alloys
BT2 Iron Additions
BT3 Iron Alloys
BT4 Alloys
BT2 Manganese Alloys
BT3 Alloys
BT2 Niobium Alloys
BT3 Alloys
BT2 Titanium Additions
BT3 Titanium Alloys
BT4 Alloys

INCONEL 600
DA December 1, 1974
BT1 Alloy-Ni76Cr15Fe8
BT2 Aluminium Additions
BT3 Aluminium Alloys
BT4 Alloys
BT2 Chromium Alloys
BT3 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Inconel Alloys
BT3 Nickel Base Alloys
BT4 Nickel Alloys
BT5 Alloys
BT2 Iron Alloys
BT3 Alloys
BT2 Nimonic
BT3 Nickel Base Alloys
BT4 Nickel Alloys
BT5 Alloys
BT2 Titanium Additions
BT3 Titanium Alloys
BT4 Alloys

INCONEL 617
DA December 1, 1974
BT1 Alloy-Ni54Cr22Co13Mo9
BT2 Aluminium Additions
BT3 Aluminium Alloys
BT4 Alloys
BT2 Chromium Alloys
BT3 Alloys
BT2 Cobalt Alloys
BT3 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Inconel Alloys
BT3 Nickel Base Alloys
BT4 Nickel Alloys
BT5 Alloys
BT2 Molybdenum Alloys
BT3 Alloys

INCONEL 625
DA December 1, 1974
BT1 Alloy-Ni61Cr22Mo9Nb4Fe3
BT2 Aluminium Additions
BT3 Aluminium Alloys
BT4 Alloys
BT2 Chromium Alloys
BT3 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Inconel Alloys
BT3 Nickel Base Alloys
BT4 Nickel Alloys
BT5 Alloys
BT2 Iron Alloys
BT3 Alloys
BT2 Molybdenum Alloys
BT3 Alloys
BT2 Niobium Alloys
BT3 Alloys
BT2 Titanium Additions
BT3 Titanium Alloys
BT4 Alloys

INCONEL 643
DA May 25, 1979
BT1 Alloy-Ni47Cr25Co12W9Fe3
BT2 Chromium Alloys
BT3 Alloys
BT2 Cobalt Alloys
BT3 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Inconel Alloys
BT3 Nickel Base Alloys
BT4 Nickel Alloys
BT5 Alloys
BT2 Iron Alloys
BT3 Alloys
BT2 Molybdenum Additions
BT3 Molybdenum Alloys
BT4 Alloys
BT2 Niobium Alloys
BT3 Alloys
BT2 Titanium Additions
BT3 Titanium Alloys
BT4 Alloys
BT2 Tungsten Alloys
BT3 Alloys
BT2 Zirconium Additions
BT3 Zirconium Alloys
BT4 Alloys

INCONEL 671
DA March 4, 1977
BT1 Alloy-Ni51Cr48
BT2 Chromium Alloys

BT3 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Inconel Alloys
BT3 Nickel Base Alloys
BT4 Nickel Alloys
BT5 Alloys
BT2 Titanium Additions
BT3 Titanium Alloys
BT4 Alloys

INCONEL 690
DA September 22, 1980
BT1 Alloy-Ni59Cr30Fe9
BT2 Chromium Alloys
BT3 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Inconel Alloys
BT3 Nickel Base Alloys
BT4 Nickel Alloys
BT5 Alloys
BT2 Iron Alloys
BT3 Alloys
BT2 Titanium Additions
BT3 Titanium Alloys
BT4 Alloys

INCONEL 700
DA May 25, 1979
BT1 Alloy-Ni48Co28Cr15Al3Mo3Ti2
BT2 Aluminium Alloys
BT3 Alloys
BT2 Chromium Alloys
BT3 Alloys
BT2 Cobalt Alloys
BT3 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Inconel Alloys
BT3 Nickel Base Alloys
BT4 Nickel Alloys
BT5 Alloys
BT2 Iron Additions
BT3 Iron Alloys
BT4 Alloys
BT2 Molybdenum Alloys
BT3 Alloys
BT2 Titanium Alloys
BT3 Alloys

INCONEL 702
DA December 1, 1974
BT1 Alloy-Ni78Cr16Al4
BT2 Aluminium Alloys
BT3 Alloys
BT2 Chromium Alloys
BT3 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Inconel Alloys
BT3 Nickel Base Alloys
BT4 Nickel Alloys
BT5 Alloys
BT2 Iron Additions
BT3 Iron Alloys
BT4 Alloys
BT2 Titanium Additions
BT3 Titanium Alloys
BT4 Alloys

INCONEL 706
DA March 27, 1975
BT1 Alloy-Ni41Fe40Cr16Nb3
BT2 Chromium Alloys
BT3 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Inconel Alloys
BT3 Nickel Base Alloys
BT4 Nickel Alloys
BT5 Alloys
BT2 Iron Alloys
BT3 Alloys
BT2 Niobium Alloys
BT3 Alloys
BT2 Titanium Alloys
BT3 Alloys

INCONEL 713C
DA February 6, 1975
BT1 Alloy-Ni74Cr13Al6Mo4
BT2 Aluminium Alloys
BT3 Alloys
BT2 Boron Additions
BT3 Boron Alloys
BT4 Alloys
BT2 Chromium Alloys
BT3 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Inconel Alloys
BT3 Nickel Base Alloys
BT4 Nickel Alloys
BT5 Alloys
BT2 Molybdenum Alloys
BT3 Alloys
BT2 Niobium Alloys
BT3 Alloys
BT2 Titanium Additions
BT3 Titanium Alloys
BT4 Alloys
BT2 Zirconium Additions
BT3 Zirconium Alloys
BT4 Alloys

INCONEL 713LC
DA December 20, 1978
UF *Alloy-713-LC*
BT1 Alloy-Ni75Cr12Al6Mo5
BT2 Aluminium Alloys
BT3 Alloys
BT2 Boron Additions
BT3 Boron Alloys
BT4 Alloys
BT2 Chromium Alloys
BT3 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Inconel Alloys
BT3 Nickel Base Alloys
BT4 Nickel Alloys
BT5 Alloys
BT2 Molybdenum Alloys
BT3 Alloys
BT2 Niobium Alloys
BT3 Alloys
BT2 Titanium Additions
BT3 Titanium Alloys
BT4 Alloys
BT2 Zirconium Additions
BT3 Zirconium Alloys
BT4 Alloys

INCONEL 718
DA December 1, 1974
BT1 Alloy-Ni53Cr19Fe19Nb5Mo3
BT2 Aluminium Additions
BT3 Aluminium Alloys
BT4 Alloys
BT2 Chromium Alloys
BT3 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Inconel Alloys
BT3 Nickel Base Alloys
BT4 Nickel Alloys
BT5 Alloys
BT2 Iron Alloys
BT3 Alloys
BT2 Molybdenum Alloys
BT3 Alloys
BT2 Niobium Alloys
BT3 Alloys
BT2 Titanium Additions
BT3 Titanium Alloys
BT4 Alloys

INCONEL 738
DA December 20, 1978
BT1 Inconel Alloys
BT2 Nickel Base Alloys
BT3 Nickel Alloys
BT4 Alloys

INCONEL 739
DA September 6, 1979
BT1 Inconel Alloys
BT2 Nickel Base Alloys
BT3 Nickel Alloys
BT4 Alloys

INCONEL ALLOYS [01]
DA December 1, 1974
BT1 Nickel Base Alloys
BT2 Nickel Alloys
BT3 Alloys
NT1 Alloy-Ni41Fe40Cr16Nb3
NT2 Inconel 706
NT1 Alloy-Ni46Cr23Co19Ti5Al4
NT2 Alloy-IN-939
NT1 Alloy-Ni47Cr25Co12W9Fe3
NT2 Alloy-IN-643
NT2 Inconel 643
NT1 Alloy-Ni48Co28Cr15Al3Mo3Ti2
NT2 Inconel 700
NT1 Alloy-Ni51Cr48
NT2 Inconel 671
NT1 Alloy-Ni53Cr19Fe19Nb5Mo3
NT2 Inconel 718
NT1 Alloy-Ni54Cr22Co13Mo9
NT2 Inconel 617
NT1 Alloy-Ni59Cr30Fe9
NT2 Inconel 690
NT1 Alloy-Ni60Co15Cr10Al6Ti5Mo3
NT2 Alloy-IN-100
NT1 Alloy-Ni61Cr16Co9Al3Ti3W3
NT2 Alloy-IN-738
NT1 Alloy-Ni61Cr22Mo9Nb4Fe3
NT2 Inconel 625
NT1 Alloy-Ni61Cr23Fe14
NT1 Alloy-Ni73Cr15Fe7Ti3
NT2 Inconel X750
NT1 Alloy-Ni73Cr20Mn3Nb3
NT2 Inconel 82
NT1 Alloy-Ni74Cr13Al6Mo4
NT2 Inconel 713C
NT1 Alloy-Ni75Cr12Al6Mo5
NT2 Inconel 713LC
NT1 Alloy-Ni76Cr15Fe8
NT2 Inconel 600
NT1 Alloy-Ni78Cr16Al4
NT2 Inconel 702
NT1 Inconel 738
NT1 Inconel 739
RT Alloy-Ni70Mo17Cr7Fe5
RT Inor-8
RT Nimonic

Inconel MA 753
DA April 4, 1975
USE Alloy-IN-853

INCONEL X750
DA December 1, 1974
BT1 Alloy-Ni73Cr15Fe7Ti3
BT2 Aluminium Additions
BT3 Aluminium Alloys
BT4 Alloys
BT2 Chromium Alloys
BT3 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials

BT2 Inconel Alloys
BT3 Nickel Base Alloys
BT4 Nickel Alloys
BT5 Alloys
BT2 Iron Alloys
BT3 Alloys
BT2 Niobium Additions
BT3 Niobium Alloys
BT4 Alloys
BT2 Titanium Alloys
BT3 Alloys

Incorporation (Biological)
DA March 7, 1983
USE Uptake

Increasing
DA July 18, 1979
USE Augmentation

INCREMENTAL-COST PRICING
DA December 11, 1978
BT1 Prices
RT Marginal-Cost Pricing
DEF Charges based on cost of attaching new supplies to replace the dwindling flow from conventional sources.

INCUBATION [01]
DA December 1, 1974
RT Heating
RT Latency Period
RT Quarantine
RT Time Dependence

INDAN
DA October 13, 1976
BT1 Aromatics
BT2 Organic Compounds
BT1 Hydrocarbons
BT2 Organic Compounds

INDAZOLES [01]
DA December 1, 1974
BT1 Pyrazoles
BT2 Azoles
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds

INDENE [01]
DA December 1, 1974
BT1 Condensed Aromatics
BT2 Aromatics
BT3 Organic Compounds
BT1 Hydrocarbons
BT2 Organic Compounds

Independent-Particle Model
DA December 1, 1974
USE Single-Particle Model

INDEXES [01]
(Should be used to index all pieces of literature which are indexes.)
DA December 1, 1974
BT1 Document Types
RT Information Retrieval

INDIA [01]
DA December 1, 1974
BT1 Asia
BT1 Developing Countries
RT Ganga River

INDIA INK [01]
DA December 1, 1974
BT1 Inks
BT1 Pigments

INDIAN OCEAN [01]
DA December 1, 1974
BT1 Seas
BT2 Surface Waters
NT1 Arabian Sea
NT2 Persian Gulf
NT3 Strait of Hormuz
RT Mauritius
RT Southern Oscillation

INDIAN ORGANIZATIONS [01]
(Not to be used for American Indian Organizations.)
DA May 5, 1975
BT1 National Organizations
NT1 BARC
NT1 IGCAR

INDIAN POINT-1 REACTOR [01]
(Buchanan, New York, USA)
DA December 1, 1974
UF *Consolidated Edison Thorium Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

INDIAN POINT-2 REACTOR [01]
(Buchanan, New York, USA)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

INDIAN POINT-3 REACTOR [01]
(Buchanan, New York, USA)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

INDIAN RESERVATIONS
DA January 30, 1979
RT American Indians

INDIANA [01]
DA December 1, 1974
BT1 USA
BT2 Developed Countries
BT2 North America
RT Illinois Basin
RT Ohio River

Indiana University Cyclotron
DA May 25, 1979
USE IU Cyclotron

Indians (American)
DA November 14, 1978
USE American Indians

Indicator Species
DA March 22, 1976
USE Biological Indicators

INDICATORS [01]
DA December 1, 1974
SF *Chemicals*
NT1 Bromosulfophthalein
NT1 Congo Red
NT1 Eosin
NT1 Erioglaucine
NT1 Indocyanine Green
NT1 Methyl Orange
NT1 Methyl Red
NT1 Methylthymol Blue
NT1 Neutral Red
NT1 Phenolphthalein
NT1 Pyrocatechol Violet
NT1 Rose Bengal
NT1 Xylenol Orange

INDIGO
($C_{16}H_{10}O_2N_2$.)
DA January 21, 1983
UF *Indigo Red*
BT1 Dyes
BT1 Indoles
BT2 Azaarenes
BT3 Aromatics
BT4 Organic Compounds
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
BT2 Pyrroles
BT3 Azoles
BT4 Heterocyclic Compounds
BT5 Organic Compounds
BT4 Organic Nitrogen Compounds
BT5 Organic Compounds

Indigo Red
DA January 21, 1983
USE Indigo

→**INDIRECT DRIVE LASER IMPLOSION [01]**
DA June 11, 1992
BT1 Laser Implosions
BT2 Implosions
RT Direct Drive Laser Implosion
RT Laser Fusion Reactors
RT Laser-Produced Plasma
RT Laser-Radiation Heating
RT Laser Targets
RT Pulsed Fusion Reactors
DEF Laser implosion where the driver energy is converted into x-rays before being absorbed by the target capsule.

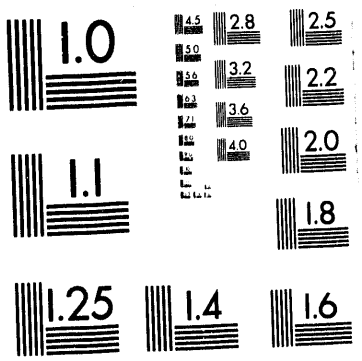
INDIUM [01]
DA December 1, 1974
BT1 Metals
BT2 Elements

INDIUM 100 [01]
DA June 7, 1982
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Indium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei

INDIUM 101 [01]
DA July 15, 1988
BT1 Indium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

INDIUM 102 [01]
DA March 13, 1981
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Indium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

INDIUM 103 [01]
DA December 20, 1978
BT1 Beta-Plus Decay Radioisotopes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1.8
1.1
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1.4
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BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Indium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

INDIUM 104 [01]
DA May 6, 1975
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Indium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

INDIUM 105 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Indium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

INDIUM 106 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Indium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

INDIUM 107 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Indium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

INDIUM 108 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Indium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

INDIUM 109 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Indium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

INDIUM 110 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Indium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

INDIUM 110 TARGET [01]
DA July 9, 1976
BT1 Targets

INDIUM 111 [01]
DA December 1, 1974
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Indium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

INDIUM 112 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Indium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

INDIUM 113 [01]
DA December 1, 1974
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Indium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

INDIUM 113 TARGET [01]
DA July 9, 1976
BT1 Targets

INDIUM 114 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Indium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

INDIUM 115 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Indium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

INDIUM 115 TARGET [01]
DA July 9, 1976
BT1 Targets

INDIUM 116 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Indium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

INDIUM 117 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Indium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

INDIUM 118 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Indium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

INDIUM 119 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Indium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

INDIUM 120 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Indium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

INDIUM 121 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Indium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

INDIUM 122 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Indium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

INDIUM 123 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Indium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

INDIUM 124 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Indium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

INDIUM 125 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Indium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

INDIUM 126 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Indium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

INDIUM 127 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Indium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

INDIUM 127 TARGET [01]
DA October 23, 1979
BT1 Targets

INDIUM 128 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Indium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

INDIUM 129 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Indium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

INDIUM 130 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Indium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

INDIUM 131 [01]
DA April 19, 1976
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Indium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

INDIUM 132 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Indium Isotopes
BT2 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

INDIUM ADDITIONS [01]
DA December 1, 1974
BT1 Indium Alloys
BT2 Alloys

INDIUM ALLOYS [01]
DA December 1, 1974
BT1 Alloys
NT1 Indium Additions
NT1 Indium Base Alloys

INDIUM ANTIMONIDES [01]
DA June 21, 1989
BT1 Antimonides
BT2 Antimony Compounds
BT2 Pnictides
BT1 Indium Compounds

INDIUM ARSENIDES [01]
DA January 20, 1975
BT1 Arsenides
BT2 Arsenic Compounds
BT2 Pnictides
BT1 Indium Compounds

INDIUM BASE ALLOYS [01]
DA December 1, 1974
BT1 Indium Alloys
BT2 Alloys

INDIUM BORIDES [01]
DA December 1, 1974
BT1 Borides
BT2 Boron Compounds
BT1 Indium Compounds

INDIUM BROMIDES [01]
DA December 1, 1974
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Indium Compounds

INDIUM CARBIDES [01]
DA December 1, 1974
BT1 Carbides
BT2 Carbon Compounds
BT1 Indium Compounds

INDIUM CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Indium Compounds

INDIUM COMPLEXES [01]
DA December 1, 1974
BT1 Complexes

INDIUM COMPOUNDS [01]
DA December 1, 1974
NT1 Indium Antimonides
NT1 Indium Arsenides
NT1 Indium Borides
NT1 Indium Bromides
NT1 Indium Carbides
NT1 Indium Chlorides
NT1 Indium Fluorides
NT1 Indium Hydrides
NT1 Indium Hydroxides
NT1 Indium Iodides
NT1 Indium Nitrates
NT1 Indium Nitrides
NT1 Indium Oxides
NT1 Indium Perchlorates
NT1 Indium Phosphates
NT1 Indium Phosphides
NT1 Indium Selenides
NT1 Indium Silicates
NT1 Indium Sulfates
NT1 Indium Sulfides
NT1 Indium Tellurides
NT1 Indium Tungstates

INDIUM FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Indium Compounds

INDIUM HYDRIDES [01]
DA December 1, 1974
BT1 Hydrides
BT2 Hydrogen Compounds
BT1 Indium Compounds

INDIUM HYDROXIDES [01]
DA December 1, 1974
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds
BT1 Indium Compounds

INDIUM IODIDES [01]
DA December 1, 1974
BT1 Indium Compounds
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds

INDIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

INDIUM ISOTOPES [01]
DA December 1, 1974
BT1 Isotopes
NT1 Indium 100
NT1 Indium 101
NT1 Indium 102
NT1 Indium 103
NT1 Indium 104
NT1 Indium 105
NT1 Indium 106
NT1 Indium 107
NT1 Indium 108
NT1 Indium 109
NT1 Indium 110
NT1 Indium 111
NT1 Indium 112
NT1 Indium 113
NT1 Indium 114
NT1 Indium 115
NT1 Indium 116
NT1 Indium 117
NT1 Indium 118
NT1 Indium 119
NT1 Indium 120
NT1 Indium 121
NT1 Indium 122
NT1 Indium 123
NT1 Indium 124
NT1 Indium 125
NT1 Indium 126
NT1 Indium 127
NT1 Indium 128
NT1 Indium 129
NT1 Indium 130
NT1 Indium 131
NT1 Indium 132

INDIUM NITRATES [01]
DA December 1, 1974
BT1 Indium Compounds

BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds

INDIUM NITRIDES [01]
DA December 1, 1974
BT1 Indium Compounds
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides

INDIUM OXIDES [01]
DA December 1, 1974
BT1 Indium Compounds
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds

INDIUM PERCHLORATES [01]
DA November 28, 1977
BT1 Indium Compounds
BT1 Perchlorates
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Oxygen Compounds

INDIUM PHOSPHATES [01]
DA October 19, 1978
BT1 Indium Compounds
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds

INDIUM PHOSPHIDE SOLAR CELLS [01]
DA December 11, 1978
BT1 Solar Cells
BT2 Photovoltaic Cells
BT3 Photoelectric Cells
BT4 Direct Energy Converters
BT2 Solar Equipment
BT3 Equipment

INDIUM PHOSPHIDES [01]
DA January 20, 1975
BT1 Indium Compounds
BT1 Phosphides
BT2 Phosphorus Compounds
BT2 Pnictides

INDIUM SELENIDE SOLAR CELLS
DA July 18, 1981
BT1 Solar Cells
BT2 Photovoltaic Cells
BT3 Photoelectric Cells
BT4 Direct Energy Converters
BT2 Solar Equipment
BT3 Equipment

INDIUM SELENIDES [01]
DA February 20, 1975
BT1 Indium Compounds
BT1 Selenides
BT2 Chalcogenides
BT2 Selenium Compounds

INDIUM SILICATES [01]
DA September 11, 1975
BT1 Indium Compounds
BT1 Silicates
BT2 Oxygen Compounds
BT2 Silicon Compounds

INDIUM SULFATES [01]
DA December 1, 1974
BT1 Indium Compounds
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds

INDIUM SULFIDES [01]
DA December 1, 1974
BT1 Indium Compounds
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds

INDIUM TELLURIDES [01]
DA June 12, 1975
BT1 Indium Compounds
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds

INDIUM TUNGSTATES [01]
DA November 17, 1976
BT1 Indium Compounds
BT1 Tungstates

INDOCYANINE GREEN [01]
DA December 16, 1975
BT1 Condensed Aromatics
BT2 Aromatics
BT3 Organic Compounds
BT1 Dyes
BT1 Indicators
BT1 Indoles
BT2 Azaarenes
BT3 Aromatics
BT4 Organic Compounds
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
BT2 Pyrroles
BT3 Azoles
BT4 Heterocyclic Compounds
BT5 Organic Compounds
BT4 Organic Nitrogen Compounds
BT5 Organic Compounds
BT1 Sulfonates
BT2 Organic Sulfur Compounds
BT3 Organic Compounds

INDOLES [01]
DA December 1, 1974
UF *Benzopyrroles*
BT1 Azaarenes
BT2 Aromatics
BT3 Organic Compounds
BT2 Heterocyclic Compounds
BT3 Organic Compounds
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
BT1 Pyrroles
BT2 Azoles
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
NT1 Indigo
NT1 Indocyanine Green
NT1 Lysergic Acid
NT1 Reserpine
NT1 Strychnine
NT1 Tryptamines
NT2 Melatonin
NT2 Serotonin
NT3 Bufotenine
NT1 Tryptophan
NT1 Vinblastine
RT Ergotamine

INDONESIA [01]
DA December 1, 1974
BT1 Asia
BT1 Developing Countries
BT1 Islands
RT Dieng Geothermal Field
RT Kamojang Geothermal Field
RT OPEC
RT Pacific Ocean

Indonesian TRIGA-Mk-2 Reactor
DA January 28, 1975
USE TRIGA-2-Bandung Reactor

INDOOR AIR POLLUTION
DA September 13, 1978
BT1 Air Pollution
BT2 Pollution

INDUCED POLARIZATION LOGGING
DA March 29, 1979
BT1 Electric Logging
BT2 Well Logging
RT Electrical Surveys
DEF Exploration method involving measurement of the slow decay of voltage in the ground following the cessation of an excitation current pulse or low frequency variations of earth impedance.

Induced Radioactivity
DA December 1, 1974
USE Radioactivity

→**INDUCTANCE [01]**
DA March 20, 1992
BT1 Electrical Properties
BT2 Physical Properties
RT Capacitance
RT Electric Conductivity

INDUCTION [01]
DA December 1, 1974
NT1 Faraday Induction
RT LLNL Advanced Test Accelerator

INDUCTION FURNACES [01]
DA December 1, 1974
BT1 Electric Furnaces
BT2 Furnaces

INDUCTION GENERATORS [01]
DA December 14, 1981
BT1 Electric Generators

INDUCTION LOGGING
DA June 7, 1976
UF *Magnetic Induction Logging*
BT1 Electric Logging
BT2 Well Logging
RT Magnetic Surveys
RT Resistivity Logging

INDUCTION WELDING [01]
DA December 1, 1974
BT1 Welding
BT2 Joining
BT3 Fabrication

Inductors
DA December 1, 1974
USE Solenoids

→**INDUS-I [01]**
(450 MeV synchrotron radiation source at the Center for Advanced Technology, Indore, India.)
DA August 30, 1993
BT1 Synchrotron Radiation Sources
BT2 Radiation Sources

→**INDUS-II [01]**
(2 GeV synchrotron radiation source at the Center for Advanced Technology, Indore, India.)
DA August 30, 1993
BT1 Synchrotron Radiation Sources
BT2 Radiation Sources

INDUSTRIAL ACCIDENTS [01]
DA December 1, 1974
BT1 Accidents

Industrial Laundries
DA February 27, 1979
USE Laundries

INDUSTRIAL MEDICINE [01]
DA December 1, 1974
BT1 Medicine
RT Accidents
RT Occupational Diseases
RT Occupational Safety
RT Personnel
RT Radiation Protection
RT Working Conditions

INDUSTRIAL PARKS
DA September 26, 1979
UF *Parks (Industrial)*
UF+ *EIIP*
UF+ *Energy Integrated Industrial Parks*
RT Energy Parks
RT Industry
RT Urban Areas
DEF Area a distance from the center of a city that is designed especially for a community of industries and businesses.

INDUSTRIAL PLANTS [01]
DA December 1, 1974
UF *Manufacturing Facilities*
UF *Plants (Industrial)*
NT1 Biomass Conversion Plants
NT1 Chemical Plants
NT2 Gasoline Plants
NT2 Petrochemical Plants
NT1 Cimarron Plutonium Production Plant
NT1 Coal Gasification Plants
NT1 Coal Liquefaction Plants
NT1 Coal Preparation Plants
NT1 Coking Plants
NT1 Desalination Plants
NT1 Ethanol Plants
* **NT1** Feed Materials Plants
NT1 Foundries
NT1 Isotope Separation Plants
NT2 Centrifuge Enrichment Plants
NT3 Portsmouth Centrifuge Enrichment Plant
NT2 Gaseous Diffusion Plants
NT3 Cogema Pierrelatte
NT3 ORGDP
NT3 Paducah Plant
NT3 Portsmouth Gaseous Diffusion Plant
NT2 Heavy Water Plants
NT2 Tritium Extraction Plants
NT1 LNG Plants
NT1 Methanol Plants
NT1 Natural Gas Processing Plants
NT1 Oil Sand Processing Plants
NT1 Oil Shale Processing Plants
NT2 Anvil Points Research Facility
NT2 Glen Davis Facility
NT1 Oxygen Plants
NT1 Petroleum Refineries
NT1 Sequoyah UF6 Production Plant
NT1 SNG Plants
NT1 Synthetic Fuels Refineries
NT1 Waste Processing Plants
NT2 CPU-400 Combustion Plant
NT2 Resource Recovery Facilities
NT2 Waste Oil Refineries
RT Demonstration Plants
RT Fuel Fabrication Plants
RT Industry
RT Modular Structures
RT Pilot Plants

INDUSTRIAL RADIOGRAPHY [01]
(See also BIOMEDICAL RADIOGRAPHY.)
DA December 1, 1974
UF *Radiography (Industrial)*
NT1 Beta Radiography
NT1 Gamma Radiography
NT2 Gamma Fuel Scanning
NT1 Neutron Radiography
NT1 Proton Radiography
NT1 X-Ray Radiography
RT Autoradiography
RT Inspection
RT Microradiography
RT Nondestructive Testing
RT Radiation Attenuation Testing
RT Radiological Personnel

Industrial Relations
DA June 6, 1979
USE Labor Relations

Industrial Sector
DA March 29, 1979
USE Industry

INDUSTRIAL WASTES [01]
DA October 1, 1975
BT1 Wastes
NT1 Spent Liquors
NT1 Whey
RT Chemical Effluents
RT Chemical Wastes
RT Gaseous Wastes
RT Liquid Wastes
RT Organic Wastes
RT Pollutants
RT Refuse Derived Fuels
RT Scrap
RT Scrap Metals
RT Solid Wastes

Industrialized Countries
DA March 3, 1978
USE Developed Countries

INDUSTRY [01]
DA December 1, 1974
UF *Industrial Sector*
SF *End Use Sector*
NT1 Aerospace Industry
NT1 Automotive Industry
NT1 Beverage Industry
NT1 Cement Industry
NT1 Ceramics Industry
NT1 Chemical Industry
NT1 Coal Industry
NT1 Construction Industry
NT1 Electric Power Industry
NT1 Fertilizer Industry
NT1 Fishing Industry
NT1 Food Industry
NT2 Dairy Industry
NT2 Meat Industry
NT1 Furniture Industry
NT1 Geothermal Industry
NT1 Glass Industry
NT1 Metal Industry
NT1 Mineral Industry
NT1 Natural Gas Industry
NT2 LNG Industry
NT1 Nuclear Industry
NT1 Oil Sand Industry
NT1 Oil Shale Industry
NT1 Petroleum Industry
NT2 LPG Industry
NT1 Plastics Industry
NT1 Printing and Publishing Industry
NT1 Rubber Industry
NT1 Solar Industry
NT1 Sugar Industry
NT1 Synthetic Fuels Industry
NT1 Textile Industry
NT1 Wind Power Industry
NT1 Wood Products Industry
NT2 Paper Industry
RT Afterburners
RT Business
RT By-Products
RT Clerical Personnel
RT Commercialization
RT Developing Countries
RT Economic Development
RT GIDEP
RT Horizontal Integration
RT Hydrogen-Based Economy
RT IFIEC
RT Industrial Parks
RT Industrial Plants
RT Joint Ventures
RT Labor Relations
RT Machinery
RT Manufacturers
RT Manufacturing
RT Marketers
RT Mining
RT Resellers
RT Retailers
RT Sectoral Analysis
RT Small Businesses
RT Technology Assessment
RT Technology Impacts
RT Technology Transfer
RT Technology Utilization
RT Tourism
RT Vertical Integration

INELASTIC SCATTERING [01]
DA December 1, 1974
BT1 Scattering
NT1 Deep Inelastic Scattering
NT1 Delbrueck Scattering
NT1 Resonance Scattering
NT1 Thomson Scattering
RT Anharmonic Crystals
RT Hauser-Feshbach Theory
RT Incoherent Scattering
RT Levinson-Banerjee Theory
RT Skyrme Potential
RT Spin Flip

INERT ATMOSPHERE [01]
DA December 1, 1974
NT1 Cover Gas
RT Carbon Dioxide
RT Nitrogen
RT Rare Gases

Inertia
DA December 1, 1974
USE Moment of Inertia

INERTIAL CONFINEMENT [01]
(A dynamic plasma confinement by inertial forces.)
DA April 28, 1978
BT1 Plasma Confinement
BT2 Confinement
RT AURORA Facility
RT Electron Beam Fusion Accelerator
RT Electron Beam Fusion Reactors
RT Electron Beam Targets
RT Energy Deposition
RT ICF Devices
RT Impact Fusion
RT Ion Beam Fusion Reactors
RT Ion Beam Targets
RT Laser Fusion Reactors
RT Laser Implosions
RT Laser Targets
RT Particle Beam Fusion Accelerator

Inertial Confinement Fusion Devices
DA October 24, 1984
USE ICF Devices

INERTIAL GUIDANCE
DA November 11, 1975
RT Electronic Guidance
RT Navigational Instruments

INERTIAL SEPARATORS [01]
DA March 22, 1976
UF *Ash Separators*
UF *Centrifugal Separators*
BT1 Pollution Control Equipment
BT2 Equipment
BT1 Separation Equipment
NT1 Cyclone Separators
DEF Separators that operate by imparting a centrifugal force to the particle to be removed from the carrier gas stream.

INERTINITE [01]
DA July 24, 1987
BT1 Macerals

INFANTS [01]
DA December 1, 1974
SF *Newborns*
BT1 Children
BT2 Age Groups
RT Neonates

INFECTIOUS DISEASES [01]
DA December 1, 1974
BT1 Diseases
NT1 Bacterial Diseases
NT2 Cholera
NT2 Diphtheria
NT2 Gonorrhea
NT2 Leprosy
NT2 Paratyphoid
NT2 Syphilis
NT2 Tetanus
NT2 Tuberculosis
NT2 Typhoid
NT1 Fungal Diseases
NT2 Mycoses
NT2 Tinea
NT1 Parasitic Diseases
NT2 Fascioliasis
NT2 Filariasis
NT2 Hydatidosis
NT2 Malaria
NT2 Schistosomiasis
NT2 Trichinosis
NT2 Trypanosomiasis
NT1 Rickettsial Diseases
NT2 Typhus
NT1 Viral Diseases
NT2 AIDS
NT2 Encephalitis
NT2 Herpes Simplex
NT2 Herpes Zoster

NT2 Infectious Hepatitis
NT2 Influenza
NT2 Measles
NT2 Newcastle Disease
NT2 Poliomyelitis
NT2 Rabies
RT Anti-Infective Agents
RT Antibiotics
RT Epidemiology
RT Etiology
RT Inflammation
RT Legionella Anisa
RT Legionella Pneumophila
RT Microorganisms
RT Pathogens
RT Virulence

INFECTIOUS HEPATITIS
DA January 12, 1981
UF *Hepatitis (Infectious)*
BT1 Hepatitis
BT2 Digestive System Diseases
BT3 Diseases
BT1 Viral Diseases
BT2 Infectious Diseases
BT3 Diseases

INFECTIVITY [01]
DA December 1, 1974
RT Bacteria
RT Disinfectants
RT Endotoxins

INFLAMMATION [01]
DA December 1, 1974
BT1 Pathological Changes
BT1 Symptoms
RT Antipyretics
RT Granulomas
RT Infectious Diseases
RT Pneumonitis
RT Trichinosis

INFLATABLE COLLECTORS [01]
DA February 27, 1979
BT1 Solar Collectors
BT2 Solar Equipment
BT3 Equipment
RT Solar Ponds

INFLATABLE SEALS [01]
DA December 1, 1974
BT1 Seals

INFLATION [01]
DA July 6, 1978
RT Cost
RT Economic Development
RT Income

INFLATIONARY UNIVERSE [01]
DA August 14, 1987
BT1 Cosmological Models
BT2 Mathematical Models
RT Space-Time
RT Unified Gauge Models
DEF Cosmological models which usually involve a very weakly-coupled scalar field which is displaced from the minimum of its potential. Regions of the universe where the scalar field is initially displaced from its minimum undergo inflation as the scalar field relaxes.

INFLUENZA [01]
DA December 1, 1974
BT1 Viral Diseases
BT2 Infectious Diseases
BT3 Diseases
RT Influenza Viruses

INFLUENZA VIRUSES [01]
DA December 1, 1974
BT1 Viruses
BT2 Microorganisms
BT2 Parasites
RT Influenza

INFORMATION [01]
DA December 1, 1974
SF *Technical Writing*
NT1 Classified Information
NT1 Data
NT2 Data Compilation
NT2 Financial Data
NT2 Numerical Data
NT3 Compiled Data
NT3 Evaluated Data
NT3 Experimental Data
NT3 Statistical Data
NT3 Theoretical Data
NT1 Proprietary Information
NT1 Public Information
RT Congressional Inquiries
RT Data Base Management
RT Information Theory
RT Information Validation
RT Libraries
RT Manuals
RT Privacy Act
RT Records Management
RT Surveys
RT Technology Transfer

INFORMATION CENTERS
DA April 19, 1976
RT Data Compilation
RT Information Systems
RT Technical Information Center

Information Declassification
DA March 24, 1983
USE Declassification

INFORMATION DISSEMINATION [01]
DA May 6, 1980
RT Information Needs
RT Information Systems
RT Proprietary Information
RT Public Information
RT Technology Transfer

INFORMATION NEEDS [01]
(Identification of subject areas or types of data on which information is needed in order to further specific areas of research. Coordinate with descriptors for the specific areas of research.)
DA August 24, 1976
RT Data
RT Information Dissemination
RT Research Programs
RT US NAPAP

INFORMATION RETRIEVAL [01]
DA December 1, 1974
UF *Document Retrieval*
UF *Records Retrieval*
RT Data Base Management
RT Data Tagging
RT Documentation
RT Indexes
RT Information Systems
RT Standardized Terminology
RT Unisist

INFORMATION SYSTEMS [01]
DA December 1, 1974
NT1 AGRIS
NT1 CINDA
NT1 ETDE
NT1 INIS
NT1 SEEDIS
NT1 SEIDB
NT1 WENDS
RT Computer Networks
RT Data Base Management
RT Data Tagging
RT Distributed Data Processing
RT Documentation
RT Information Centers
RT Information Dissemination
RT Information Retrieval
RT Information Theory
RT Information Validation
RT Nuclear Data Collections
RT Standardized Terminology
RT Unisist

INFORMATION THEORY [01]
DA December 1, 1974
RT Communications
RT Cryptography
RT Cybernetics
RT Data Processing
RT Game Theory
RT Information
RT Information Systems
RT Set Theory

INFORMATION VALIDATION
DA December 17, 1979
UF *Data Validation*
BT1 Validation
BT2 Testing
RT Data Analysis
RT Information
RT Information Systems

INFRARED DIVERGENCES [01]
DA December 1, 1974
UF *Divergences (Infrared)*
RT Quantum Electrodynamics

INFRARED RADIATION [01]
DA December 1, 1974
BT1 Electromagnetic Radiation
BT2 Radiations
NT1 Far Infrared Radiation
NT1 Intermediate Infrared Radiation
NT1 Near Infrared Radiation
RT Infrared Spectra
RT Infrared Thermography
RT Thermal Radiation
RT Thermography
RT Wavelengths

INFRARED SPECTRA [01]
DA December 1, 1974
BT1 Spectra
RT Absorption Spectroscopy
RT Infrared Radiation
RT Structural Chemical Analysis
RT Vibrational States

INFRARED SPECTROMETERS [01]
DA January 24, 1975
BT1 Spectrometers
BT2 Measuring Instruments
NT1 Photoacoustic Spectrometers

INFRARED SURVEYS
DA January 23, 1975
BT1 Geophysical Surveys
BT2 Surveys
RT Geothermal Exploration

INFRARED THERMOGRAPHY [01]
DA September 19, 1977
UF *Thermal Photography*
BT1 Thermography
BT2 Measuring Methods
RT Heat Losses
RT Infrared Radiation
RT Temperature Monitoring
DEF A method for measuring the infrared radiation emitted from surfaces.

INFUSION [01]
DA December 1, 1974
BT1 Intake

ING LINAC [01]
DA December 1, 1974
UF *Intense Neutron Generator Linac*
BT1 Linear Accelerators
BT2 Accelerators
BT1 Neutron Sources
BT2 Particle Sources
BT3 Radiation Sources

INGESTION [01]
DA December 1, 1974
BT1 Intake
RT Beverages
RT Diet
RT Digestion
RT Drinking Water
RT Food
RT Intestinal Absorption

RT Oral Administration
RT Oral Cavity

INHALATION [01]
DA December 1, 1974
BT1 Intake
RT Aerosols
RT Air
RT Breath
RT Dusts
RT Intratracheal Administration
RT Maximum Inhalation Quantity
RT Radionuclide Administration
RT Respiration
RT Respirators
RT Respiratory System

Inhalation Exposure Chambers
DA October 20, 1977
USE Exposure Chambers

INHALATION TOXICOLOGY RESEARCH INSTITUTE
DA July 27, 1982
UF *ITRI*
UF *Lovelace Biomedical and Environmental Research Institute*
BT1 US DOE
BT2 US Organizations
BT3 National Organizations
RT New Mexico

INHIBITION [01]
DA December 1, 1974
UF *Extinguishment*
UF *Suppression*
UF+ *Growth Inhibition*
NT1 Sprout Inhibition
RT Catalysis
RT Enzyme Inhibitors
RT Flames
RT Inactivation
RT Stabilization

Inhibitors (Corrosion)
DA December 1, 1974
USE Corrosion Inhibitors

Inhibitors (Enzyme)
DA March 11, 1976
USE Enzyme Inhibitors

INHOMOGENEOUS FIELDS [01]
DA December 1, 1974
RT Electric Fields
RT Electromagnetic Fields
RT Magnetic Fields

INHOMOGENEOUS PLASMA [01]
DA December 1, 1974
BT1 Plasma

INHOUR EQUATION [01]
DA December 1, 1974
UF *Nordheim Equation*
BT1 Equations
RT Reactivity
RT Reactor Kinetics

INHOURS [01]
DA December 1, 1974
BT1 Reactivity Units
BT2 Units

INIS [01]
DA December 1, 1974
UF *International Nuclear Information System*
BT1 Information Systems

Initial Reservoir Pressure
DA September 11, 1978
USE Reservoir Pressure

INJECTION [01]
DA December 1, 1974
BT1 Intake
NT1 Intramuscular Injection
NT1 Intraperitoneal Injection
NT1 Intravenous Injection
NT1 Subcutaneous Injection
RT Implants
RT Radionuclide Administration
RT Therapy

Injection (Beams)
DA December 1, 1974
USE Beam Injection

Injection Fluids
(For oil and gas wells.)
DA August 8, 1985
USE Displacement Fluids

INJECTION WELLS [01]
DA January 23, 1975
UF *Input Well*
BT1 Wells
RT Geothermal Wells
RT Reinjection
DEF A well used for injecting fluids into an underground strata.

INJURIES [01]
DA December 1, 1974
UF *Trauma*
UF+ *Traumatic Shock*
NT1 Bone Fractures
NT1 Burns
NT2 Flash Burns
NT2 Radiation Burns
NT1 Radiation Injuries
NT2 Osteoradionecrosis
NT2 Radiation Burns
NT2 Radiodermatitis
NT1 Wounds
RT Accidents
RT Diseases
RT First Aid
RT Health Hazards
RT Hematomas
RT Safety
RT Single Intake

INKS [01]
DA December 1, 1974
NT1 India Ink
RT Dyes

INLAND WATERWAYS [01]
DA December 1, 1974
UF *Canals (Waterways)*
RT Harbors
RT Lakes
RT Marinas
RT Rivers
RT Transport

Inlet Event
DA June 21, 1977
USE Anvil Project

Inner Bremsstrahlung
DA December 1, 1974
USE Internal Bremsstrahlung

INNER MONGOLIA [01]
DA December 10, 1979
SF *Mongolia*
BT1 China
BT2 Asia

INNER-SHELL EXCITATION [01]
DA December 23, 1987
BT1 Excitation
BT2 Energy-Level Transitions
RT Inner-Shell Ionization

INNER-SHELL IONIZATION [01]
DA August 24, 1976
BT1 Ionization
RT Auger Effect
RT Autoionization
RT Coulomb Ionization
RT Inner-Shell Excitation

Inns
DA December 17, 1979
USE Hotels

INOCULATION [01]
DA December 1, 1974
RT Immune Serums
RT Immunity
RT Vaccines
RT Viruses

INOR-8
DA December 1, 1974
BT1 Alloy-Ni70Mo17Cr7Fe5
BT2 Aluminium Additions
BT3 Aluminium Alloys
BT4 Alloys
BT2 Chromium Alloys
BT3 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Hastelloys
BT3 Nickel Base Alloys
BT4 Nickel Alloys
BT5 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Iron Alloys
BT3 Alloys
BT2 Molybdenum Alloys
BT3 Alloys
BT2 Titanium Additions
BT3 Titanium Alloys
BT4 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Iron Alloys
BT2 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
RT Inconel Alloys

INORGANIC ACIDS [01]
DA December 1, 1974
UF *Acids (Inorganic)*
UF *Mineral Acids*
UF+ *Polythionic Acids*
BT1 Hydrogen Compounds
NT1 Boric Acid
NT1 Broensted Acids
NT1 Bromic Acid
NT1 Carbonic Acid
NT1 Chloric Acid
NT1 Chlorous Acid
NT1 Chromic Acid
NT1 Fluoroboric Acid
NT1 Heteropoly Acids
NT1 Hydrazoic Acid
NT1 Hydriodic Acid
NT1 Hydrobromic Acid
NT1 Hydrochloric Acid
NT1 Hydrocyanic Acid
NT1 Hydrofluoric Acid
NT1 Hypochlorous Acid
NT1 Hypofluorous Acid
NT1 Hypoiodous Acid
NT1 Hypophosphorous Acid
NT1 Iodic Acid
NT1 Lewis Acids
NT1 Molybdic Acid
NT1 Molybdophosphoric Acid
NT1 Nitric Acid
NT1 Nitrous Acid
NT1 Perchloric Acid
NT1 Periodic Acid
NT1 Phosphoric Acid
NT1 Phosphorous Acid
NT1 Silicic Acid
NT1 Sulfamic Acid
NT1 Sulfuric Acid
NT2 Persulfuric Acid
NT1 Sulfurous Acid
NT1 Telluric Acid
NT1 Tungstophosphoric Acid
RT Acid Carbonates
RT Acid Phosphates
RT Acid Silicates
RT Acid Sulfates
RT Acid Sulfites
RT Acidification
RT Anhydrides
RT PH Value

INORGANIC COMPOUNDS [01]
(Use of a more specific term is recommended.)
DA May 15, 1975
SF *Chemicals*

SF *Compounds (Inorganic)*
RT Chemical Feedstocks

INORGANIC ION EXCHANGERS [01]
DA December 1, 1974
UF *Permutit (Inorganic)*
BT1 Ion Exchange Materials
BT2 Materials
NT1 Bentonite
NT1 Montmorillonite
NT1 Mullite
NT1 Vermiculite
NT1 Zeolites
NT2 Analcime
NT2 Clinoptilolite
NT2 Faujasite
NT2 Heulandite
NT2 Laumontite
NT2 Mordenite
NT2 Wairakite

INORGANIC PHOSPHORS [01]
DA December 1, 1974
BT1 Phosphors
NT1 Cadmium Sulfides
NT1 Cadmium Tungstates
NT1 Calcium Tungstates
NT1 Cesium Iodides
NT1 Lithium Iodides
NT1 Potassium Iodides
NT1 Sodium Iodides
NT1 Zinc Sulfides
RT Bismuth Germanates
RT Solid Scintillation Detectors

INORGANIC POLYMERS [01]
DA December 1, 1974
BT1 Polymers

INOSINE [01]
DA December 1, 1974
BT1 Nucleosides
BT2 Nucleotides
BT3 Organic Compounds
BT2 Ribosides
BT1 Purines
BT2 Azaarenes
BT3 Aromatics
BT4 Organic Compounds
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
RT Hypoxanthine

INOSITOL [01]
DA December 1, 1974
UF *I-Inositol*
BT1 Inositols
BT2 Monosaccharides
BT3 Saccharides
BT4 Carbohydrates
BT5 Organic Compounds
RT Phytic Acid

INOSITOLS [01]
DA December 1, 1974
BT1 Monosaccharides
BT2 Saccharides
BT3 Carbohydrates
BT4 Organic Compounds
NT1 Inositol
RT Hydroxy Compounds

Input-Output
DA May 2, 1979
SEE Material Balance

INPUT-OUTPUT ANALYSIS
DA April 6, 1978
BT1 Economic Analysis
BT2 Economics
RT Developing Countries
RT Economy
RT Energy Analysis
RT Regional Analysis
DEF Economic analysis in which the interdependence of an economy's various productive sectors is observed by viewing the product of each industry both as a commodity demanded for final consumption and as a factor in the production of itself and other goods.

Input Well
DA March 31, 1976
USE Injection Wells

INR CYCLOTRON [01]
(Institute of Nuclear Research, Academia Sinica, Shangai.)
DA March 24, 1983
UF *Shanghai INR Cyclotron*
BT1 Isochronous Cyclotrons
BT2 Cyclotrons
BT3 Cyclic Accelerators
BT4 Accelerators

INSB SEMICONDUCTOR DETECTORS [01]
(Indium antimonide semiconductor detectors.)
DA July 8, 1988
BT1 Semiconductor Detectors
BT2 Radiation Detectors
BT3 Measuring Instruments

INSECT DISPERSAL [01]
DA December 1, 1974
UF *Dispersal (Insect)*
RT Behavior
RT Insects
RT Sterile Insect Release
RT Sterile Male Technique

INSECTICIDES [01]
DA December 1, 1974
BT1 Pesticides
NT1 Aldrin
NT1 DDT
NT1 Dieldrin
NT1 Kepone
NT1 Lindane
NT1 Malathion
NT1 Parathion
RT Insects

INSECTS [01]
DA December 1, 1974
UF *Entomology*
UF+ *Caste (Insects)*
BT1 Arthropods
BT2 Invertebrates
BT3 Animals
NT1 Coleoptera
NT2 Beetles
NT3 Boll Weevil
NT3 Tribolium
NT1 Dictyoptera
NT2 Cockroaches
NT1 Diptera
NT2 Flies
NT3 Fruit Flies
NT4 Ceratitis Capitata
NT4 Dacus
NT5 Dacus Oleae
NT4 Drosophila
NT4 Rhagoletis Cerasi
NT3 Glossina
NT3 Hylemya Antiqua
NT3 Screwworm Fly
NT2 Mosquitoes
NT1 Ephemeroptera
NT1 Hemiptera
NT2 Aphids
NT1 Hymenoptera
NT2 Ants
NT2 Bees
NT2 Wasps
NT3 Habrobracon
NT1 Lepidoptera
NT2 Moths
NT3 Bollworm
NT3 Codling Moth
NT3 Lymantria Dispar
NT3 Rice Stem Borers
NT3 Silkworm
NT1 Orthoptera
NT2 Grasshoppers
NT3 Locusts
RT Chemical Attractants
RT Chemoreceptors
RT Disease Vectors
RT Genetic Control
RT Grain Disinfestation
RT Insect Dispersal
RT Insecticides
RT Larvae
RT Mass Rearing
RT Pest Control
RT Pest Eradication
RT Pheromone
RT Pupae
RT Radiodisinfestation
RT Rearing
RT Sterile Male Technique

INSOLATION
DA April 15, 1975
RT Diffuse Solar Radiation
RT Direct Solar Radiation
RT Solar Flux
RT Solar Radiation
RT Solar Simulators
RT Sun Charts

INSPECTION [01]
DA December 1, 1974
UF *Control (Inspection)*
NT1 In-Service Inspection
RT Accuracy
RT Audits
RT Calibration
RT Ges Fuer Reaktorsicherheit
RT Industrial Radiography
RT Legal Aspects
RT Licensing
RT Materials Testing
RT Nondestructive Testing
RT Performance Testing
RT Post-Irradiation Examination
RT Preventive Medicine
RT Quality Control
RT Radiation Monitoring
RT Radiation Protection
RT Reactor Maintenance
RT Recommendations
RT Safeguards
RT Sampling
RT Specifications
RT Testing
RT Verification

Inspector General (US DOE)
DA June 6, 1980
USE US DOE Inspector General

Inst V Kernph Onder Amsterdam
DA September 11, 1978
USE IKO

INSTABILITY [01]
DA December 1, 1974
NT1 Combustion Instability
NT1 Pierce Instability
NT1 Plasma Instability
NT2 Absolute Instabilities
NT2 Convective Instabilities
NT2 Decay Instability
NT2 Explosive Instability
NT2 Gravitational Instability
NT2 Plasma Macroinstabilities
NT3 Ballooning Instability
NT3 Edge Localized Modes
NT3 Fishbone Instability
NT3 Flute Instability
NT3 Helical Instability
NT3 Helmholtz Instability
NT3 Kink Instability
NT3 Parametric Instabilities
NT3 Sausage Instability
NT3 Tearing Instability
NT3 Tilting Instability
NT3 Trapped-Particle Instability
NT3 Whistler Instability
NT2 Plasma Microinstabilities
NT3 Bump-in-Tail Instability
NT3 Cyclotron Instability

NT3 Drift Instability
NT3 Hose Instability
NT3 Ion Wave Instability
NT3 Loss Cone Instability
NT3 Negative Mass Instability
NT3 Two-Stream Instability
NT1 Rayleigh-Taylor Instability
RT Stability

INSTABILITY GROWTH RATES [01]
DA December 1, 1974
RT Plasma Instability

INSTALLATION [01]
DA May 13, 1976
RT Construction

INSTANTONS [01]
DA November 29, 1977
UF *Pseudoparticles*
BT1 Quasi Particles
RT Field Equations
RT Field Theories
RT Gauge Invariance
RT Higgs Model
RT Lattice Field Theory
RT Merons
RT Quantum Chromodynamics
RT Solitons
RT SU Groups
RT Symmetry Breaking
RT Vacuum States
RT Yang-Mills Theory
DEF Finite action solutions to Euclidean field equations, localized in time and space, which can give rise to tunneling processes between classical vacua, have a role in quark confinement, and may be relevant in infrared behavior of field theories.

Institute for Reactor Safety
DA October 19, 1977
USE Ges Fuer Reaktorsicherheit

INSTITUTIONAL FACTORS
DA May 25, 1979
NT1 Political Aspects
NT1 Socio-Economic Factors
RT Constraints
RT Government Policies
RT Institutional Sector
RT Legal Incentives
RT Public Policy

INSTITUTIONAL SECTOR
DA September 27, 1979
RT Institutional Factors
RT National Government
RT State Government

Instituto de Asuntos Nucleares R1
DA December 1, 1974
USE IAN-R1 Reactor

Instituto de Energia Atomica R1
DA December 1, 1974
USE IEAR-1 Reactor

Instituto Engenhoria Nuclear Rio Reactor
DA December 1, 1974
USE RIEN-1 Reactor

Instruments (Measuring)
DA December 1, 1974
USE Measuring Instruments

Insulating Limiters
DA April 4, 1975
USE Limiters

INSULATING OILS
DA July 23, 1980
UF *Transformer Oils*
BT1 Oils
BT2 Other Organic Compounds
BT3 Organic Compounds
RT Circuit Breakers
RT Dielectric Materials
RT Dielectric Properties
RT Electrical Insulators
RT Switches
RT Transformers
DEF A high-quality oil whose high dielectric strength and high flash point allow it to be used in switches, circuit breakers, and transformers as an insulating and cooling medium.

Insulation (Electrical)
DA June 2, 1977
USE Electrical Insulation

Insulation (Magnetic)
DA November 8, 1980
USE Magnetic Insulation

Insulation (Thermal)
DA December 1, 1974
USE Thermal Insulation

Insulators (Electrical)
DA December 1, 1974
USE Electrical Insulators

INSULIN [01]
DA December 1, 1974
BT1 Peptide Hormones
BT2 Hormones
BT2 Proteins
BT3 Organic Compounds
RT Diabetes Mellitus
RT Glucose
RT Metabolism
RT Pancreas

INSURANCE [01]
DA December 1, 1974
UF *Health Insurance*
UF *Marine Insurance*
UF *Transport Insurance*
NT1 Accident Insurance
NT1 Nuclear Insurance
RT Accidents
RT Financial Security
RT Hazards
RT Legal Aspects
RT Liabilities
RT Victims Compensation

INTAKE [01]
DA December 1, 1974
NT1 Chronic Intake
NT1 Infusion
NT1 Ingestion
NT1 Inhalation
NT1 Injection
NT2 Intramuscular Injection
NT2 Intraperitoneal Injection
NT2 Intravenous Injection
NT2 Subcutaneous Injection
NT1 Rectal Administration
NT1 Single Intake
RT Annual Limit Of Intake
RT Maximum Permissible Intake
RT Radionuclide Administration
RT Radionuclide Kinetics
RT Uptake

INTAKE CANALS
DA January 30, 1975
RT Auxiliary Water Systems
RT Intake Structures

INTAKE STRUCTURES [01]
DA January 30, 1975
BT1 Mechanical Structures
RT Cooling Systems
RT Impingement
RT Intake Canals
RT Screens

INTEGRAL CALCULUS [01]
DA June 30, 1975
UF+ *Residues (Mathematical)*
BT1 Mathematics
RT Poincare-Bertrand Formula

INTEGRAL CROSS SECTIONS [01]
DA June 7, 1976
BT1 Cross Sections

INTEGRAL DOSES [01]
DA December 1, 1974
BT1 Radiation Doses
BT2 Doses
RT CUEX
RT Maximum Permissible Exposure
RT Spatial Dose Distributions
RT Temporal Dose Distributions

INTEGRAL EQUATIONS [01]
DA December 1, 1974
BT1 Equations
NT1 Blankenbecler-Sugar Equations
NT1 Fredholm Equation
NT1 Lippmann-Schwinger Equation
NT1 Quasipotential Equation
NT1 Volterra Integral Equations
RT Differential Equations
RT Integrals
RT Kernels
RT Mathematics
RT Point Kernels

INTEGRAL PAC [01]
DA December 1, 1974
BT1 Perturbed Angular Correlation
BT2 Angular Correlation
BT3 Correlations

INTEGRAL TRANSFORMATIONS [01]
DA December 1, 1974
BT1 Transformations
NT1 Fourier Transformation
NT1 Hankel Transform
NT1 Hilbert Transformation
NT1 Laplace Transformation
NT1 Mellin Transform
RT Integrals
RT Mathematics

INTEGRALS [01]
DA December 1, 1974
NT1 Action Integral
NT1 Collision Integrals
NT1 Feynman Path Integral
NT1 Resonance Integrals
NT1 Sommerfeld Integrals
NT1 Talmi Integrals
RT Integral Equations
RT Integral Transformations
RT Mathematics
RT Quadratures
RT Sievert Unit

INTEGRATED CIRCUITS [01]
DA December 1, 1974
BT1 Microelectronic Circuits
BT2 Electronic Circuits

Integrated Community Energy Systems
DA June 30, 1977
USE ICES Program

INTEGRATED COOLING SYSTEMS [01]
DA December 1, 1974
BT1 Reactor Cooling Systems
BT2 Cooling Systems
BT3 Energy Systems
BT2 Reactor Components

Integrated Energy Utility Systems
DA December 28, 1978
USE IEUS

INTEGRATED IN-SITU PROCESS
DA October 24, 1981
BT1 Modified In-Situ Processes
RT Aluminium Oxides
RT Nahcolite
RT Oil Shales
DEF Multe Mineral Corp. process for producing shale oil, raw nahcolite, soda ash, and alumina.

Integrated Utility Systems
DA September 19, 1977
USE Total Energy Systems

Integrators (Pulse)
DA December 1, 1974
USE Pulse Integrators

Integrity(Fuel)
DA March 26, 1985
USE Fuel Integrity

Intense Neutron Generator Linac
DA December 1, 1974
USE ING Linac

Intensifiers (Image)
DA December 1, 1974
USE Image Intensifiers

INTERACTING BOSON MODEL [01]
DA December 1, 1974
BT1 Shell Models
BT2 Nuclear Models
BT3 Mathematical Models
RT Boson Expansion
RT Boson-Fermion Symmetry
RT Bosons
RT Nuclear Structure

INTERACTION RANGE [01]
DA December 1, 1974
UF *Long-Range Interactions*
UF *Short-Range Interactions*
BT1 Distance
RT Interactions

INTERACTIONS [01]
(For elementary particles and radiations only; not for CONFIGURATION INTERACTION.)
DA December 1, 1974
* **NT1** Basic Interactions
NT1 Configuration Mixing
NT1 Exchange Interactions
NT1 Final-State Interactions
NT1 Finite-Range Interactions
NT1 Pair Production
NT2 Internal Pair Production
NT1 Pairing Interactions
* **NT1** Particle Interactions
NT1 Residual Interactions
RT ABC Effect
RT Beam Luminosity
RT Capture
RT Capture-to-Fission Ratio
RT Colliding Beams
RT Collisions
RT Coupling
RT Decay
RT Effective Range Theory
RT Interaction Range
RT Lorentz Force
RT Nuclear Molecules
RT Nucleon-Nucleon Potential
RT Pomeranchuk Theorem
RT Scattering
RT Selection Rules
RT Threshold Energy
RT Transverse Momentum
RT Wolfenstein Parameters

INTERACTIVE DISPLAY DEVICES [01]
DA December 1, 1974
UF *Interactive Graphics*
BT1 Display Devices
BT2 Computer-Graphics Devices
BT3 Computer Output Devices
RT Computer Graphics

Interactive Graphics
DA December 1, 1974
USE Interactive Display Devices

INTERAGENCY COOPERATION
DA August 25, 1980
BT1 Cooperation

INTERATOMIC DISTANCES [01]
DA December 1, 1974
BT1 Distance
RT Molecular Structure

INTERATOMIC FORCES [01]
DA December 1, 1974
RT Buckingham Potential
RT Lennard-Jones Potential
RT Morse Potential
RT Potentials

Intercalates
DA August 9, 1977
USE Clathrates

INTERCEPTION
DA December 10, 1984
RT Acid Rain
RT Atmospheric Precipitations
RT Evaporation
RT Forests
RT Plants
RT Rain Water
RT Runoff
RT Security
RT Throughfall
RT Water

Interchange Instability
DA December 1, 1974
USE Flute Instability

INTERCHANGEABILITY [01]
DA September 19, 1977
RT Compatibility
RT Energy Conservation
RT Energy Sources
RT Fuel Substitution
RT Fuels
RT Material Substitution
RT Materials
RT Resource Conservation
DEF Ability to substitute one energy source, fuel, or material for another for conservation or to relieve scarcity.

INTERCONNECTED POWER SYSTEMS [01]
DA May 3, 1979
UF *Power Pools*
BT1 Power Systems
BT2 Energy Systems
RT Electric Utilities
RT Power Factor
RT Power Generation
RT Power Pooling
RT Power Transmission
RT Sellback
DEF A system of two or more individual power systems normally operating with interconnecting tie lines enabling each system to draw on the others' reserves in time of need or for economic reasons.

Intercrystalline Corrosion
DA December 1, 1974
USE Intergranular Corrosion

INTEREM DEVICE [01]
DA December 1, 1974
BT1 Magnetic Mirrors
BT2 Open Plasma Devices
BT3 Thermonuclear Devices

INTEREST GROUPS [01]
DA December 8, 1980
UF *Lobbies*
UF *Pressure Groups*
RT Consumer Protection
RT Human Intrusion
RT Human Populations
RT Intervenors
RT Minority Groups

INTEREST RATE
DA June 14, 1978
UF *Discount Rate*
RT Charges
RT Debt Collection
RT Financing
RT Investment

INTERFACES [01]
DA December 1, 1974
NT1 Sediment-Water Interfaces
RT Surfaces

Interfaces (Equipment)
DA December 1, 1974
USE Equipment Interfaces

Interfacial Tension
DA November 25, 1980
SEE Surface Tension

INTERFERENCE [01]
DA December 1, 1974
RT Radio Noise
RT Wave Propagation

INTERFERING ELEMENTS [01]
DA December 1, 1974
RT Impurities

INTERFEROMETERS [01]
DA December 1, 1974
BT1 Measuring Instruments
NT1 Fabry-Perot Interferometer
NT1 Mach-Zehnder Interferometer
NT1 Michelson Interferometer
RT Interferometry
RT Radio Telescopes
RT Spectrometers
RT SQUID Devices

INTERFEROMETRY [01]
DA December 1, 1974
RT Interferometers

INTERFERON [01]
DA December 1, 1974
BT1 Lymphokines
BT2 Growth Factors
BT3 Mitogens
BT3 Proteins
BT4 Organic Compounds
RT Immunity
RT Viruses
DEF A protein (lymphokine) released by cells in response to virus infection. When taken up by other cells, interferon inhibits the replication of viruses within them.

INTERGALACTIC SPACE [01]
DA December 1, 1974
BT1 Space
RT Universe

INTERGOVERNMENTAL COOPERATION [01]
DA December 17, 1979
BT1 Cooperation
RT Compact Commissions
RT GIDEP

INTERGRANULAR CORROSION [01]
DA December 1, 1974
UF *Intercrystalline Corrosion*
BT1 Corrosion
BT2 Chemical Reactions
RT Grain Boundaries

INTERKOSMOS SATELLITES [01]
DA December 1, 1974
BT1 Satellites
RT Kosmos Satellites
RT Proton Satellites

INTERLABORATORY COMPARISONS [01]
DA September 10, 1982
RT Calibration Standards
RT Comparative Evaluations
RT Coordinated Research Programs

INTERLOCKS [01]
DA January 30, 1975
BT1 Reactor Control Systems
BT2 Control Systems

INTERMEDIATE BOSONS [01]
DA December 1, 1974
BT1 Bosons
BT1 Elementary Particles
NT1 Intermediate Vector Bosons
NT2 W Minus Bosons
NT2 W Plus Bosons
NT2 Z Neutral Bosons

INTERMEDIATE BTU GAS [01]
(250 to 900 Btu/ft^3.)
DA January 24, 1975
UF+ *Gobar Gas*
BT1 Fuel Gas
BT2 Gas Fuels
BT3 Fuels
BT2 Gases
BT3 Fluids
NT1 Carburetted Water Gas
NT1 Town Gas
NT1 Water Gas
RT Caloricon Process
RT Syngas Process

INTERMEDIATE COUPLING [01]
DA December 1, 1974
BT1 Coupling
NT1 J-J Coupling
NT1 L-S Coupling
RT Tomonaga Approximation

Intermediate Coupling Approximation
DA December 1, 1974
USE Tomonaga Approximation

Intermediate Image Spectrometer
DA December 1, 1974
USE Magnetic Lens Spectrometers

INTERMEDIATE INFRARED RADIATION [01]
DA June 7, 1976
BT1 Infrared Radiation
BT2 Electromagnetic Radiation
BT3 Radiations

INTERMEDIATE-LEVEL RADIOACTIVE WASTES [01]
DA January 23, 1978
BT1 Radioactive Wastes
BT2 Radioactive Materials
BT3 Materials
BT2 Wastes
RT High-Level Radioactive Wastes
RT Konrad Ore Mine
RT Low-Level Radioactive Wastes
DEF Waste containing 5×10^{-5} to 100 microcuries/milliliter of radioactivity.

INTERMEDIATE MASS NUCLEI [01]
(For nuclei with mass 41-180.)
DA December 1, 1974
BT1 Nuclei
NT1 Antimony 106
NT1 Antimony 108
NT1 Antimony 109
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NT1 Arsenic 65
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* NT1 Rare Earth Nuclei
NT1 Rhenium 161
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NT1 Thallium 179
NT1 Tin 100
NT1 Tin 101
NT1 Tin 102
NT1 Tin 103
NT1 Tin 104
NT1 Tin 105
NT1 Tin 106
NT1 Tin 107
NT1 Tin 108
NT1 Tin 109
NT1 Tin 110
NT1 Tin 111
NT1 Tin 112
NT1 Tin 113
NT1 Tin 114
NT1 Tin 115
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NT1 Tin 125
NT1 Tin 126
NT1 Tin 127
NT1 Tin 128
NT1 Tin 129
NT1 Tin 130
NT1 Tin 131
NT1 Tin 132
NT1 Tin 133
NT1 Tin 134
NT1 Titanium 41
NT1 Titanium 42
NT1 Titanium 43
NT1 Titanium 44
NT1 Titanium 45
NT1 Titanium 46
NT1 Titanium 47
NT1 Titanium 48
NT1 Titanium 49
NT1 Titanium 50
NT1 Titanium 51
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NT1 Titanium 56
NT1 Titanium 57
NT1 Tungsten 158
NT1 Tungsten 159
NT1 Tungsten 160
NT1 Tungsten 161
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NT1 Tungsten 163
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NT1 Tungsten 166
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NT1 Tungsten 171
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NT1 Tungsten 176
NT1 Tungsten 177
NT1 Tungsten 178
NT1 Tungsten 179
NT1 Tungsten 180
NT1 Vanadium 42
NT1 Vanadium 43
NT1 Vanadium 44
NT1 Vanadium 45
NT1 Vanadium 46
NT1 Vanadium 47
NT1 Vanadium 48
NT1 Vanadium 49
NT1 Vanadium 50
NT1 Vanadium 51
NT1 Vanadium 52
NT1 Vanadium 53
NT1 Vanadium 54
NT1 Vanadium 55
NT1 Vanadium 56
NT1 Vanadium 57
NT1 Vanadium 58
NT1 Vanadium 59
NT1 Vanadium 60
NT1 Xenon 110
NT1 Xenon 111
NT1 Xenon 112
NT1 Xenon 113
NT1 Xenon 114
NT1 Xenon 115
NT1 Xenon 116

NT1 Xenon 117
NT1 Xenon 118
NT1 Xenon 119
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NT1 Xenon 142
NT1 Xenon 143
NT1 Xenon 144
NT1 Xenon 145
NT1 Xenon 146
NT1 Yttrium 77
NT1 Yttrium 79
NT1 Yttrium 80
NT1 Yttrium 81
NT1 Yttrium 82
NT1 Yttrium 83
NT1 Yttrium 84
NT1 Yttrium 85
NT1 Yttrium 86
NT1 Yttrium 87
NT1 Yttrium 88
NT1 Yttrium 89
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NT1 Yttrium 91
NT1 Yttrium 92
NT1 Yttrium 93
NT1 Yttrium 94
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NT1 Yttrium 96
NT1 Yttrium 97
NT1 Yttrium 98
NT1 Yttrium 99
NT1 Yttrium 100
NT1 Yttrium 101
NT1 Yttrium 102
NT1 Zinc 57
NT1 Zinc 58
NT1 Zinc 59
NT1 Zinc 60
NT1 Zinc 61
NT1 Zinc 62
NT1 Zinc 63
NT1 Zinc 64
NT1 Zinc 65
NT1 Zinc 66
NT1 Zinc 67
NT1 Zinc 68
NT1 Zinc 69
NT1 Zinc 70
NT1 Zinc 71
NT1 Zinc 72
NT1 Zinc 73
NT1 Zinc 74
NT1 Zinc 75
NT1 Zinc 76
NT1 Zinc 77
NT1 Zinc 78
NT1 Zinc 79
NT1 Zinc 80
NT1 Zinc 81
NT1 Zirconium 80
NT1 Zirconium 81
NT1 Zirconium 82
NT1 Zirconium 83
NT1 Zirconium 84
NT1 Zirconium 85
NT1 Zirconium 86
NT1 Zirconium 87
NT1 Zirconium 88
NT1 Zirconium 89
NT1 Zirconium 90
NT1 Zirconium 91
NT1 Zirconium 92
NT1 Zirconium 93
NT1 Zirconium 94
NT1 Zirconium 95
NT1 Zirconium 96
NT1 Zirconium 97
NT1 Zirconium 98
NT1 Zirconium 99
NT1 Zirconium 100
NT1 Zirconium 101
NT1 Zirconium 102
NT1 Zirconium 103
NT1 Zirconium 104
RT Nuclear Structure

INTERMEDIATE NEUTRONS [01]
DA December 1, 1974
BT1 Neutrons
BT2 Nucleons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
RT Resonance Neutrons

INTERMEDIATE REACTORS [01]
DA December 1, 1974
BT1 Epithermal Reactors
BT2 Reactors
NT1 THOR Reactor
RT Resonance Neutrons

INTERMEDIATE RESONANCE [01]
DA December 1, 1974
BT1 Resonance
RT Cross Sections
RT Intermediate Structure
RT Nuclear Reactions

INTERMEDIATE STATE
DA June 12, 1975
RT Superconductivity
DEF A state of partial superconductivity that occurs when a magnetic field of appropriate strength is applied to a superconducting material below its critical temperature.

INTERMEDIATE STRUCTURE [01]
DA December 1, 1974
RT Cross Sections
RT Intermediate Resonance
RT Nuclear Reactions

Intermediate Technology
DA June 14, 1978
USE Appropriate Technology

INTERMEDIATE VECTOR BOSONS [01]
DA December 1, 1974
SF *Weak Boson*
BT1 Intermediate Bosons
BT2 Bosons
BT2 Elementary Particles
NT1 W Minus Bosons
NT1 W Plus Bosons
NT1 Z Neutral Bosons
RT Electron-Quark Interactions
RT Weinberg Angle

Intermediates (Reaction)
DA March 4, 1980
SEE Reaction Intermediates

INTERMETALLIC COMPOUNDS [01]
DA December 1, 1974
BT1 Alloys
NT1 Cementite
RT Antimonides
RT Arsenides
RT Borides
RT Laves Phases
RT Selenides
RT Semimetals
RT Silicides
RT Tellurides

INTERMOLECULAR FORCES [01]
DA December 1, 1974
RT Binding Energy
RT Potentials
RT Van der Waals Forces

INTERNAL BREMSSTRAHLUNG [01]
DA December 1, 1974
UF *Inner Bremsstrahlung*
BT1 Bremsstrahlung
BT2 Electromagnetic Radiation
BT3 Radiations

INTERNAL COMBUSTION ENGINES
DA January 27, 1975
UF *Gas Engines*
UF *Gasoline Engines*
BT1 Heat Engines
BT2 Engines
NT1 Diesel Engines
NT1 Dual-Fuel Engines
NT1 Gas Turbine Engines
NT1 Ramjet Engines
NT1 Rotary Engines
NT2 Wankel Engines
NT1 Spark Ignition Engines
NT2 Wankel Engines
NT1 Stratified Charge Engines
NT1 Turbofan Engines
NT1 Turbojet Engines
RT AAPS
RT Carburetors
RT Compression Ratio
RT Exhaust Gases
RT Knock Control
RT PCV Systems
RT Pistons
RT Superchargers

Internal Contamination
DA December 1, 1974
USE Radionuclide Kinetics

INTERNAL CONVERSION [01]
DA December 1, 1974
BT1 Conversion
BT1 Nuclear Decay
BT2 Decay
NT1 K Conversion
NT1 L Conversion
NT1 M Conversion
RT Energy Levels
RT Gamma Decay
RT Internal Conversion Radioisotopes
RT Internal Pair Production

INTERNAL CONVERSION RADIOISOTOPES [01]
DA December 1, 1974
BT1 Radioisotopes
BT2 Isotopes
NT1 Actinium 227
NT1 Antimony 119
NT1 Antimony 122
NT1 Antimony 124
NT1 Antimony 126
NT1 Astatine 212
NT1 Barium 131
NT1 Barium 133
NT1 Barium 135
NT1 Berkelium 243
NT1 Bromine 77
NT1 Bromine 80
NT1 Bromine 82
NT1 Cadmium 111
NT1 Cadmium 113
NT1 Californium 247
NT1 Californium 250
NT1 Cerium 133
NT1 Cerium 137
NT1 Cesium 123
NT1 Cesium 134
NT1 Cesium 138
NT1 Cobalt 58
NT1 Cobalt 60
NT1 Dysprosium 159
NT1 Einsteinium 254
NT1 Erbium 156
NT1 Erbium 167
NT1 Erbium 169
NT1 Europium 154
NT1 Germanium 73
NT1 Germanium 75
NT1 Gold 191
NT1 Gold 193
NT1 Gold 195
NT1 Gold 196
NT1 Gold 197

NT1 Hafnium 178
NT1 Hafnium 179
NT1 Hafnium 180
NT1 Holmium 158
NT1 Holmium 160
NT1 Holmium 164
NT1 Indium 112
NT1 Indium 114
NT1 Indium 115
NT1 Indium 116
NT1 Indium 121
NT1 Iodine 125
NT1 Iodine 129
NT1 Iodine 130
NT1 Iodine 132
NT1 Iodine 133
NT1 Iridium 190
NT1 Iridium 191
NT1 Iridium 192
NT1 Iridium 193
NT1 Krypton 79
NT1 Krypton 83
NT1 Lead 199
NT1 Lead 202
NT1 Lutetium 169
NT1 Lutetium 170
NT1 Lutetium 171
NT1 Lutetium 172
NT1 Lutetium 176
NT1 Mercury 193
NT1 Mercury 195
NT1 Mercury 197
NT1 Mercury 199
NT1 Molybdenum 93
NT1 Neodymium 147
NT1 Neptunium 236
NT1 Niobium 91
NT1 Niobium 93
NT1 Niobium 94
NT1 Osmium 180
NT1 Osmium 189
NT1 Osmium 190
NT1 Osmium 191
NT1 Osmium 194
NT1 Palladium 112
NT1 Platinum 193
NT1 Platinum 195
NT1 Platinum 197
NT1 Platinum 199
NT1 Plutonium 235
NT1 Plutonium 237
NT1 Polonium 199
NT1 Polonium 201
NT1 Polonium 202
NT1 Polonium 203
NT1 Polonium 205
NT1 Polonium 206
NT1 Polonium 207
NT1 Praseodymium 142
NT1 Promethium 145
NT1 Radium 213
NT1 Radium 225
NT1 Radium 228
NT1 Radium 230
NT1 Radon 210
NT1 Radon 211
NT1 Rhenium 183
NT1 Rhenium 184
NT1 Rhenium 188
NT1 Rhenium 189
NT1 Rhodium 96
NT1 Rhodium 100
NT1 Rhodium 101
NT1 Rhodium 103
NT1 Rhodium 105
NT1 Rubidium 81
NT1 Samarium 145
NT1 Samarium 151
NT1 Scandium 46
NT1 Selenium 79
NT1 Selenium 81
NT1 Silver 99
NT1 Silver 103
NT1 Silver 105
NT1 Silver 107
NT1 Silver 109
NT1 Silver 111
NT1 Tantalum 182
NT1 Technetium 96
NT1 Technetium 97
NT1 Technetium 99
NT1 Tellurium 121
NT1 Tellurium 123
NT1 Tellurium 125
NT1 Tellurium 132
NT1 Terbium 151
NT1 Terbium 157
NT1 Terbium 158
NT1 Thallium 198
NT1 Thorium 234
NT1 Thulium 159
NT1 Thulium 161
NT1 Tin 113
NT1 Tin 119
NT1 Tin 121
NT1 Tungsten 176
NT1 Tungsten 181
NT1 Tungsten 185
NT1 Uranium 230
NT1 Uranium 235
NT1 Uranium 240
NT1 Xenon 125
NT1 Xenon 129
NT1 Xenon 131
NT1 Xenon 133
NT1 Ytterbium 164
NT1 Ytterbium 165
NT1 Ytterbium 166
NT1 Ytterbium 177
NT1 Yttrium 86
RT Internal Conversion

INTERNAL ELECTROMAGNETIC PULSES [01]
DA December 1, 1974
BT1 Electromagnetic Pulses
BT2 Electromagnetic Radiation
BT3 Radiations
BT2 Pulses
RT Electron Emission

INTERNAL FRICTION [01]
DA December 1, 1974
UF *Friction (Internal)*
BT1 Friction
RT Bordoni Peak
RT Crystal Defects
RT Damping
RT Hysteresis
RT Viscosity

INTERNAL IONIZATION [01]
DA December 1, 1974
BT1 Ionization
RT Beta Decay

INTERNAL IRRADIATION [01]
DA December 1, 1974
UF+ *Absorbed Fraction (Internal Irradiation)*
UF+ *Effective Energy (Internal Irradiation)*
BT1 Irradiation
RT Dose Commitments
RT Radiation Source Implants
RT Radionuclide Kinetics
RT Unsealed Sources

Internal Medicine
DA December 1, 1974
USE Medicine

INTERNAL PAIR PRODUCTION [01]
DA December 1, 1974
BT1 Pair Production
BT2 Interactions
BT2 Particle Production
RT Decay
RT Gamma Decay
RT Internal Conversion

Internal Revenue Service
DA April 6, 1978
USE US IRS

INTERNAL RING DEVICES [01]
DA December 1, 1974
BT1 Closed Plasma Devices
BT2 Thermonuclear Devices
NT1 FM Devices
NT1 Levitron Devices
NT1 LM Devices
NT1 Spherator
NT1 Stator-B Device
NT1 Tokapole Devices
NT1 Tornado Devices
RT Minimum Average-B Configurations
RT Multipolar Configurations

INTERNAL WAVES
DA February 23, 1982
RT Energy Transfer
RT Water Waves
RT Wave Propagation
DEF A wave motion of a stably stratified fluid in which the maximum vertical motion takes place below the surface of the fluid.

International Affairs
DA May 6, 1980
USE International Relations

INTERNATIONAL AGREEMENTS [01]
(Including agreements involving international organizations.)
DA December 1, 1974
BT1 Agreements
NT1 Atomic Energy Agreements
NT1 BCOCLMCNM
NT1 BCOLONS
NT1 BCSTPC
NT1 Bilateral Agreements
NT1 CANARE
NT1 CENNA
NT1 CPPNM
NT1 IAEA Agreements
NT1 LCPMPDPW
NT1 Multilateral Agreements
NT1 PCOTPL
NT1 SOLAS Convention
NT1 VCOCLND
RT Coordinated Research Programs
RT Foreign Policy
RT International Cooperation
RT International Relations
RT North Star Project
RT Nuclear Freeze
RT Rarotonga Treaty

International Atomic Energy Agency
DA December 1, 1974
USE IAEA

International Commission Radiation Units
DA December 1, 1974
USE ICRU

International Commission Radiological Protection
DA December 1, 1974
USE ICRP

INTERNATIONAL CONTROL [01]
DA December 1, 1974
BT1 Atomic Energy Control
BT2 Control
RT International Cooperation

INTERNATIONAL COOPERATION [01]
DA December 1, 1974
BT1 Cooperation
RT Coordinated Research Programs
RT DUMAND Project
RT Embargoes
RT Euromarket
RT Foreign Policy
RT IFIEC
RT International Agreements
RT International Control
RT International Nuclear Data Committee
RT International Organizations
RT International Relations
RT Military Assistance
RT Multinational Enterprises
RT Multinational Ownership

INTERNATIONAL ENERGY AGENCY [01]
DA March 11, 1976
UF *IEA*
BT1 International Organizations
RT ETDE
RT OECD

International Fusion Superconducting Magnet Test Facility
(IFSMTF)
DA April 8, 1987
USE Large Coil Program

INTERNATIONAL GEOPHYSICAL YEAR [01]
DA December 1, 1974
UF *IGY*
RT Geophysics
RT Sun

International Labour Organization
DA December 1, 1974
USE ILO

INTERNATIONAL LAWS [01]
DA December 1, 1974
BT1 Laws
RT Treaties

INTERNATIONAL MAGNETOSPHERIC STUDY
(The study covers the years 1976-1978.)
DA October 20, 1977
UF *IMS*
RT Earth Magnetosphere
RT Geomagnetic Field

International Maritime Consultative Organization
DA December 1, 1974
USE IMCO

INTERNATIONAL NUCLEAR DATA COMMITTEE
DA January 23, 1978
BT1 International Organizations
RT International Cooperation
RT Nuclear Data Collections
RT US Nuclear Data Network

International Nuclear Information System
DA December 1, 1974
USE INIS

INTERNATIONAL ORGANIZATIONS [01]
DA December 1, 1974
NT1 Arab Atomic Energy Agency
NT1 CCMS
NT1 CERN
NT1 COMECON
NT1 ESA
NT1 ESARDA
NT1 EURODIF
NT1 European Communities
NT2 Common Market
NT2 ECSC
NT2 EURATOM
NT1 FAO
NT1 Foratom
NT1 IAEA
NT2 ICTP
NT2 ILMR
NT2 Seibersdorf IAEA Laboratory
NT1 ICRP
NT1 ICRU
NT1 IFIEC
NT1 ILO
NT1 IMCO
NT1 International Energy Agency
NT1 International Nuclear Data Committee
NT1 IRPA
NT1 ISO
NT1 JINR
NT1 NATO
NT1 OAPEC
NT1 OAS
NT1 OECD
NT2 NEA
NT3 ENEA
NT1 OPEC
NT1 UNESCO
NT1 UNIDO
NT1 United Nations
NT2 UNSCEAR
NT1 Uranium Institute
NT1 WANO
NT1 WHO
RT Coordinated Research Programs
RT International Cooperation
RT Member States
RT National Organizations

INTERNATIONAL QUIET SUN YEAR [01]
DA December 1, 1974
UF *IQSY*
RT Sun

INTERNATIONAL REGULATIONS [01]
DA September 15, 1976
BT1 Regulations
NT1 OECD MCMSDRW

INTERNATIONAL RELATIONS
(Use only when terms INTERNATIONAL AGREEMENTS or INTERNATIONAL COOPERATION cannot be used.)
DA May 6, 1980
UF *International Affairs*
RT Balance Of Power
RT International Agreements
RT International Cooperation
RT SALT Talks
RT Trade

INTERNATIONAL SOLAR MAXIMUM YEAR [01]
(Began in October 1979.)
DA August 4, 1981
RT Solar Cycle
RT Sun

International Standard Organization
DA December 1, 1974
USE ISO

International Tokamak Reactor
DA October 7, 1980
USE INTOR Tokamak

INTERPLANETARY MAGNETIC FIELDS [01]
DA December 1, 1974
BT1 Magnetic Fields
RT Interplanetary Space

INTERPLANETARY SPACE [01]
DA December 1, 1974
BT1 Space
RT Geocorona
RT Interplanetary Magnetic Fields
RT Interstellar Magnetic Fields
RT Solar System
RT Zodiacal Light

INTERPOLATION [01]
DA December 1, 1974
BT1 Numerical Solution
RT Extrapolation
RT Mathematics
RT Spline Functions

Intersecting Beams
DA December 1, 1974
USE Colliding Beams

Intersecting Storage Accelerator
DA December 1, 1974
USE Isabelle Storage Rings

INTERSTELLAR GRAINS [01]
DA December 1, 1974
BT1 Particles
RT Cosmic Dust
RT Cosmic Gases
RT Star Accretion

INTERSTELLAR MAGNETIC FIELDS [01]
DA April 30, 1975
BT1 Magnetic Fields
RT Interplanetary Space

INTERSTELLAR SPACE [01]
DA December 1, 1974
BT1 Space
RT Cosmic Dust
RT Cosmic Gases
RT Milky Way
RT Star Accretion

Interstitial Cell Stim Hormone
DA December 1, 1974
USE LH

→**INTERSTITIAL HELIUM GENERATION [01]**
DA August 14, 1991
UF *Helium Generation*
BT1 Physical Radiation Effects
BT2 Radiation Effects
RT Damaging Neutron Fluence
RT Helium Embrittlement

→**INTERSTITIAL HYDROGEN GENERATION [01]**
DA August 15, 1991
UF *Hydrogen Generation*
BT1 Physical Radiation Effects
BT2 Radiation Effects
RT Damaging Neutron Fluence
RT Hydrogen Embrittlement

INTERSTITIAL WATER
DA August 4, 1976
UF *Formation Water*
BT1 Ground Water
BT2 Water
BT3 Hydrogen Compounds
BT3 Oxygen Compounds
NT1 Connate Water
RT Natural Gas Wells
RT Oil Wells
RT Pore Pressure
RT Reservoir Fluids
RT Reservoir Rock
RT Sandstones
DEF Subsurface water contained in pore spaces between the grains of rock and sediments.

INTERSTITIALS [01]
DA December 1, 1974
BT1 Point Defects
BT2 Crystal Defects
BT3 Crystal Structure
NT1 I Centers
RT Crowdions
RT Varley Mechanism

Interuniversitair Reactor Instituut
DA May 19, 1976
USE IRI

INTERVENORS
DA September 19, 1977
RT Adversaries
RT Decision Making
RT Interest Groups
RT Legal Aspects
RT Mediation

INTERVENTIONS
DA August 25, 1980
BT1 Administrative Procedures

INTESTINAL ABSORPTION [01]
DA December 1, 1974
UF *Absorption (Intestinal)*
BT1 Absorption
BT2 Sorption
BT1 Uptake
RT Digestion
RT Ingestion
RT Oral Administration
RT Portal System
RT Rectal Administration
RT Small Intestine

INTESTINES [01]
DA December 1, 1974
BT1 Gastrointestinal Tract
BT2 Digestive System
BT1 Organs
BT2 Body
NT1 Large Intestine
NT2 Rectum
NT1 Small Intestine
RT Aerobacter

RT Ascaridae
RT Constipation
RT Crypt Cells
RT Diarrhea
RT Enteritis
RT Escherichia Coli
RT Paratyphoid
RT Portal System

INTOR TOKAMAK [01]
(International Tokamak Reactor.)
DA December 10, 1979
UF *International Tokamak Reactor*
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

INTRACELLULAR DIGESTION [01]
DA December 1, 1974
BT1 Digestion
RT Animal Cells
RT Phagocytosis

INTRAMUSCULAR INJECTION [01]
DA December 1, 1974
BT1 Injection
BT2 Intake

Intranuclear Cascades
DA December 1, 1974
USE Nuclear Cascades

INTRAPERITONEAL INJECTION [01]
DA December 1, 1974
BT1 Injection
BT2 Intake
RT Peritoneum

INTRATRACHEAL ADMINISTRATION [01]
DA December 1, 1974
RT Inhalation
RT Radionuclide Administration
RT Trachea

INTRAVENOUS INJECTION [01]
DA December 1, 1974
BT1 Injection
BT2 Intake
RT Veins

INTRINSIC FACTOR [01]
DA December 1, 1974
BT1 Hematinics
BT2 Hematologic Agents
BT3 Drugs
BT1 Mucoproteins
BT2 Polysaccharides
BT3 Saccharides
BT4 Carbohydrates
BT5 Organic Compounds
BT2 Proteins
BT3 Organic Compounds
RT Anemias
RT Hormones
RT Stomach
RT Vitamin B-12

Intrusion
(Prior to October 1990 this was a valid descriptor.)
DA April 6, 1978
SEE Biointrusion
OR Human Intrusion
OR Plutonic Rocks
OR Water Influx

INTRUSION DETECTION SYSTEMS
DA September 10, 1982
SF *Adaptive Intrusion Data Systems*
BT1 Alarm Systems
RT Detection
RT Motion Detection Systems
RT Nuclear Materials Management
RT Physical Protection
RT Safeguards
RT Security

Intrusive Rocks
DA November 13, 1985
USE Plutonic Rocks

INULIN [01]
DA December 1, 1974
BT1 Polysaccharides
BT2 Saccharides
BT3 Carbohydrates
BT4 Organic Compounds
RT Polyacetals

INVAR [01]
DA December 1, 1974
BT1 Iron Base Alloys
BT2 Iron Alloys
BT3 Alloys
BT1 Nickel Alloys
BT2 Alloys

INVARIANCE PRINCIPLES [01]
DA December 1, 1974
NT1 C Invariance
NT1 Charge Independence
NT1 Conformal Invariance
NT1 CP Invariance
NT1 CPT Theorem
NT1 G-Parity Invariance
NT1 Gauge Invariance
NT1 Lorentz Invariance
NT1 P Invariance
NT1 Rotational Invariance
NT1 Scale Invariance
NT1 T Invariance
NT2 Detailed Balance Principle
RT Adiabatic Invariance
RT Basic Interactions
RT Conservation Laws
RT Goldstone Bosons
RT Symmetry

INVARIANT IMBEDDING [01]
DA December 1, 1974
RT Geometry
RT Topology
RT Transport Theory

INVENTION SECRECY ACT
DA April 14, 1980
BT1 Laws
RT National Security
RT Secrecy Protection

INVENTIONS
DA October 23, 1979
RT Grants
RT Patents
RT Technology Transfer

INVENTORIES [01]
DA December 1, 1974
UF *Petroleum Stocks*
UF *Stocks*
RT Accounting
RT Availability
RT Losses
RT Material Balance
RT Material Unaccounted For
RT Shortages
RT Storage

Inverse Pinch Devices (Linear)
DA December 1, 1974
USE Linear Hard Core Pinch Devices

INVERSE SCATTERING PROBLEM [01]
DA December 1, 1974
RT Scattering
DEF Problem of determining scattering potential from phase shifts.

Inversion
DA September 4, 1980
USE Temperature Inversions

INVERTEBRATES [01]
DA December 1, 1974
BT1 Animals
NT1 Annelids
NT1 Arthropods
NT2 Arachnids
NT3 Mites
NT3 Scorpions
NT3 Spiders
NT3 Ticks
NT2 Crustaceans
NT3 Branchiopods
NT4 Artemia
NT4 Daphnia
NT3 Copepods
NT3 Decapods
NT4 Crabs
NT4 Lobsters
NT4 Prawns
NT4 Shrimp
NT2 Insects
NT3 Coleoptera
NT4 Beetles
NT5 Boll Weevil
NT5 Tribolium
NT3 Dictyoptera
NT4 Cockroaches
NT3 Diptera
NT4 Flies
NT5 Fruit Flies
NT6 Ceratitis Capitata
NT6 Dacus
NT7 Dacus Oleae
NT6 Drosophila
NT6 Rhagoletis Cerasi
NT5 Glossina
NT5 Hylemya Antiqua
NT5 Screwworm Fly
NT4 Mosquitoes
NT3 Ephemeroptera
NT3 Hemiptera
NT4 Aphids
NT3 Hymenoptera
NT4 Ants
NT4 Bees
NT4 Wasps
NT5 Habrobracon
NT3 Lepidoptera
NT4 Moths
NT5 Bollworm
NT5 Codling Moth
NT5 Lymantria Dispar
NT5 Rice Stem Borers
NT5 Silkworm
NT3 Orthoptera
NT4 Grasshoppers
NT5 Locusts
NT1 Bryozoa
NT1 Coelenterata
NT2 Cnidaria
NT3 Corals
NT3 Hydra
NT1 Echinoderms
NT2 Sea Urchins
NT1 Molluscs
NT2 Clams
NT2 Mussels
NT2 Oysters
NT2 Snails
NT1 Protozoa
NT2 Ciliata
NT3 Paramecium
NT3 Tetrahymena
NT2 Mastigophora
NT3 Dinoflagellate
NT3 Euglena
NT3 Trypanosoma
NT2 Sarcodina
NT3 Amoeba
NT3 Foraminifera
NT2 Sporozoa
NT3 Babesidae
NT3 Plasmodium
NT1 Rotifera
RT Disease Vectors
RT Parasites
RT Pathogens

INVERTED STEPANOV METHOD
DA February 11, 1980
SF *Stepanov Method*
BT1 Crystal Growth Methods
RT Crystal Growth
RT EFG Method
RT Sheets
DEF An edge-defined film-growth method which uses nonwetted dies.

INVERTERS [01]
DA August 19, 1975
UF *DC to AC Inverters*

BT1 Electrical Equipment
BT2 Equipment
RT DC to DC Converters
RT Power Conditioning Circuits
RT Power Supplies

INVESTIGATIONS
DA July 9, 1980
BT1 Administrative Procedures
RT Legal Aspects

INVESTMENT [01]
DA December 1, 1974
RT Capital
RT Cost
RT Credit Accounts
RT Diversification
RT Economics
RT Euromarket
RT Financing
RT Interest Rate
RT Payback Period
RT Property Values

Inviscid Flow
DA June 12, 1975
USE Ideal Flow

INVOICES [01]
DA December 1, 1974
RT Accounting
RT Charges
DEF Itemized lists of goods shipped, usually specifying the price and the terms of sale.

IODATES [01]
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
DA December 1, 1974
BT1 Iodine Compounds
BT2 Halogen Compounds
BT1 Oxygen Compounds
RT Iodic Acid

Iodex Process
DA February 13, 1975
USE Iodox Process

IODIC ACID [01]
DA December 1, 1974
BT1 Inorganic Acids
BT2 Hydrogen Compounds
BT1 Iodine Compounds
BT2 Halogen Compounds
BT1 Oxygen Compounds
RT Iodates

IODIDES [01]
DA December 1, 1974
BT1 Halides
BT2 Halogen Compounds
BT1 Iodine Compounds
BT2 Halogen Compounds
NT1 Aluminium Iodides
NT1 Americium Iodides
NT1 Antimony Iodides
NT1 Argon Iodides
NT1 Arsenic Iodides
NT1 Astatine Iodides
NT1 Barium Iodides
NT1 Berkelium Iodides
NT1 Beryllium Iodides
NT1 Bismuth Iodides
NT1 Boron Iodides
NT1 Cadmium Iodides
NT1 Calcium Iodides
NT1 Californium Iodides
NT1 Cerium Iodides
NT1 Cesium Iodides
NT1 Chromium Iodides
NT1 Cobalt Iodides
NT1 Copper Iodides
NT1 Curium Iodides
NT1 Dysprosium Iodides
NT1 Einsteinium Iodides
NT1 Erbium Iodides
NT1 Europium Iodides
NT1 Fermium Iodides
NT1 Francium Iodides
NT1 Gadolinium Iodides
NT1 Gallium Iodides
NT1 Germanium Iodides
NT1 Gold Iodides
NT1 Hafnium Iodides
NT1 Holmium Iodides
NT1 Indium Iodides
NT1 Iron Iodides
NT1 Lanthanum Iodides
NT1 Lead Iodides
NT1 Lithium Iodides
NT1 Lutetium Iodides
NT1 Magnesium Iodides
NT1 Manganese Iodides
NT1 Mercury Iodides
NT1 Molybdenum Iodides
NT1 Neodymium Iodides
NT1 Neon Iodides
NT1 Neptunium Iodides
NT1 Nickel Iodides
NT1 Niobium Iodides
NT1 Nitrogen Iodides
NT1 Palladium Iodides
NT1 Phosphorus Iodides
NT1 Platinum Iodides
NT1 Plutonium Iodides
NT1 Polonium Iodides
NT1 Potassium Iodides
NT1 Praseodymium Iodides
NT1 Promethium Iodides
NT1 Protactinium Iodides
NT1 Rhenium Iodides
NT1 Rubidium Iodides
NT1 Samarium Iodides
NT1 Scandium Iodides
NT1 Selenium Iodides
NT1 Silicon Iodides
NT1 Silver Iodides
NT1 Sodium Iodides
NT1 Strontium Iodides
NT1 Tantalum Iodides
NT1 Technetium Iodides
NT1 Tellurium Iodides
NT1 Terbium Iodides
NT1 Thallium Iodides
NT1 Thorium Iodides
NT1 Thulium Iodides
NT1 Tin Iodides
NT1 Titanium Iodides
NT1 Tungsten Iodides
NT1 Uranium Iodides
NT1 Vanadium Iodides
NT1 Xenon Iodides
NT1 Ytterbium Iodides
NT1 Yttrium Iodides
NT1 Zinc Iodides
NT1 Zirconium Iodides
RT Hydriodic Acid
RT Oxyiodides

IODINATED ALICYCLIC HYDROCARBONS
DA February 5, 1975
BT1 Halogenated Alicyclic Hydrocarbons
BT2 Organic Halogen Compounds
BT3 Organic Compounds
BT1 Organic Iodine Compounds
BT2 Organic Halogen Compounds
BT3 Organic Compounds

IODINATED ALIPHATIC HYDROCARBONS
DA February 5, 1975
BT1 Halogenated Aliphatic Hydrocarbons
BT2 Organic Halogen Compounds
BT3 Organic Compounds
BT1 Organic Iodine Compounds
BT2 Organic Halogen Compounds
BT3 Organic Compounds
NT1 Iodoform
NT1 Methyl Iodide

IODINATED AROMATIC HYDROCARBONS [01]
DA February 5, 1975
BT1 Halogenated Aromatic Hydrocarbons
BT2 Aromatics
BT3 Organic Compounds
BT2 Organic Halogen Compounds
BT3 Organic Compounds
BT1 Organic Iodine Compounds
BT2 Organic Halogen Compounds
BT3 Organic Compounds

IODINATION [01]
DA December 1, 1974
BT1 Halogenation
BT2 Chemical Reactions
RT Deiodination

IODINE [01]
DA December 1, 1974
UF *Iodine Iodides*
BT1 Halogens
BT2 Nonmetals
BT3 Elements
RT Iodine Additions
RT Iodox Process
RT Lugol
RT Thyroglobulin
RT Thyroid
RT Thyroid Hormones

→**IODINE 108 [01]**
DA April 9, 1991
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iodine Isotopes
BT2 Isotopes
BT1 Microsec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

IODINE 109 [01]
DA July 10, 1984
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iodine Isotopes
BT2 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Proton Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

IODINE 110 [01]
DA April 28, 1978
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iodine Isotopes
BT2 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

IODINE 111 [01]
DA April 28, 1978
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iodine Isotopes
BT2 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

IODINE 112 [01]
DA April 28, 1978
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iodine Isotopes
BT2 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

IODINE 113 [01]
DA April 28, 1978
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iodine Isotopes
BT2 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

IODINE 114 [01]
DA March 8, 1978
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iodine Isotopes
BT2 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

IODINE 115 [01]
DA January 20, 1975
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iodine Isotopes
BT2 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

IODINE 116 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iodine Isotopes
BT2 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Microsec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

IODINE 117 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iodine Isotopes
BT2 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

IODINE 118 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iodine Isotopes
BT2 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

IODINE 119 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iodine Isotopes
BT2 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

IODINE 120 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iodine Isotopes
BT2 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

IODINE 121 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iodine Isotopes
BT2 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Microsec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

IODINE 122 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iodine Isotopes
BT2 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Microsec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

IODINE 123 [01]
DA December 1, 1974
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iodine Isotopes
BT2 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

IODINE 124 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iodine Isotopes
BT2 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

IODINE 125 [01]
DA December 1, 1974

BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Iodine Isotopes
BT2 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

IODINE 126 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iodine Isotopes
BT2 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

IODINE 127 [01]
DA December 1, 1974
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iodine Isotopes
BT2 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

IODINE 127 BEAMS [01]
DA May 25, 1979
BT1 Ion Beams
BT2 Beams

IODINE 127 REACTIONS [01]
DA May 8, 1984
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

IODINE 127 TARGET [01]
DA July 9, 1976
BT1 Targets

IODINE 128 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iodine Isotopes
BT2 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

IODINE 128 TARGET [01]
DA August 20, 1984
BT1 Targets

IODINE 129 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Iodine Isotopes
BT2 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

IODINE 129 TARGET [01]
DA July 9, 1976
BT1 Targets

IODINE 130 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Iodine Isotopes
BT2 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

IODINE 131 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iodine Isotopes
BT2 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

IODINE 132 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Iodine Isotopes
BT2 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

IODINE 133 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Iodine Isotopes
BT2 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

IODINE 134 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iodine Isotopes
BT2 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

IODINE 135 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iodine Isotopes
BT2 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

IODINE 136 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iodine Isotopes
BT2 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes

BT2 Radioisotopes
BT3 Isotopes

IODINE 137 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iodine Isotopes
BT2 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

IODINE 138 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iodine Isotopes
BT2 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

IODINE 139 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iodine Isotopes
BT2 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

IODINE 140 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iodine Isotopes
BT2 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

IODINE 141 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iodine Isotopes
BT2 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

IODINE 142 [01]
DA July 3, 1986
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iodine Isotopes
BT2 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

IODINE ADDITIONS [01]
DA September 15, 1976
RT Iodine

IODINE BROMIDES [01]
DA December 1, 1974
UF *Bromine Iodides*
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Iodine Compounds
BT2 Halogen Compounds

IODINE CHLORIDES [01]
DA December 1, 1974
UF *Chlorine Iodides*
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Iodine Compounds
BT2 Halogen Compounds

IODINE COMPLEXES [01]
DA December 1, 1974
BT1 Complexes

IODINE COMPOUNDS [01]
DA December 1, 1974
BT1 Halogen Compounds
NT1 Hydriodic Acid
NT1 Hypoiodous Acid
NT1 Iodates
NT1 Iodic Acid
* NT1 Iodides
NT1 Iodine Bromides
NT1 Iodine Chlorides
NT1 Iodine Fluorides
NT1 Iodine Oxides
NT1 Oxyiodides
NT1 Periodates
NT1 Periodic Acid
RT Organic Iodine Compounds

IODINE FLUORIDES [01]
DA December 1, 1974
UF *Fluorine Iodides*
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Iodine Compounds
BT2 Halogen Compounds

Iodine Iodides
DA December 1, 1974
USE Iodine

IODINE IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

IODINE ISOTOPES [01]
DA December 1, 1974
BT1 Isotopes
NT1 Iodine 108
NT1 Iodine 109
NT1 Iodine 110
NT1 Iodine 111
NT1 Iodine 112
NT1 Iodine 113
NT1 Iodine 114
NT1 Iodine 115
NT1 Iodine 116
NT1 Iodine 117
NT1 Iodine 118
NT1 Iodine 119
NT1 Iodine 120
NT1 Iodine 121
NT1 Iodine 122
NT1 Iodine 123
NT1 Iodine 124
NT1 Iodine 125
NT1 Iodine 126
NT1 Iodine 127
NT1 Iodine 128
NT1 Iodine 129
NT1 Iodine 130
NT1 Iodine 131
NT1 Iodine 132
NT1 Iodine 133
NT1 Iodine 134
NT1 Iodine 135
NT1 Iodine 136
NT1 Iodine 137
NT1 Iodine 138
NT1 Iodine 139
NT1 Iodine 140
NT1 Iodine 141
NT1 Iodine 142

IODINE NUMBER
DA April 15, 1975
RT Chemical Composition
DEF A measure of the unsaturation of a substance (as an oil or fat).

IODINE OXIDES [01]
DA December 1, 1974
BT1 Iodine Compounds
BT2 Halogen Compounds
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds
RT Oxyiodides

IODOCHLOROQUINE [01]
DA September 22, 1981
BT1 Organic Chlorine Compounds
BT2 Organic Halogen Compounds
BT3 Organic Compounds
BT1 Organic Iodine Compounds
BT2 Organic Halogen Compounds
BT3 Organic Compounds
RT Radiopharmaceuticals

IODODEOXYURIDINE [01]
DA May 5, 1975
UF *IUDR*
BT1 Iodouracils
BT2 Antimetabolites
BT3 Drugs
BT2 Organic Iodine Compounds
BT3 Organic Halogen Compounds
BT4 Organic Compounds
BT2 Uracils
BT3 Hydroxy Compounds
BT4 Organic Compounds
BT3 Pyrimidines
BT4 Azines
BT5 Heterocyclic Compounds
BT6 Organic Compounds
BT5 Organic Nitrogen Compounds
BT6 Organic Compounds
BT1 Nucleosides
BT2 Nucleotides
BT3 Organic Compounds
BT2 Ribosides
RT Deoxyuridine

IODOFORM [01]
DA December 1, 1974
BT1 Iodinated Aliphatic Hydrocarbons
BT2 Halogenated Aliphatic Hydrocarbons
BT3 Organic Halogen Compounds
BT4 Organic Compounds
BT2 Organic Iodine Compounds
BT3 Organic Halogen Compounds
BT4 Organic Compounds

Iodohippurate-Na
DA August 12, 1980
USE Hippuran

IODOMETRY [01]
DA December 1, 1974

BT1 Titration
RT Quantitative Chemical Analysis

Iodopyracet
DA December 1, 1974
USE Diodrast

IODOURACILS [01]
DA December 1, 1974
BT1 Antimetabolites
BT2 Drugs
BT1 Organic Iodine Compounds
BT2 Organic Halogen Compounds
BT3 Organic Compounds
BT1 Uracils
BT2 Hydroxy Compounds
BT3 Organic Compounds
BT2 Pyrimidines
BT3 Azines
BT4 Heterocyclic Compounds
BT5 Organic Compounds
BT4 Organic Nitrogen Compounds
BT5 Organic Compounds
NT1 Iododeoxyuridine

IODOX PROCESS [01]
DA January 28, 1975
UF *Iodex Process*
BT1 Radioactive Waste Processing
BT2 Radioactive Waste Management
BT3 Waste Management
BT4 Management
BT2 Waste Processing
BT3 Processing
BT3 Waste Management
BT4 Management
RT Iodine
RT Reprocessing

IOGLYCAMIC ACID [01]
DA December 16, 1975
BT1 Acetamide
BT2 Amides
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
BT1 Contrast Media
BT1 Ethers
BT2 Organic Oxygen Compounds
BT3 Organic Compounds
BT1 Monocarboxylic Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT1 Organic Iodine Compounds
BT2 Organic Halogen Compounds
BT3 Organic Compounds

IOHEXOL [01]
DA July 20, 1983
BT1 Contrast Media

ION ACOUSTIC WAVES [01]
(Non-dispersive ion waves)
DA December 1, 1974
UF *Non-Dispersive Ion Waves*
BT1 Ion Waves
BT2 Plasma Waves
RT Sonic Probes

ION-ATOM COLLISIONS [01]
DA December 1, 1974
BT1 Atom Collisions
BT2 Collisions
BT1 Ion Collisions
BT2 Collisions
RT Electron-Promotion Model

ION BEAM FUSION REACTORS [01]
DA February 9, 1983
UF *I-Beam Type Reactors*
UF *Ion Beam Type Reactors*
BT1 Thermonuclear Reactors
RT Energy Deposition
RT Inertial Confinement
RT Particle Beam Fusion Accelerator

ION BEAM INJECTION [01]
DA December 1, 1974
BT1 Beam Injection
NT1 Molecular Ion Beam Injection

ION BEAM TARGETS [01]
DA September 11, 1978
BT1 Targets
RT Electron Beam Targets
RT Energy Deposition
RT Inertial Confinement
RT Laser Targets
RT Thermonuclear Fuels

Ion Beam Type Reactors
DA September 15, 1976
USE Ion Beam Fusion Reactors

ION BEAMS [01]
DA December 1, 1974
BT1 Beams
NT1 Aluminium 27 Beams
NT1 Argon 38 Beams
NT1 Argon 40 Beams
NT1 Beryllium 9 Beams
NT1 Bismuth 209 Beams
NT1 Boron 10 Beams
NT1 Boron 11 Beams
NT1 Bromine 79 Beams
NT1 Calcium 40 Beams
NT1 Calcium 48 Beams
NT1 Carbon 12 Beams
NT1 Carbon 13 Beams
NT1 Chlorine 35 Beams
NT1 Chlorine 37 Beams
NT1 Copper 63 Beams
NT1 Deuteron Beams
NT1 Fluorine 19 Beams
NT1 Gadolinium 155 Beams
NT1 Germanium 74 Beams
NT1 Germanium 76 Beams
NT1 Gold 197 Beams
NT1 Helium 3 Beams
NT1 Helium 4 Beams
NT2 Alpha Beams
NT1 Hydrogen 1 Minus Beams
NT1 Iodine 127 Beams
NT1 Iron 56 Beams
NT1 Iron 58 Beams
NT1 Krypton 84 Beams
NT1 Krypton 86 Beams
NT1 Lanthanum 139 Beams
NT1 Lead 208 Beams
NT1 Lithium 6 Beams
NT1 Lithium 7 Beams
NT1 Magnesium 24 Beams
NT1 Neon 20 Beams
NT1 Neon 22 Beams
NT1 Nickel 58 Beams
NT1 Nickel 60 Beams
NT1 Nitrogen 14 Beams
NT1 Nitrogen 15 Beams
NT1 Oxygen 16 Beams
NT1 Oxygen 18 Beams
NT1 Phosphorus 31 Beams
NT1 Potassium 39 Beams
NT1 Potassium 41 Beams
* NT1 Radioactive Ion Beams
NT1 Silicon 28 Beams
NT1 Silicon 29 Beams
NT1 Silver 107 Beams
NT1 Sodium 23 Beams
NT1 Sulfur 32 Beams
NT1 Tin 120 Beams
NT1 Titanium 48 Beams
NT1 Titanium 50 Beams
NT1 Tungsten 184 Beams
NT1 Xenon 129 Beams
NT1 Xenon 131 Beams
NT1 Xenon 132 Beams
NT1 Xenon 136 Beams
RT Anions
RT Beam Strippers
RT Cations
RT Charge Distribution
RT Heavy Ions
RT Ion Implantation
RT Ion Probes
RT Ion Scattering Analysis
RT Ion Spectroscopy
RT Ions
RT Learn Tandem Accelerator
RT Light Ions
RT Migma Devices
RT Particle Beams
RT Sputtering

Ion Blocking
DA December 1, 1974
USE Ion Channeling

ION CHANNELING [01]
DA December 1, 1974
UF *Ion Blocking*
BT1 Channeling
RT Crystal Lattices
RT Ions

Ion Clusters
DA December 1, 1974
USE Ion Pairs

ION COLLISIONS [01]
DA December 1, 1974
BT1 Collisions
NT1 Electron-Ion Collisions
NT1 Ion-Atom Collisions
NT1 Ion-Ion Collisions
NT1 Ion-Molecule Collisions
NT1 Photon-Ion Collisions
NT1 Positron-Ion Collisions

ION CYCLOTRON-RESONANCE [01]
DA January 27, 1984
UF *ICR*
BT1 Cyclotron Resonance
BT2 Resonance
RT ICR Heating

Ion Cyclotron-Resonance Heating
DA December 1, 1974
USE ICR Heating

ION CYCLOTRON RESONANCE SPECTROSCOPY
DA March 22, 1976
BT1 Ion Spectroscopy
BT2 Spectroscopy
RT Cyclotron Resonance

ION DENSITY [01]
DA December 1, 1974
RT Ions

ION DETECTION [01]
DA December 1, 1974
BT1 Charged Particle Detection
BT2 Radiation Detection
BT3 Detection
RT Heavy Ions
RT Ion Dosimetry
RT Ions
RT Light Ions

ION DOSIMETRY [01]
DA December 1, 1974
BT1 Dosimetry
RT Ion Detection

Ion-Drag Accelerators
DA December 1, 1974
USE Electron-Ring Accelerators

ION DRIFT [01]
DA December 1, 1974
UF *Drift (Ion)*
RT Ambipolar Diffusion
RT Ions

ION EMISSION [01]
DA December 1, 1974
BT1 Emission
RT Field Emission

ION EXCHANGE [01]
DA December 1, 1974
UF *Exchange (Ion)*
UF+ *Cation Exchange Capacity*
RT Demineralization
RT Desalination
RT Distribution Functions
RT Ion Exchange Chromatography
RT OPIX Process
RT Separation Processes

ION EXCHANGE CHROMATOGRAPHY [01]
DA December 1, 1974
BT1 Chromatography

BT2 Separation Processes
RT Distribution Functions
RT Ion Exchange
RT Ion Exchange Materials
RT Leaching
RT Resins

ION EXCHANGE MATERIALS [01]
DA December 1, 1974
UF *Decalso*
UF+ *Ion Exchange Membranes*
BT1 Materials
NT1 Inorganic Ion Exchangers
NT2 Bentonite
NT2 Montmorillonite
NT2 Mullite
NT2 Vermiculite
NT2 Zeolites
NT3 Analcime
NT3 Clinoptilolite
NT3 Faujasite
NT3 Heulandite
NT3 Laumontite
NT3 Mordenite
NT3 Wairakite
NT1 Liquid Ion Exchangers
NT1 Mixed Bed Ion Exchangers
NT1 Organic Ion Exchangers
NT2 Polystyrene-DVB
RT Anions
RT Cations
RT Graft Polymers
RT Ion Exchange Chromatography
RT Leaching
RT Resins
RT Silica Gel

Ion Exchange Membranes
DA December 1, 1974
USE Ion Exchange Materials
AND Membranes

ION IMPLANTATION [01]
DA December 1, 1974
RT Crystal Doping
RT Crystals
RT Doped Materials
RT Inclusions
RT Ion Beams
RT Ions
RT Trace Amounts

ION-ION COLLISIONS [01]
DA December 1, 1974
BT1 Ion Collisions
BT2 Collisions

ION MICROPROBE ANALYSIS [01]
DA January 20, 1975
UF+ *SIMS*
BT1 Microanalysis
BT1 Nondestructive Analysis
BT2 Chemical Analysis
RT Ion Probes

ION MICROSCOPES [01]
DA December 1, 1974
BT1 Microscopes

ION MICROSCOPY [01]
DA December 1, 1974
UF *Field Emission Microscopy*
UF *Field Ion Microscopy*
BT1 Microscopy
RT Field Emission

ION MOBILITY [01]
DA July 29, 1975
BT1 Particle Mobility
BT2 Mobility
RT Ions

ION-MOBILITY DETECTORS
DA March 4, 1980
BT1 Measuring Instruments
RT Drift Chambers
RT Gas Analysis
RT Ionization Chambers
DEF Ionization chambers with a corona discharge ionization source for vapor analysis.

ION-MOLECULE COLLISIONS [01]
DA December 1, 1974
BT1 Ion Collisions
BT2 Collisions
BT1 Molecule Collisions
BT2 Collisions

ION-NEUTRALIZATION SPECTROSCOPY
DA January 20, 1975
BT1 Spectroscopy

ION PAIRS [01]
DA December 1, 1974
UF *Clusters (Ion)*
UF *Ion Clusters*
RT Atomic Clusters
RT Ions
RT Pair Production

ION PLASMA WAVES [01]
(Dispersive ion waves)
DA December 1, 1974
UF *Dispersive Ion Waves*
BT1 Ion Waves
BT2 Plasma Waves

ION PROBES [01]
DA December 1, 1974
BT1 Probes
RT Chemical Analysis
RT Deuteron Probes
RT Ion Beams
RT Ion Microprobe Analysis
RT Ion Sources
RT Proton Probes
RT Secondary Beams
RT Secondary Emission

ION PROPULSION [01]
DA April 19, 1976
BT1 Propulsion

ION RINGS [01]
DA August 24, 1976
RT Confinement
RT Magnetic Confinement
RT Minimum-B Configurations

ION SCATTERING ANALYSIS [01]
DA December 1, 1974
BT1 Nondestructive Analysis
BT2 Chemical Analysis
RT Ion Beams
RT Radiation Scattering Analysis
RT Scattering

ION SELECTIVE ELECTRODE ANALYSIS [01]
DA May 5, 1975
BT1 Chemical Analysis
RT Electrodes

ION-SELECTIVE ELECTRODES
DA July 27, 1982
BT1 Electrodes

ION SOURCES [01]
DA December 1, 1974
NT1 Alpha Sources
NT1 Duoplasmatrons
NT1 Electron Beam Ion Sources
NT1 Penning Ion Sources
NT1 Triplasmatrons
RT Atomic Beam Sources
RT Ion Probes
RT Ions
RT Neutral Beam Sources
RT Particle Sources

ION SPECTROSCOPY [01]
DA December 1, 1974
UF *Beam-Foil Spectroscopy*
UF *Beam-Gas Spectroscopy*
BT1 Spectroscopy
NT1 Ion Cyclotron Resonance Spectroscopy
RT Ion Beams

ION TEMPERATURE [01]
DA December 1, 1974
UF *Temperature (Ion)*
RT Energy
RT Ions

ION THRUSTERS [01]
DA December 16, 1975
BT1 Thrusters
RT Propulsion
RT Surface Ionization

ION WAVE INSTABILITY [01]
DA December 1, 1974
BT1 Plasma Microinstabilities
BT2 Plasma Instability
BT3 Instability

ION WAVES [01]
DA December 1, 1974
BT1 Plasma Waves
NT1 Ion Acoustic Waves
NT1 Ion Plasma Waves

IONIC COMPOSITION [01]
DA December 1, 1974
RT Chemical Composition
RT Ionosphere
RT Ions
RT Plasma

IONIC CONDUCTIVITY [01]
DA December 1, 1974
BT1 Electric Conductivity
BT2 Electrical Properties
BT3 Physical Properties

IONIC CRYSTALS [01]
DA December 1, 1974
BT1 Crystals

IONIC POTENTIAL
DA February 23, 1979
RT Molecular Structure
RT Valence
DEF Valence divided by ionic radius.

Ionic Reactions
DA December 1, 1974
USE Chemical Reactions
AND Ions

IONICS ELECTROLYTIC REGENERATION PROCESS
DA April 12, 1977
RT Denitrification
RT Desulfurization
RT Waste Processing
DEF Electrolytic cell technology to convert sodium sulfate solution to caustic and sulfuric acid. Sulfate ions formed by oxidation are purged from the scrubbing loop as dilute sulfuric acid.

IONIZATION [01]
DA December 1, 1974
UF *Discharges (Ionization)*
NT1 Autoionization
NT1 Coulomb Ionization
NT1 Inner-Shell Ionization
NT1 Internal Ionization
NT1 Photoionization
NT1 Surface Ionization
NT2 Adiabatic Surface Ionization
RT Beam Neutralization
RT Bragg Curve
RT Buildup
RT Charge Exchange
RT Dissociation
RT Electron Attachment
RT Electron Detachment
RT Electron Loss
RT Energy Absorption
RT Energy Deposition
RT Energy Losses
RT Fano Factor
RT Ionization Potential
RT Ionizing Radiations
RT Jesse Effect
RT Kerma
RT LET
RT Penning Effect
RT Plasma Production

RT Radiation Quality
RT Wall Effects

Ionization Calorimeters
DA April 29, 1975
USE Shower Counters

IONIZATION CHAMBERS [01]
DA December 1, 1974
BT1 Radiation Detectors
BT2 Measuring Instruments
NT1 Boron Coated Ion Chambers
NT1 Bragg Gray Chambers
NT1 Condenser Ionization Chambers
NT1 Extrapolation Chambers
NT1 Fission Chambers
NT1 Liquid Ionization Chambers
NT1 Multiwire Ionization Chambers
NT1 Wall-Less Counters
RT Avalanche Quenching
RT Campbelling Circuits
RT Electron-Capture Detectors
RT Ion-Mobility Detectors
RT Multiwire Proportional Chambers
RT Wall Effects

IONIZATION FRONT ACCELERATORS [01]
DA May 25, 1979
BT1 Collective Accelerators
BT2 Accelerators
DEF Collective effect accelerator that produces controlled motion of a potential well at the head of an intense relativistic electron beam.

IONIZATION GAGES [01]
DA December 1, 1974
BT1 Vacuum Gages
BT2 Pressure Gages
BT3 Measuring Instruments
NT1 Bayard-Alpert Gages
NT1 Philips Gages
NT1 Radioactive Ionization Gages

Ionization Loss
DA December 1, 1974
USE Energy Losses

IONIZATION POTENTIAL [01]
DA December 1, 1974
RT Binding Energy
RT Electric Potential
RT Electronegativity
RT Ionization

IONIZED GASES [01]
DA December 1, 1974
BT1 Gases
BT2 Fluids
NT1 Fully Ionized Gases
NT2 Lorentz Gas
NT1 Strongly Ionized Gases
NT1 Weakly Ionized Gases
RT Fokker-Planck Equation
RT Plasma

IONIZING RADIATIONS [01]
DA December 1, 1974
BT1 Radiations
NT1 Cosmic Radiation
NT2 Cosmic Neutrinos
NT2 Cosmic Photons
NT2 Cosmic Protons
NT2 Hard Component
NT2 Primary Cosmic Radiation
NT3 Cosmic Alpha Particles
NT3 Cosmic Gamma Bursts
NT3 Cosmic Nuclei
NT3 Cosmic X-Ray Bursts
NT2 Secondary Cosmic Radiation
NT3 Cosmic Electrons
NT3 Cosmic Kaons
NT3 Cosmic Muons
NT3 Cosmic Neutrons
NT3 Cosmic Pions
NT3 Cosmic Positrons
NT3 Cosmic Showers
NT4 Extensive Air Showers
NT2 Soft Component
NT1 Gamma Radiation
NT2 Delayed Gamma Radiation
NT2 Prompt Gamma Radiation
NT1 X Radiation
NT2 Hard X Radiation
NT2 Soft X Radiation
RT Buildup
RT Delta Rays
RT Energy Losses
RT Environmental Exposure
RT Ionization
RT Mutagens
RT Occupational Exposure
RT Teratogens

IONOGRAPHIC IMAGING [01]
DA August 24, 1976
BT1 Biomedical Radiography
BT2 Diagnostic Techniques
BT2 Radiology
BT3 Nuclear Medicine
BT4 Medicine
DEF A process whereby a pattern of electrical charges is formed on a foil by the accumulation of ions from a gas of high atomic number ionized by the incident radiation.

Ionophoresis
DA December 1, 1974
USE Electrophoresis

IONOSONDES [01]
DA December 1, 1974
BT1 Radio Equipment
BT2 Electronic Equipment
BT3 Equipment
RT Measuring Instruments
RT Space Vehicles

IONOSPHERE [01]
DA December 1, 1974
BT1 Earth Atmosphere
BT1 Planetary Ionospheres
NT1 C Region
NT1 D Region
NT1 E Region
NT2 Sporadic E
NT1 F Region
NT2 F1 Layer
NT2 F2 Layer
NT2 Spread F
RT Auroral Hiss
RT Auroral Oval
RT Auroral Zones
RT Critical Frequency
RT Harang Discontinuity
RT Ionic Composition
RT Ionospheric Effects
RT Midday Aurorae
RT Polar-Cap Aurorae
RT Polar Cusp
RT Scale Height
RT Sudden Ionospheric Disturbance
RT Travelling Ionospheric Disturbance
RT Virtual Height

IONOSPHERIC EFFECTS
DA May 12, 1982
RT Atmospheric Explosions
RT Disturbances
RT Ionosphere
RT Ionospheric Storms
RT Surface Explosions

IONOSPHERIC STORMS [01]
DA January 20, 1975
NT1 Sudden Ionospheric Disturbance
NT1 Travelling Ionospheric Disturbance
RT F Region
RT Ionospheric Effects
RT Magnetic Storms

IONS [01]
(Ions in solutions are indexed as compounds; ions in gases by the precoordinated descriptor consisting of the element name and the term ions; ions in beams by assigning either the specific name if available, e.g. ARGON 40 BEAMS or the isotope name together with ION BEAMS.)
DA December 1, 1974
UF+ *Ionic Reactions*
BT1 Charged Particles
NT1 Actinium Ions
NT1 Aluminium Ions
NT1 Americium Ions
NT1 Anions
NT2 Carbanions
NT2 Heteropolyanions
NT2 Hydrogen Ions 1 Minus
NT1 Antimony Ions
NT1 Argon Ions
NT1 Arsenic Ions
NT1 Astatine Ions
NT1 Atomic Ions
NT1 Barium Ions
NT1 Berkelium Ions
NT1 Beryllium Ions
NT1 Bismuth Ions
NT1 Boron Ions
NT1 Bromine Ions
NT1 Cadmium Ions
NT1 Calcium Ions
NT1 Californium Ions
NT1 Carbon Ions
NT1 Cations
NT2 Hydrogen Ions 1 Plus
NT2 Hydrogen Ions 2 Plus
NT2 Hydrogen Ions 3 Plus
NT1 Cerium Ions
NT1 Cesium Ions
NT1 Chlorine Ions
NT1 Chromium Ions
NT1 Cobalt Ions
NT1 Copper Ions
NT1 Curium Ions
NT1 Deuterium Ions
NT1 Dysprosium Ions
NT1 Einsteinium Ions
NT1 Erbium Ions
NT1 Europium Ions
NT1 Fermium Ions
NT1 Fluorine Ions
NT1 Francium Ions
NT1 Gadolinium Ions
NT1 Gallium Ions
NT1 Germanium Ions
NT1 Gold Ions
NT1 Hafnium Ions
NT1 Heavy Ions
NT1 Helium Ions
NT2 Helium Ash
NT1 Holmium Ions
NT1 Hydrogen Ions
NT2 Hydrogen Ions 1 Minus
NT2 Hydrogen Ions 1 Plus
NT2 Hydrogen Ions 2 Plus
NT2 Hydrogen Ions 3 Plus
NT1 Indium Ions
NT1 Iodine Ions
NT1 Iridium Ions
NT1 Iron Ions
NT1 Krypton Ions
NT1 Lanthanum Ions
NT1 Lead Ions
NT1 Light Ions
NT1 Lithium Ions
NT1 Lutetium Ions
NT1 Magnesium Ions
NT1 Manganese Ions
NT1 Mendelevium Ions
NT1 Mercury Ions
NT1 Molecular Ions
NT2 Hydrogen Ions 2 Plus
NT2 Hydrogen Ions 3 Plus
NT2 Oxonium Ions
NT1 Molybdenum Ions
NT1 Multicharged Ions
NT1 Muonic Ions
NT1 Neodymium Ions
NT1 Neon Ions
NT1 Neptunium Ions
NT1 Nickel Ions
NT1 Niobium Ions
NT1 Nitrogen Ions
NT1 Nobelium Ions
NT1 Osmium Ions
NT1 Oxygen Ions
NT1 Palladium Ions
NT1 Phosphorus Ions
NT1 Platinum Ions

NT1 Plutonium Ions
NT1 Polonium Ions
NT1 Potassium Ions
NT1 Praseodymium Ions
NT1 Promethium Ions
NT1 Protactinium Ions
NT1 Radium Ions
NT1 Radon Ions
NT1 Rhenium Ions
NT1 Rhodium Ions
NT1 Rubidium Ions
NT1 Ruthenium Ions
NT1 Samarium Ions
NT1 Scandium Ions
NT1 Selenium Ions
NT1 Silicon Ions
NT1 Silver Ions
NT1 Sodium Ions
NT1 Strontium Ions
NT1 Sulfur Ions
NT1 Tantalum Ions
NT1 Technetium Ions
NT1 Tellurium Ions
NT1 Terbium Ions
NT1 Thallium Ions
NT1 Thorium Ions
NT1 Thulium Ions
NT1 Tin Ions
NT1 Titanium Ions
NT1 Tritium Ions
NT1 Tungsten Ions
NT1 Uranium Ions
NT1 Vanadium Ions
NT1 Xenon Ions
NT1 Ytterbium Ions
NT1 Yttrium Ions
NT1 Zinc Ions
NT1 Zirconium Ions
RT Battery Charge State
RT Charge States
RT Charged-Particle Reactions
RT Ion Beams
RT Ion Channeling
RT Ion Density
RT Ion Detection
RT Ion Drift
RT Ion Implantation
RT Ion Mobility
RT Ion Pairs
RT Ion Sources
RT Ion Temperature
RT Ionic Composition
RT Translocation

Ions (Atomic)
DA December 16, 1975
USE Atomic Ions

Ions (Molecular)
DA December 16, 1975
USE Molecular Ions

IOPAMIDOL [01]
DA March 6, 1984
BT1 Contrast Media

Iota-1440 Resonances
(Prior to January 1988 this was a valid descriptor.)
DA December 26, 1984
USE Eta-1440 Mesons

IOWA [01]
DA December 1, 1974
BT1 USA
BT2 Developed Countries
BT2 North America
RT Ames Laboratory
RT Mississippi River
RT Missouri River

IOWA UTR-10 REACTOR [01]
DA December 1, 1974
UF *UTR-10 Iowa State University Reactor*
BT1 Graphite Moderated Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Water Cooled Reactors
BT2 Reactors

IPCR CYCLOTRON [01]
(Separated-sector cyclotron of the Institute of Physical and Chemical Research, Saitama, Japan.)
DA March 24, 1983
UF *Riken SSC*
UF *Saitama Cyclotron*
BT1 Heavy Ion Accelerators
BT2 Accelerators
BT1 Isochronous Cyclotrons
BT2 Cyclotrons
BT3 Cyclic Accelerators
BT4 Accelerators

→**IPEN-MB-1 REACTOR [01]**
(Instituto de Pesquisas Energeticas e Nucleares, Sao Paulo, Brazil.)
DA September 13, 1991
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

IPNS-I SYNCHROTRON [01]
(Intense Pulsed Neutron Source.)
DA July 18, 1979
BT1 Neutron Source Facilities
BT1 Synchrotrons
BT2 Cyclic Accelerators
BT3 Accelerators
DEF 500-MeV rapid cycling synchrotron at ANL.

IPP GARCHING [01]
(Max-Planck-Institut fuer Plasmaphysik.)
DA May 15, 1975
UF *Garching IPP*
BT1 German FR Organizations
BT2 National Organizations

IPRONIAZID [01]
DA December 1, 1974
BT1 Antidepressants
BT2 Psychotropic Drugs
BT3 Central Nervous System Agents
BT4 Drugs
BT1 Isoniazid
BT2 Antimicrobial Agents
BT3 Anti-Infective Agents
BT4 Drugs
BT2 Hydrazides
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds

IQSY
DA December 1, 1974
USE International Quiet Sun Year

IRAN [01]
DA December 1, 1974
BT1 Asia
BT1 Developing Countries
BT1 Middle East
RT Caspian Sea
RT OPEC

IRAN-1 REACTOR [01]
DA October 20, 1977
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

IRAN-2 REACTOR [01]
DA October 20, 1977
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

IRANIAN ATOMIC ENERGY ORGANIZATION [01]
DA November 1, 1976
BT1 Iranian Organizations
BT2 National Organizations

IRANIAN ORGANIZATIONS [01]
DA November 1, 1976
BT1 National Organizations
NT1 Iranian Atomic Energy Organization
NT1 Tehran Nuclear Research Centre

IRAQ [01]
DA December 1, 1974
BT1 Arab Countries
BT1 Asia
BT1 Developing Countries
BT1 Middle East
RT OAPEC
RT OPEC
RT Tigris River

IRAQI ATOMIC ENERGY COMMISSION [01]
DA July 19, 1985
BT1 Iraqi Organizations
BT2 National Organizations
NT1 Iraqi Nuclear Research Centre

IRAQI NUCLEAR RESEARCH CENTRE [01]
DA July 19, 1985
BT1 Iraqi Atomic Energy Commission
BT2 Iraqi Organizations
BT3 National Organizations

IRAQI ORGANIZATIONS [01]
DA July 18, 1985
BT1 National Organizations
NT1 Iraqi Atomic Energy Commission
NT2 Iraqi Nuclear Research Centre

IRELAND [01]
DA December 1, 1974
BT1 Developed Countries
BT1 Western Europe
BT2 Europe
RT OECD

IRI [01]
(Interuniversitair Reactor Instituut.)
DA May 5, 1975
UF *Interuniversitair Reactor Instituut*
BT1 Netherlands Organizations
BT2 National Organizations

IRIDIUM [01]
DA December 1, 1974
BT1 Platinum Metals
BT2 Transition Elements
BT3 Metals
BT4 Elements

IRIDIUM 166 [01]
DA July 3, 1986
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iridium Isotopes
BT2 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

IRIDIUM 167 [01]
DA July 3, 1986
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iridium Isotopes
BT2 Isotopes
BT1 Millisec Living Radioisotopes

BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

IRIDIUM 168 [01]
DA December 20, 1978
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iridium Isotopes
BT2 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

IRIDIUM 169 [01]
DA December 20, 1978
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iridium Isotopes
BT2 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

IRIDIUM 170 [01]
DA April 28, 1978
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iridium Isotopes
BT2 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

IRIDIUM 171 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iridium Isotopes
BT2 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

IRIDIUM 172 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iridium Isotopes
BT2 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

IRIDIUM 173 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iridium Isotopes
BT2 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

IRIDIUM 174 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iridium Isotopes
BT2 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

IRIDIUM 175 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iridium Isotopes
BT2 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

IRIDIUM 176 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iridium Isotopes
BT2 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

IRIDIUM 177 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iridium Isotopes
BT2 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

IRIDIUM 178 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iridium Isotopes
BT2 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

IRIDIUM 179 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iridium Isotopes
BT2 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

IRIDIUM 180 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iridium Isotopes
BT2 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

IRIDIUM 181 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Iridium Isotopes
BT2 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

IRIDIUM 182 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Iridium Isotopes
BT2 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

IRIDIUM 183 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Iridium Isotopes
BT2 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

IRIDIUM 184 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes

BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Iridium Isotopes
BT2 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

IRIDIUM 185 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Iridium Isotopes
BT2 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

IRIDIUM 186 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Iridium Isotopes
BT2 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

IRIDIUM 187 [01]
DA December 1, 1974
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Iridium Isotopes
BT2 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

IRIDIUM 188 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Iridium Isotopes
BT2 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

IRIDIUM 189 [01]
DA December 1, 1974
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Iridium Isotopes
BT2 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

IRIDIUM 189 TARGET [01]
DA March 3, 1978
BT1 Targets

IRIDIUM 190 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Iridium Isotopes
BT2 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

IRIDIUM 190 TARGET [01]
DA November 14, 1978
BT1 Targets

IRIDIUM 191 [01]
DA December 1, 1974
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Iridium Isotopes
BT2 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

IRIDIUM 191 TARGET [01]
DA July 9, 1976
BT1 Targets

IRIDIUM 192 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Iridium Isotopes
BT2 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

IRIDIUM 193 [01]
DA December 1, 1974
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Iridium Isotopes
BT2 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

IRIDIUM 193 TARGET [01]
DA July 9, 1976
BT1 Targets

IRIDIUM 194 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Iridium Isotopes
BT2 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

IRIDIUM 194 TARGET [01]
DA July 9, 1987
BT1 Targets

IRIDIUM 195 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Iridium Isotopes
BT2 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

IRIDIUM 196 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Iridium Isotopes
BT2 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

IRIDIUM 197 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Iridium Isotopes
BT2 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

IRIDIUM 198 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Iridium Isotopes
BT2 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

IRIDIUM ADDITIONS [01]
DA December 1, 1974
BT1 Iridium Alloys
BT2 Platinum Metal Alloys
BT3 Alloys

IRIDIUM ALLOYS [01]
DA December 1, 1974
BT1 Platinum Metal Alloys
BT2 Alloys
NT1 Iridium Additions
NT1 Iridium Base Alloys

IRIDIUM BASE ALLOYS [01]
DA December 1, 1974
BT1 Iridium Alloys
BT2 Platinum Metal Alloys
BT3 Alloys

IRIDIUM BORIDES [01]
DA January 20, 1975
BT1 Borides
BT2 Boron Compounds
BT1 Iridium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

IRIDIUM CARBIDES [01]
DA January 31, 1975
BT1 Carbides
BT2 Carbon Compounds
BT1 Iridium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

IRIDIUM CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Iridium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

IRIDIUM COMPLEXES [01]
DA December 1, 1974
BT1 Transition Element Complexes
BT2 Complexes

IRIDIUM COMPOUNDS [01]
DA December 1, 1974
BT1 Refractory Metal Compounds
BT1 Transition Element Compounds
NT1 Iridium Borides
NT1 Iridium Carbides
NT1 Iridium Chlorides
NT1 Iridium Fluorides
NT1 Iridium Hydrides
NT1 Iridium Oxides
NT1 Iridium Silicides
NT1 Iridium Sulfates
NT1 Iridium Tellurides

IRIDIUM FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Iridium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

IRIDIUM HYDRIDES [01]
DA January 24, 1975
BT1 Hydrides
BT2 Hydrogen Compounds
BT1 Iridium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

IRIDIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

IRIDIUM ISOTOPES [01]
DA December 1, 1974
BT1 Isotopes
NT1 Iridium 166
NT1 Iridium 167
NT1 Iridium 168
NT1 Iridium 169
NT1 Iridium 170
NT1 Iridium 171
NT1 Iridium 172
NT1 Iridium 173
NT1 Iridium 174
NT1 Iridium 175
NT1 Iridium 176
NT1 Iridium 177
NT1 Iridium 178
NT1 Iridium 179
NT1 Iridium 180
NT1 Iridium 181
NT1 Iridium 182
NT1 Iridium 183
NT1 Iridium 184
NT1 Iridium 185
NT1 Iridium 186
NT1 Iridium 187
NT1 Iridium 188
NT1 Iridium 189
NT1 Iridium 190
NT1 Iridium 191
NT1 Iridium 192
NT1 Iridium 193
NT1 Iridium 194
NT1 Iridium 195
NT1 Iridium 196
NT1 Iridium 197
NT1 Iridium 198

IRIDIUM OXIDES [01]
DA December 1, 1974
BT1 Iridium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds

IRIDIUM SILICIDES [01]
DA May 9, 1984
BT1 Iridium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Silicides
BT2 Silicon Compounds

IRIDIUM SULFATES [01]
DA August 4, 1976
BT1 Iridium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds

IRIDIUM TELLURIDES [01]
DA June 7, 1976
BT1 Iridium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds

IRIGINITE [01]
DA December 1, 1974
BT1 Oxide Minerals
BT2 Minerals
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
RT Molybdenum Oxides
RT Uranium Oxides

IRISH SEA [01]
DA May 7, 1977
UF *Celtic Sea*
BT1 Atlantic Ocean
BT2 Seas
BT3 Surface Waters
RT United Kingdom

IRL REACTOR [01]
(Columbia University/Industrial Research Labs., Inc., USA.)
DA December 1, 1974
UF *Plainsboro IRL Pool Type Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

IRON [01]
DA December 1, 1974
BT1 Transition Elements
BT2 Metals
BT3 Elements
NT1 Iron-Alpha
NT1 Iron-Beta
NT1 Iron-Delta
NT1 Iron-Gamma
RT Ferritin
RT Heme
RT Hemoglobin
RT Hemosiderin
RT Hichlor Process
RT Steam-Iron Process

IRON 45 [01]
DA July 5, 1978
BT1 Beta Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei

BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iron Isotopes
BT2 Isotopes

→**IRON 46 [01]**
DA January 22, 1993
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iron Isotopes
BT2 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

IRON 47 [01]
DA December 1, 1974
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iron Isotopes
BT2 Isotopes

IRON 48 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iron Isotopes
BT2 Isotopes

IRON 49 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iron Isotopes
BT2 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

IRON 50 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iron Isotopes
BT2 Isotopes

IRON 51 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iron Isotopes
BT2 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

IRON 52 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iron Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

IRON 53 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iron Isotopes
BT2 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

IRON 54 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iron Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

IRON 54 REACTIONS [01]
DA September 5, 1984
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

IRON 54 TARGET [01]
DA July 9, 1976
BT1 Targets

IRON 55 [01]
DA December 1, 1974
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iron Isotopes
BT2 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

IRON 55 TARGET [01]
DA July 9, 1976
BT1 Targets

IRON 56 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iron Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes
RT Iron 56 Reactions

IRON 56 BEAMS [01]
DA June 16, 1975
BT1 Ion Beams
BT2 Beams

IRON 56 REACTIONS [01]
DA May 15, 1975
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions
RT Iron 56

IRON 56 TARGET [01]
DA July 9, 1976
BT1 Targets

IRON 57 [01]
DA December 1, 1974
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iron Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

IRON 57 TARGET [01]
DA July 9, 1976
BT1 Targets

IRON 58 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iron Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

IRON 58 BEAMS [01]
DA November 1, 1976
BT1 Ion Beams
BT2 Beams

IRON 58 REACTIONS [01]
DA November 1, 1976
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

IRON 58 TARGET [01]
DA July 9, 1976
BT1 Targets

IRON 59 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iron Isotopes
BT2 Isotopes

IRON 60 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iron Isotopes
BT2 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

IRON 61 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes

BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iron Isotopes
BT2 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

IRON 62 [01]
DA October 1, 1975
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iron Isotopes
BT2 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

IRON 63 [01]
DA November 24, 1980
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iron Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

IRON 64 [01]
DA November 24, 1980
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iron Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

IRON 65 [01]
DA September 5, 1986
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iron Isotopes
BT2 Isotopes

IRON 66 [01]
DA September 5, 1986
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iron Isotopes
BT2 Isotopes

IRON 67 [01]
DA September 5, 1986
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iron Isotopes
BT2 Isotopes

IRON 68 [01]
DA September 5, 1986
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Iron Isotopes
BT2 Isotopes

IRON ADDITIONS [01]
DA December 1, 1974
BT1 Iron Alloys
BT2 Alloys
NT1 Alloy-Al95Cu4
NT2 Duralumin
NT1 Alloy-N55M20V25
NT1 Alloy-N65M20V15
NT1 Alloy-Ni46Cr23Co19Ti5Al4
NT2 Alloy-IN-939
NT1 Alloy-Ni48Co28Cr15Al3Mo3Ti2
NT2 Inconel 700
NT1 Alloy-Ni58Cr14Co8Al4Mo4Nb4W4
NT2 Rene 95
NT1 Alloy-Ni60Co15Cr10Al6Ti5Mo3
NT2 Alloy-IN-100
NT1 Alloy-Ni65Mo16Cr15W4
NT1 Alloy-Ni73Cr20Mn3Nb3
NT2 Inconel 82
NT1 Alloy-Ni78Cr16Al4
NT2 Inconel 702
NT1 Alloy-Ni80Cr20
NT1 Alloy-Ti88Mo8Al3
NT1 Alloy-Ti90Al6Mo3
NT1 Alloy-Ti90Al6V4
NT1 Alloy-Ti91Al4Mo3
NT1 Alloy-Ti91Al5Cr2
NT1 Alloy-Zr98Sn-2
NT2 Zircaloy 2
NT1 Alloy-Zr98Sn-4
NT2 Zircaloy 4
NT1 Aludur
NT1 Alumel
NT1 Duralumin
NT1 Duranickel
NT1 Zamak

IRON-AIR BATTERIES
DA June 7, 1976
BT1 Metal-Gas Batteries
BT2 Electric Batteries
BT3 Electrochemical Cells

IRON ALLOYS [01]
DA December 1, 1974
BT1 Alloys
NT1 Alloy-Co36Cr22Ni22W15Fe3
NT2 Haynes 188 Alloy
NT1 Alloy-Co43Cr20Fe18Ni13W3
NT2 HAVAR
NT1 Alloy-Co52Cr17Fe15Mo3Si3
NT2 Tribaloy 800
NT1 Alloy-Co52Fe35V10
NT2 Vikalloy 1
NT1 Alloy-Co52Fe35V13
NT2 Vikalloy 2
NT1 Alloy-Co54Cr20W15Ni10
NT2 Alloy-HS-25
NT2 Haynes 25 Alloy
NT1 Alloy-Co60Cr30W4
NT2 Haynes Stellite 6B
NT2 Stellite 6
NT1 Alloy-Co62Cr28Mo6Ni3
NT2 Alloy-HS-21
NT2 Haynes Stellite No 21
NT1 Alloy-EhP-496
NT1 Alloy-HS-31
NT1 Alloy-IN-102
NT1 Alloy-KhN50MBVYu
NT1 Alloy-Mo-Re-1
NT1 Alloy-Ni41Fe40Cr16Nb3
NT2 Inconel 706
NT1 Alloy-Ni42Fe36Cr12Mo6Ti3
NT2 Incoloy 901
NT1 Alloy-Ni43Fe30Cr22Mo3
NT2 Incoloy 825
NT1 Alloy-Ni43Fe33Cr16Mo3
NT2 Nimonic PE16
NT1 Alloy-Ni45Cr23Fe19Co3Mo3W3
NT1 Alloy-Ni45Fe34Cr20
NT1 Alloy-Ni47Cr25Co12W9Fe3
NT2 Alloy-IN-643
NT2 Inconel 643
NT1 Alloy-Ni48Cr22Fe18Mo9
NT2 Nimonic PE13
NT1 Alloy-Ni49Cr22Fe18Mo9
NT2 Hastelloy X
NT1 Alloy-Ni50Co20Cr15Al5Mo5
NT2 Nimonic 105
NT1 Alloy-Ni50Cr22Fe18Mo9
NT2 Hastelloy XR
NT1 Alloy-Ni53Cr19Fe19Nb5Mo3
NT2 Inconel 718
NT1 Alloy-Ni54Mo17Cr16Fe6W4
NT2 Hastelloy C
NT1 Alloy-Ni56Cr21W10Mo5Fe4Al2
NT1 Alloy-Ni58Cr20Co14Mo4Ti3
NT2 Waspaloy
NT1 Alloy-Ni59Cr20Co17Ti2
NT2 Nimonic 90
NT1 Alloy-Ni59Cr30Fe9
NT2 Inconel 690
NT1 Alloy-Ni60Cr25W15
NT1 Alloy-Ni60Fe24Cr16
NT2 Nichrome
NT1 Alloy-Ni61Cr22Mo9Nb4Fe3
NT2 Inconel 625
NT1 Alloy-Ni61Cr23Fe14
NT1 Alloy-Ni62Cr16Mo15Fe3
NT2 Hastelloy S
NT1 Alloy-Ni66Cu32
NT2 Monel 400
NT1 Alloy-Ni68Cr15W6Al3Mo3Fe2
NT1 Alloy-Ni70Mo17Cr7Fe5
NT2 Hastelloy N
NT2 Inor-8
NT1 Alloy-Ni73Cr15Fe7Ti3
NT2 Inconel X750
NT1 Alloy-Ni76Cr15Fe8
NT2 Inconel 600
NT1 Alloy-Ni77Cr20Ti2
NT1 Alloy-Ni78Cr21
NT1 Alloy-Ni79Fe16Mo4
NT1 Alloy-Ni80Fe16Mo4
NT1 Alloy-RA-333
NT1 Alloy-S-816
NT1 Alloy-V-36
NT1 Alloy-V87Cr9Fe3
NT2 Vanstar 7
NT1 Alloy-YuNDK 25BA
NT1 Austenite
NT1 Colmonoy
NT1 Ferrite
NT1 HAVAR
NT1 Haynes 25 Alloy
NT1 Haynes 188 Alloy
NT1 Haynes Stellite No 21
NT1 Inor-8
* **NT1** Iron Additions
* **NT1** Iron Base Alloys
NT1 Konel
NT1 Lynite
NT1 Manaurite 36X
NT1 Manaurite 900
NT1 Martensite
NT1 Misco Metal
NT1 Ni-Hard
NT1 Orthonol
NT1 Permalloy
NT1 Refractaloy
NT1 Rene 41
NT1 Supertherm
NT1 Tikonal
NT1 Tribaloy 400
NT1 Vanstar 7

IRON-ALPHA [01]
DA December 1, 1974
BT1 Iron
BT2 Transition Elements
BT3 Metals
BT4 Elements
RT Ferrite
RT Martensite

IRON ARSENIDES [01]
DA September 11, 1978
BT1 Arsenides
BT2 Arsenic Compounds
BT2 Pnictides
BT1 Iron Compounds
BT2 Transition Element Compounds

IRON BASE ALLOYS [01]
DA December 1, 1974
UF *Alloy-MA-956*

UF *MA 956*
SF *Alloy-0KH12N13M*
BT1 Iron Alloys
BT2 Alloys
NT1 Alloy-Co50Fe50
NT2 Permendur
NT1 Alloy-Fe31Cr21Co20Ni20Mo3W2
NT2 Alloy-HD-556
NT2 Alloy-N-155
NT1 Alloy-Fe36Ni33Cr26
NT1 Alloy-Fe40Ni35Cr22
NT1 Alloy-Fe44Ni33Cr21
NT2 Incoloy 800H
NT1 Alloy-Fe46Ni33Cr21
NT2 Incoloy 800
NT2 Incoloy 802
NT2 Sanicro 30
NT1 Alloy-Fe48Cr24Ni24
NT2 Alloy-IN-519
NT1 Alloy-Fe53Ni29Co18
NT1 ALNICO Alloys
NT1 Ascoloy
NT1 Cast Iron
NT1 Discaloy
NT1 Duriron
NT1 GE 2541
NT1 Hiperco
NT1 Hoskins 875
NT1 Invar
NT1 Kanthal
NT1 Kovar
NT1 Rezistal
NT1 Sichromal Alloys
NT1 Sicromo 9M
NT1 Steel-CD-4MCu
* NT1 Steels

IRON-BETA [01]
DA December 1, 1974
BT1 Iron
BT2 Transition Elements
BT3 Metals
BT4 Elements
RT Martensite

IRON BORIDES [01]
DA December 1, 1974
BT1 Borides
BT2 Boron Compounds
BT1 Iron Compounds
BT2 Transition Element Compounds

IRON BROMIDES [01]
DA December 1, 1974
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Iron Compounds
BT2 Transition Element Compounds

IRON CARBIDES [01]
DA December 1, 1974
BT1 Carbides
BT2 Carbon Compounds
BT1 Iron Compounds
BT2 Transition Element Compounds
NT1 Cast Iron
NT1 Cementite
NT1 Ni-Hard

IRON CARBONATES [01]
DA December 1, 1974
BT1 Carbonates
BT2 Carbon Compounds
BT2 Oxygen Compounds
BT1 Iron Compounds
BT2 Transition Element Compounds
NT1 Ankerite
NT1 Ferroan
NT1 Siderite
RT Carbonate Minerals

IRON CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Iron Compounds
BT2 Transition Element Compounds

IRON COMPLEXES [01]
DA December 1, 1974
BT1 Transition Element Complexes
BT2 Complexes
NT1 Ferricyanides
NT1 Ferritin
NT1 Ferrocene
NT1 Ferrocyanides
RT Ferroin
RT Lactoferrin
RT Rubredoxin

IRON COMPOUNDS [01]
DA December 1, 1974
UF *Ferric Compounds*
UF *Ferrous Compounds*
BT1 Transition Element Compounds
NT1 Ferrates
NT1 Ferrites
NT1 Gadolinite
NT1 Iron Arsenides
NT1 Iron Borides
NT1 Iron Bromides
NT1 Iron Carbides
NT2 Cast Iron
NT2 Cementite
NT2 Ni-Hard
NT1 Iron Carbonates
NT2 Ankerite
NT2 Ferroan
NT2 Siderite
NT1 Iron Chlorides
NT1 Iron Fluorides
NT1 Iron Hydrides
NT1 Iron Hydroxides
NT1 Iron Iodides
NT1 Iron Nitrates
NT1 Iron Nitrides
NT1 Iron Oxides
NT2 Kahlerite
NT2 Tapiolite
NT1 Iron Perchlorates
NT1 Iron Phosphates
NT1 Iron Phosphides
NT1 Iron Selenides
NT1 Iron Silicates
NT2 Andradite
NT2 Epidotes
NT2 Helvite
NT1 Iron Silicides
NT1 Iron Sulfates
NT1 Iron Sulfides
NT2 Pyrrhotite
NT3 Troilite
NT1 Iron Tellurides
NT1 Iron Tungstates

IRON-DELTA [01]
DA December 1, 1974
BT1 Iron
BT2 Transition Elements
BT3 Metals
BT4 Elements

IRON FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Iron Compounds
BT2 Transition Element Compounds

Iron-Free Spectrometers
DA December 1, 1974
USE Flat Magnetic Spectrometers

IRON-GAMMA [01]
DA December 1, 1974
BT1 Iron
BT2 Transition Elements
BT3 Metals
BT4 Elements
RT Austenite

Iron Garnets
DA September 10, 1982
USE Ferrite Garnets

IRON HYDRIDES [01]
DA December 1, 1974
BT1 Hydrides
BT2 Hydrogen Compounds
BT1 Iron Compounds
BT2 Transition Element Compounds

IRON HYDROXIDES [01]
DA December 1, 1974
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds
BT1 Iron Compounds
BT2 Transition Element Compounds

IRON IODIDES [01]
DA December 1, 1974
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds
BT1 Iron Compounds
BT2 Transition Element Compounds

IRON IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

IRON ISOTOPES [01]
DA December 1, 1974
BT1 Isotopes
NT1 Iron 45
NT1 Iron 46
NT1 Iron 47
NT1 Iron 48
NT1 Iron 49
NT1 Iron 50
NT1 Iron 51
NT1 Iron 52
NT1 Iron 53
NT1 Iron 54
NT1 Iron 55
NT1 Iron 56
NT1 Iron 57
NT1 Iron 58
NT1 Iron 59
NT1 Iron 60
NT1 Iron 61
NT1 Iron 62
NT1 Iron 63
NT1 Iron 64
NT1 Iron 65
NT1 Iron 66
NT1 Iron 67
NT1 Iron 68

IRON METEORITES [01]
DA December 1, 1974
BT1 Meteorites
RT Troilite

IRON-NICKEL BATTERIES
DA January 27, 1975
UF *Nickel-Iron Batteries*
BT1 Metal-Metal Oxide Batteries
BT2 Electric Batteries
BT3 Electrochemical Cells

IRON NITRATES [01]
DA December 1, 1974
BT1 Iron Compounds
BT2 Transition Element Compounds
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds

IRON NITRIDES [01]
DA December 1, 1974
BT1 Iron Compounds
BT2 Transition Element Compounds
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides

IRON ORES [01]
DA December 1, 1974
BT1 Ores
NT1 Hematite
NT1 Limonite
NT1 Magnetite

NT1 Siderite
RT Pyrite

IRON OXIDES [01]
DA December 1, 1974
BT1 Iron Compounds
BT2 Transition Element Compounds
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds
NT1 Kahlerite
NT1 Tapiolite
RT Ferrates
RT Ferrites
RT Goethite
RT Hematite
RT Ilmenite
RT Limonite
RT Magnetite
RT Oxide Minerals
RT Shales
RT Tantalite
RT Wolframite

IRON PERCHLORATES [01]
DA November 9, 1983
BT1 Iron Compounds
BT2 Transition Element Compounds
BT1 Perchlorates
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Oxygen Compounds

IRON PHOSPHATES [01]
DA December 1, 1974
BT1 Iron Compounds
BT2 Transition Element Compounds
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds

IRON PHOSPHIDES [01]
DA October 1, 1975
BT1 Iron Compounds
BT2 Transition Element Compounds
BT1 Phosphides
BT2 Phosphorus Compounds
BT2 Pnictides

IRON SELENIDES [01]
DA December 16, 1976
BT1 Iron Compounds
BT2 Transition Element Compounds
BT1 Selenides
BT2 Chalcogenides
BT2 Selenium Compounds

IRON SILICATES [01]
DA December 1, 1974
BT1 Iron Compounds
BT2 Transition Element Compounds
BT1 Silicates
BT2 Oxygen Compounds
BT2 Silicon Compounds
NT1 Andradite
NT1 Epidotes
NT1 Helvite
RT Eudialyte
RT Garnets
RT Ilvaite
RT Olivine
RT Vermiculite

IRON SILICIDES [01]
DA August 24, 1976
BT1 Iron Compounds
BT2 Transition Element Compounds
BT1 Silicides
BT2 Silicon Compounds

IRON SULFATES [01]
DA December 1, 1974
BT1 Iron Compounds
BT2 Transition Element Compounds
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds

IRON SULFIDES [01]
DA December 1, 1974
BT1 Iron Compounds
BT2 Transition Element Compounds
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds
NT1 Pyrrhotite
NT2 Troilite
RT Chalcopyrite
RT Marcasite
RT Pyrite
RT Sphalerite
RT Sulfide Minerals

IRON TELLURIDES [01]
DA September 11, 1978
BT1 Iron Compounds
BT2 Transition Element Compounds
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds

IRON TUNGSTATES [01]
DA June 2, 1977
BT1 Iron Compounds
BT2 Transition Element Compounds
BT1 Tungstates

IRPA [01]
(International Radiation Protection Association.)
DA December 1, 1974
BT1 International Organizations

IRR-1 REACTOR [01]
(Nahal Sorero, Israel.)
DA December 1, 1974
UF *Israeli Research Reactor-1*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

IRR-2 REACTOR [01]
(Dimona, Israel.)
DA December 1, 1974
UF *Israeli Research Reactor-2*
BT1 Heavy Water Cooled Reactors
BT2 Reactors
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors

IRRADIATION [01]
DA December 1, 1974
UF+ *Accidental Irradiation*
UF+ *Food Irradiation*
NT1 Acute Irradiation
NT1 Chronic Irradiation
NT1 External Irradiation
NT2 Extracorporeal Irradiation
NT2 Partial Body Irradiation
NT2 Whole-Body Irradiation
NT1 Fractionated Irradiation
NT1 Internal Irradiation
NT1 Lethal Irradiation
NT1 Local Irradiation
NT1 Low Dose Irradiation
NT1 Nonuniform Irradiation
NT1 Perinatal Irradiation
NT1 Prenatal Irradiation
NT1 Pulsed Irradiation
NT1 Radicidation
NT1 Radiodisinfestation
NT1 Radiopreservation
NT1 Self-Irradiation
NT1 Sublethal Irradiation
NT1 Supralethal Irradiation
RT Damaging Neutron Fluence
RT Equivalent Fission Fluence
RT Irradiation Devices
RT Irradiation Procedures
RT Neutronic Damage Functions
RT Plant Breeding
RT Preservation
RT Radiation Dose Distributions
RT Radiation Doses
RT Radiation Effects
RT Radiation Hazards
RT Radiation Sources
RT Radiations
RT Radioimmunology
RT Radiosterilization
RT Radiotherapy
RT Sterilization
RT Wood-Plastic Composites

IRRADIATION CAPSULES [01]
DA December 1, 1974
UF *Capsules (Irradiation)*
RT Experimental Channels
RT In Pile Loops
RT Radiation Source Implants

Irradiation Channels
DA December 1, 1974
USE Experimental Channels

IRRADIATION DEVICES [01]
DA December 1, 1974
UF *Irradiation Rigs*
RT External Irradiation
RT Irradiation
RT Irradiation Plants
RT Irradiation Procedures
RT PIGMI Facilities
RT Radiation Sources

IRRADIATION PLANTS [01]
DA December 1, 1974
BT1 Nuclear Facilities
NT1 Isomed
RT External Irradiation
RT Irradiation Devices
RT Irradiation Procedures
RT Radiation Sources

IRRADIATION PROCEDURES [01]
DA December 1, 1974
RT External Irradiation
RT IFIP
RT Irradiation
RT Irradiation Devices
RT Irradiation Plants
RT Spatial Dose Distributions
RT Temporal Dose Distributions

IRRADIATION REACTORS [01]
(For isotope production and irradiation purposes; for producing fissile materials see PRODUCTION REACTORS.)
DA December 1, 1974
BT1 Reactors
NT1 Chemonuclear Reactors
* NT1 Isotope Production Reactors
NT1 Materials Processing Reactors
* NT1 Materials Testing Reactors
NT1 Tritium Production Reactors
NT2 Celestin Reactor

Irradiation Rigs
DA December 1, 1974
USE Irradiation Devices

IRREDUCIBLE REPRESENTATIONS [01]
DA December 1, 1974
UF *Representations (Irreducible)*
RT Group Theory
RT Nonunitary Representations
RT Symmetry Groups

IRREVERSIBLE PROCESSES [01]
DA December 1, 1974
RT Onsager Relations
RT Prigogine Theorem
RT Thermodynamics

IRRIGATION [01]
DA December 1, 1974
RT Agriculture

RT Cultivation Techniques
RT Fresh Water
RT Radionuclide Migration
RT Soil Conservation
RT Soils
RT Surface Waters
RT Water Use

IRT-2000 DJAKARTA REACTOR [01]
DA December 1, 1974
UF *Djakarta IRT-2000 Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

IRT-2000 MOSCOW REACTOR [01]
DA December 1, 1974
UF *MIFI IRT-2000 Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

IRT-C REACTOR [01]
DA December 1, 1974
UF *Soviet Research Reactor IRT-C*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

IRT-F REACTOR [01]
DA December 1, 1974
UF *Soviet Research Reactor IRT-F*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

IRT-M REACTOR
DA January 20, 1975
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors

IRT REACTOR [01]
(Moscow, USSR.)
DA December 1, 1974
UF *Soviet Research Reactor IRT*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

IRT-SOFIA REACTOR [01]
(Institute for Nuclear Research and Nuclear Power, Sofia, Bulgaria.)
DA December 1, 1974
UF *Bulgarian Research Reactor IRT-2000*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

Irvine TRIGA Reactor
DA January 28, 1975
USE TRIGA-1-California Reactor

Isabelle
DA December 1, 1974
USE Isabelle Storage Rings

ISABELLE STORAGE RINGS [01]
DA December 1, 1974
UF *Brookhaven Intersecting Storage Accelerators*
UF *CBA (Brookhaven Colliding Beam Accelerator)*
UF *Intersecting Storage Accelerator*
UF *Isabelle*
BT1 Storage Rings
RT Brookhaven RHIC

ISAR-2 REACTOR [01]
DA October 5, 1982
UF *Kernkraftwerk Isar-2*
UF *KKI Isar-2*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

ISAR DEVICES [01]
DA December 1, 1974
BT1 Linear Theta Pinch Devices
BT2 Linear Pinch Devices
BT3 Open Plasma Devices
BT4 Thermonuclear Devices
BT3 Pinch Devices
BT4 Thermonuclear Devices

ISAR REACTOR [01]
DA December 1, 1974
UF *Kernkraftwerk Isar*
UF *KKI Isar*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

ISCHEMIA [01]
DA December 1, 1974
BT1 Anemias
BT2 Hemic Diseases
BT3 Diseases
BT2 Symptoms
BT1 Cardiovascular Diseases
BT2 Diseases
BT1 Vascular Diseases
BT2 Diseases
RT Anoxia
RT Blood Circulation
RT Blood Vessels
RT Myocardial Infarction
RT Necrosis

ISENTROPIC PROCESSES [01]
(Accomplished at constant value of the entropy.)
DA December 1, 1974
UF *Processes (Isentropic)*
RT Adiabatic Processes
RT Entropy
RT Isothermal Processes
RT Thermodynamics

ISFMTF
(International Fusion Superconducting Magnet Test Facility.)
DA April 8, 1987
USE Large Coil Program

ISHIKAWAITE [01]
DA December 1, 1974
BT1 Oxide Minerals
BT2 Minerals
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials

ISING MODEL [01]
DA June 16, 1975
BT1 Crystal Models
BT2 Mathematical Models
RT Order-Disorder Transformations
RT Phi4-Field Theory
RT Two-Dimensional Calculations

ISIS REACTOR [01]
(CEA/CEN de Saclay, Gif-sur-Yvette, France.)
DA December 1, 1974
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

Islamabad Reactor Pakistan
DA December 1, 1974
USE PARR Reactor

ISLANDS [01]
DA December 1, 1974
NT1 Aleutian Islands
NT2 Amchitka Island Area
NT1 Azores Islands
NT1 Bahrain
NT1 Bermuda
NT1 Canary Islands
NT1 Cape Verde Islands
NT1 Cyprus
NT1 Faeroe Islands
NT1 Fiji
NT1 Iceland
NT1 Indonesia
NT1 Kurile Islands
NT1 Madagascar

NT2 Malagasy Republic
NT1 Malta
NT1 Mauritius
NT1 Micronesia
NT2 Kiribati
NT2 Marshall Islands
NT3 Bikini
NT3 Eniwetok
NT2 Nauru
NT2 Tuvalu
NT1 New Guinea
NT2 Papua New Guinea
NT1 New Hebrides Islands
NT1 Newfoundland
NT1 Okinawa
NT1 Philippines
NT1 Prince Edward Island
NT1 Singapore
NT1 Sri Lanka
NT1 Taiwan
NT1 Tasmania
NT1 Trust Territory of the Pacific Islands
NT2 Mariana Islands
NT3 Guam
NT1 West Indies
NT2 Bahama Islands
NT2 Greater Antilles
NT3 Cuba
NT3 Hispaniola
NT4 Dominican Republic
NT4 Haiti
NT3 Jamaica
NT3 Puerto Rico
NT2 Lesser Antilles
NT3 Barbados
NT3 Martinique
NT3 Netherlands Antilles
NT3 Trinidad and Tobago
NT3 Virgin Islands
NT2 Saint Lucia
NT2 Saint Vincent and the Grenadines
RT Oceania
RT Seas
RT Terrestrial Ecosystems

ISO [01]
DA December 1, 1974
UF *International Standard Organization*
BT1 International Organizations
RT Recommendations
RT Regulations
RT Standardized Terminology
RT Standards Document

ISOALLOXAZINES [01]
DA December 1, 1974
UF *Flavins*
BT1 Heterocyclic Compounds
BT2 Organic Compounds
BT1 Organic Nitrogen Compounds
BT2 Organic Compounds
BT1 Organic Oxygen Compounds
BT2 Organic Compounds
NT1 Diaphorase
RT Coenzymes

Isoamyl Acetate
DA December 1, 1974
USE Isopentyl Acetate

Isoamylase
DA December 1, 1974
USE Amylase
AND Isoenzymes

ISOBAR MODEL [01]
DA December 1, 1974
UF *Isobaric Model*
BT1 Particle Models
BT2 Mathematical Models

ISOBARIC ANALOGS [01]
DA December 1, 1974
UF *Analog States*
UF+ *Analog Resonances*
BT1 Energy Levels
RT Isobaric Nuclei
RT Nolen-Schiffer Anomaly

Isobaric Model
DA December 1, 1974
USE Isobar Model

ISOBARIC NUCLEI [01]
(Nuclei having identical mass number.)
DA December 1, 1974
BT1 Nuclei
RT Isobaric Analogs
RT Mirror Nuclei

Isobaric Spin
DA December 1, 1974
USE Isospin

Isobars (Nucleon)
DA December 1, 1974
USE N*Baryons

Isobutane
DA December 1, 1974
USE 2-Methylpropane

Isobutyl Alcohol
DA December 1, 1974
USE 2-Methylpropanol

ISOBUTYL RADICALS [01]
DA December 1, 1974
BT1 Alkyl Radicals
BT2 Radicals

Isobutylene
DA December 1, 1974
USE 2-Methylpropene

ISOBUTYRIC ACID [01]
DA December 1, 1974
BT1 Monocarboxylic Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds

ISOCHRONOUS CYCLOTRONS [01]
DA December 1, 1974
UF *Sector Cyclotron*
BT1 Cyclotrons
BT2 Cyclic Accelerators
BT3 Accelerators
NT1 AABO Cyclotron
NT1 ALICE Cyclotron
NT1 APACHE
NT1 Brookhaven Cyclotron
NT1 Chicago Cyclotron
NT1 Cracow AIC-144 Cyclotron
NT1 Cracow C-48 Cyclotron
NT1 CRNL Superconducting Cyclotron
NT1 CYCLONE Cyclotron
NT1 CYRIC Cyclotron
NT1 Debrecen Cyclotron
NT1 Eindhoven Cyclotron
NT1 Grenoble Cyclotron
NT1 HAIZY Cyclotron
NT1 HIRFL Cyclotron
NT1 INR Cyclotron
NT1 IPCR Cyclotron
NT1 IU Cyclotron
NT1 JINR Cyclotrons
NT2 JINR U-400 Cyclotron
NT1 JULIC Cyclotron
NT1 Karlsruhe Cyclotron
NT1 Kazakhstan Cyclotron
NT1 Kiev Cyclotron
NT1 KVI Cyclotron
NT1 Milan Superconducting Cyclotron
NT1 MSU Cyclotrons
NT1 Munich Compact Cyclotron
NT1 Munich SUSE Cyclotron
NT1 NAC Cyclotron
NT1 NIRS Cyclotron
NT1 NRL Cyclotron
NT1 ORNL Isochronous Cyclotron
NT1 Orsay Cyclotron
NT1 Oslo Cyclotron
NT1 Princeton Cyclotron
NT1 RCNP Cyclotron
NT1 Sara Cyclotron
NT1 SIN Cyclotron
NT1 Texas A and M Cyclotron
NT1 Texas Superconducting Cyclotron
NT1 Tokyo INS Cyclotron
NT1 TRIUMF Cyclotron
NT1 UCLRL Cyclotrons
NT2 LBL 88-Inch Cyclotron
NT1 Warsaw Cyclotron
RT Ganil Cyclotron
RT Vickai Accelerator

ISOCYANATES
DA February 6, 1975
RT Cyanates

ISOCYANIC ACID
DA April 8, 1975
BT1 Carbonic Acid Derivatives
BT2 Organic Compounds
BT1 Nitrogen Compounds

ISOCYANIC ACID ESTERS
DA January 20, 1975
BT1 Esters
BT2 Organic Compounds

ISODOSE CURVES [01]
DA December 1, 1974
RT Depth Dose Distributions
RT Nonuniform Irradiation
RT Phantoms
RT Radiation Dose Distributions
RT Radiotherapy
RT Spatial Dose Distributions

ISOELECTRONIC ATOMS [01]
DA December 1, 1974
BT1 Atoms
RT Electronic Structure

ISOENZYMES [01]
DA December 1, 1974
UF+ *Isoamylase*
RT Enzymes

Isolated Locations
DA June 14, 1978
USE Remote Areas

ISOLATION CONDENSERS
DA January 30, 1975
BT1 Steam Condensers
BT2 Vapor Condensers
BT3 Condensers
RT Heat Exchangers
RT Reactor Cooling Systems

ISOMED [01]
(Radiation plant for sterilization of medical products.)
DA December 16, 1975
BT1 Irradiation Plants
BT2 Nuclear Facilities
RT Medical Supplies
RT Sterilization
RT Surgical Materials

ISOMER RATIO [01]
DA November 19, 1985
RT Isomeric Nuclei
DEF Relative abundance of isomers of a given nucleus.

ISOMER SHIFT [01]
DA December 1, 1974
RT Isomeric Nuclei
DEF Property shift between the isomeric and the ground states of a nucleus.

ISOMERASES [01]
(Code number 5.)
DA December 1, 1974
BT1 Enzymes
BT2 Proteins
BT3 Organic Compounds
RT Isomerization
RT Racemization

ISOMERIC NUCLEI [01]
DA December 1, 1974
BT1 Nuclei
RT Fission Isomers
RT Isomer Ratio
RT Isomer Shift

RT Isomeric Transition Isotopes
RT Isomeric Transitions

ISOMERIC TRANSITION ISOTOPES

[01]
DA December 1, 1974
BT1 Radioisotopes
BT2 Isotopes
NT1 Actinium 222
NT1 Aluminium 24
NT1 Americium 242
NT1 Antimony 113
NT1 Antimony 117
NT1 Antimony 122
NT1 Antimony 124
NT1 Antimony 126
NT1 Antimony 130
NT1 Antimony 131
NT1 Arsenic 74
NT1 Arsenic 75
NT1 Arsenic 78
NT1 Astatine 202
NT1 Barium 127
NT1 Barium 131
NT1 Barium 133
NT1 Barium 135
NT1 Barium 136
NT1 Barium 137
NT1 Barium 138
NT1 Bismuth 198
NT1 Bismuth 201
NT1 Bismuth 208
NT1 Bismuth 211
NT1 Bromine 76
NT1 Bromine 77
NT1 Bromine 79
NT1 Bromine 80
NT1 Bromine 82
NT1 Bromine 83
NT1 Cadmium 100
NT1 Cadmium 111
NT1 Cadmium 113
NT1 Cerium 135
NT1 Cerium 137
NT1 Cerium 138
NT1 Cerium 139
NT1 Cesium 121
NT1 Cesium 123
NT1 Cesium 134
NT1 Cesium 135
NT1 Cesium 136
NT1 Cesium 138
NT1 Chlorine 34
NT1 Chlorine 38
NT1 Cobalt 58
NT1 Cobalt 60
NT1 Cobalt 64
NT1 Copper 68
NT1 Dysprosium 147
NT1 Dysprosium 149
NT1 Dysprosium 165
NT1 Erbium 151
NT1 Erbium 167
NT1 Europium 141
NT1 Europium 152
NT1 Europium 154
NT1 Fermium 250
NT1 Fermium 256
NT1 Fluorine 18
NT1 Francium 211
NT1 Francium 212
NT1 Francium 213
NT1 Gadolinium 141
NT1 Gadolinium 145
NT1 Gadolinium 147
NT1 Gadolinium 148
NT1 Gallium 70
NT1 Gallium 72
NT1 Gallium 74
NT1 Germanium 71
NT1 Germanium 73
NT1 Germanium 75
NT1 Germanium 77
NT1 Gold 191
NT1 Gold 193
NT1 Gold 195
NT1 Gold 196
NT1 Gold 197
NT1 Gold 198
NT1 Gold 200
NT1 Hafnium 177
NT1 Hafnium 178
NT1 Hafnium 179
NT1 Hafnium 180
NT1 Hafnium 182
NT1 Holmium 148
NT1 Holmium 156
NT1 Holmium 158
NT1 Holmium 159
NT1 Holmium 160
NT1 Holmium 161
NT1 Holmium 162
NT1 Holmium 163
NT1 Holmium 164
NT1 Holmium 166
NT1 Holmium 168
NT1 Indium 104
NT1 Indium 107
NT1 Indium 108
NT1 Indium 109
NT1 Indium 110
NT1 Indium 111
NT1 Indium 112
NT1 Indium 113
NT1 Indium 114
NT1 Indium 115
NT1 Indium 116
NT1 Indium 117
NT1 Indium 118
NT1 Indium 119
NT1 Indium 121
NT1 Iodine 116
NT1 Iodine 121
NT1 Iodine 122
NT1 Iodine 126
NT1 Iodine 130
NT1 Iodine 132
NT1 Iodine 133
NT1 Iodine 134
NT1 Iridium 190
NT1 Iridium 191
NT1 Iridium 192
NT1 Iridium 193
NT1 Iridium 194
NT1 Iron 53
NT1 Krypton 79
NT1 Krypton 81
NT1 Krypton 83
NT1 Krypton 84
NT1 Krypton 85
NT1 Krypton 86
NT1 Lanthanum 132
NT1 Lead 194
NT1 Lead 197
NT1 Lead 199
NT1 Lead 200
NT1 Lead 201
NT1 Lead 202
NT1 Lead 203
NT1 Lead 204
NT1 Lead 205
NT1 Lead 207
NT1 Lutetium 153
NT1 Lutetium 154
NT1 Lutetium 161
NT1 Lutetium 169
NT1 Lutetium 170
NT1 Lutetium 171
NT1 Lutetium 172
NT1 Lutetium 174
NT1 Lutetium 177
NT1 Manganese 60
NT1 Mercury 193
NT1 Mercury 194
NT1 Mercury 195
NT1 Mercury 197
NT1 Mercury 199
NT1 Mercury 201
NT1 Molybdenum 89
NT1 Molybdenum 91
NT1 Molybdenum 92
NT1 Molybdenum 93
NT1 Molybdenum 94
NT1 Neodymium 134
NT1 Neodymium 137
NT1 Neodymium 139
NT1 Neodymium 141
NT1 Neptunium 237
NT1 Niobium 90
NT1 Niobium 91
NT1 Niobium 93
NT1 Niobium 94
NT1 Niobium 95
NT1 Niobium 97
NT1 Nobelium 254
NT1 Osmium 182
NT1 Osmium 183
NT1 Osmium 188
NT1 Osmium 189
NT1 Osmium 190
NT1 Osmium 191
NT1 Osmium 192
NT1 Palladium 107
NT1 Palladium 109
NT1 Palladium 111
NT1 Palladium 117
NT1 Platinum 193
NT1 Platinum 195
NT1 Platinum 197
NT1 Platinum 199
NT1 Plutonium 237
NT1 Polonium 201
NT1 Polonium 203
NT1 Polonium 207
NT1 Polonium 210
NT1 Potassium 40
NT1 Praseodymium 142
NT1 Praseodymium 144
NT1 Promethium 148
NT1 Protactinium 234
NT1 Radium 213
NT1 Radon 210
NT1 Radon 211
NT1 Rhenium 167
NT1 Rhenium 169
NT1 Rhenium 184
NT1 Rhenium 186
NT1 Rhenium 188
NT1 Rhenium 190
NT1 Rhodium 95
NT1 Rhodium 96
NT1 Rhodium 97
NT1 Rhodium 100
NT1 Rhodium 101
NT1 Rhodium 103
NT1 Rhodium 104
NT1 Rhodium 105
NT1 Rhodium 109
NT1 Rubidium 76
NT1 Rubidium 78
NT1 Rubidium 81
NT1 Rubidium 84
NT1 Rubidium 85
NT1 Rubidium 86
NT1 Rubidium 88
NT1 Rubidium 90
NT1 Ruthenium 93
NT1 Samarium 139
NT1 Samarium 141
NT1 Samarium 143
NT1 Scandium 44
NT1 Scandium 46
NT1 Scandium 50
NT1 Selenium 73
NT1 Selenium 77
NT1 Selenium 79
NT1 Selenium 80
NT1 Selenium 81
NT1 Silver 99
NT1 Silver 101
NT1 Silver 102
NT1 Silver 103
NT1 Silver 105
NT1 Silver 107
NT1 Silver 108
NT1 Silver 109
NT1 Silver 110
NT1 Silver 111
NT1 Silver 113
NT1 Silver 116
NT1 Silver 118
NT1 Silver 120
NT1 Sodium 22
NT1 Sodium 24
NT1 Strontium 83
NT1 Strontium 85
NT1 Strontium 87
NT1 Tantalum 182
NT1 Technetium 90
NT1 Technetium 93
NT1 Technetium 95
NT1 Technetium 96
NT1 Technetium 97
NT1 Technetium 99
NT1 Technetium 102
NT1 Tellurium 121
NT1 Tellurium 123
NT1 Tellurium 125
NT1 Tellurium 127
NT1 Tellurium 129
NT1 Tellurium 131

NT1 Tellurium 133
NT1 Tellurium 135
NT1 Terbium 144
NT1 Terbium 146
NT1 Terbium 147
NT1 Terbium 148
NT1 Terbium 151
NT1 Terbium 152
NT1 Terbium 154
NT1 Terbium 156
NT1 Terbium 158
NT1 Thallium 179
NT1 Thallium 185
NT1 Thallium 186
NT1 Thallium 187
NT1 Thallium 192
NT1 Thallium 193
NT1 Thallium 194
NT1 Thallium 195
NT1 Thallium 196
NT1 Thallium 197
NT1 Thallium 198
NT1 Thallium 199
NT1 Thallium 201
NT1 Thallium 202
NT1 Thallium 206
NT1 Thallium 207
NT1 Thulium 150
NT1 Thulium 162
NT1 Thulium 164
NT1 Tin 113
NT1 Tin 117
NT1 Tin 119
NT1 Tin 121
NT1 Tin 129
NT1 Tin 131
NT1 Tungsten 179
NT1 Tungsten 180
NT1 Tungsten 183
NT1 Tungsten 185
NT1 Uranium 235
NT1 Xenon 125
NT1 Xenon 127
NT1 Xenon 129
NT1 Xenon 131
NT1 Xenon 133
NT1 Xenon 135
NT1 Ytterbium 153
NT1 Ytterbium 169
NT1 Ytterbium 175
NT1 Ytterbium 176
NT1 Ytterbium 177
NT1 Yttrium 86
NT1 Yttrium 87
NT1 Yttrium 88
NT1 Yttrium 89
NT1 Yttrium 90
NT1 Yttrium 91
NT1 Yttrium 93
NT1 Yttrium 97
NT1 Zinc 69
NT1 Zirconium 85
NT1 Zirconium 87
NT1 Zirconium 89
NT1 Zirconium 90
RT Isomeric Nuclei
RT Isomeric Transitions

ISOMERIC TRANSITIONS [01]
DA December 1, 1974
BT1 Energy-Level Transitions
RT Decay
RT Isomeric Nuclei
RT Isomeric Transition Isotopes

ISOMERIZATION [01]
DA September 14, 1976
UF *Tautomerism*
BT1 Chemical Reactions
RT Isomerases
DEF Process for converting hydrocarbon or other organic compound to an isomer

ISOMERS [01]
(Only for geometrical isomers and stereoisomers in chemistry; see also ISOMERIC NUCLEI and FISSION ISOMERS.)
DA December 1, 1974
RT Stereochemistry

ISONIAZID [01]
DA December 1, 1974
BT1 Antimicrobial Agents
BT2 Anti-Infective Agents
BT3 Drugs
BT1 Hydrazides
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
NT1 Ipronlazid
RT Pyridines

ISONITRILES [01]
DA December 1, 1974
BT1 Carbonic Acid Derivatives
BT2 Organic Compounds
RT Nitriles

Isopentane
DA September 26, 1979
USE 2-Methylbutane

ISOPENTYL ACETATE [01]
DA December 1, 1974
UF *Isoamyl Acetate*
BT1 Acetic Acid Esters
BT2 Carboxylic Acid Esters
BT3 Esters
BT4 Organic Compounds

ISOPRENE [01]
DA December 1, 1974
UF *2-Methylbutadiene*
BT1 Dienes
BT2 Polyenes
BT3 Hydrocarbons
BT4 Organic Compounds
RT Polyisoprene

Isopropyl cresol
DA December 1, 1974
USE Thymol

ISOPROPYL ETHER [01]
DA December 1, 1974
UF *Di-(2-Propyl) Ether*
UF *Diisopropyl Ether*
BT1 Ethers
BT2 Organic Oxygen Compounds
BT3 Organic Compounds
RT Organic Solvents

ISOPROPYL RADICALS [01]
DA December 1, 1974
BT1 Alkyl Radicals
BT2 Radicals

Isopropylbenzene
DA December 1, 1974
USE Cumene

Isopropyltoluene para
DA December 1, 1974
USE Cymene

ISOSPIN [01]
DA December 1, 1974
UF *Isobaric Spin*
UF *Isotopic Spin*
BT1 Particle Properties
RT Charm Particles
RT Salam Polkinghorne Theory
RT Yang-Mills Theory

ISOTACHOPHORESIS [01]
DA April 7, 1983
BT1 Electrophoresis
DEF Migration of ion species of the same sign, all with a common counter-ion, under the influence of an electric field.

Isotherm
(Prior to July 1985, this was a valid descriptor and older material is so indexed.)
DA August 24, 1976
USE Isotherms

ISOTHERMAL PROCESSES [01]
DA December 1, 1974
UF *Processes (Isothermal)*
RT Adiabatic Processes
RT Isentropic Processes
RT Thermodynamics

ISOTHERMS [01]
DA March 7, 1983
UF *Geoisotherm*
UF *Isotherm*
NT1 Adsorption Isotherms
RT Temperature Distribution
RT Temperature Measurement
DEF Lines connecting points of equal temperature.

ISOTHIOCYANATES
DA April 15, 1975
BT1 Organic Sulfur Compounds
BT2 Organic Compounds
RT Thiocyanates

Isotones
DA December 1, 1974
USE Isotonic Nuclei

ISOTONIC NUCLEI [01]
(Nuclei having identical number of neutrons.)
DA December 1, 1974
UF *Isotones*
BT1 Nuclei

ISOTONIC SOLUTIONS [01]
(Solutions having the same osmotic pressure.)
DA March 13, 1981
BT1 Solutions
BT2 Mixtures
BT3 Dispersions
RT Osmosis

Isotope Analysis (Quantitative)
DA December 1, 1974
USE Isotope Ratio

ISOTOPE APPLICATIONS [01]
DA December 1, 1974
NT1 Tracer Techniques
NT2 Dual-Isotope Subtraction Technique
NT2 Isotope Dilution
NT2 Labelled Pool Techniques
NT2 Radioactive Tracer Logging
NT2 Radioimmunodetection
NT3 Radioimmunoassay
NT3 Radioimmunoscintigraphy
NT2 Radioreceptor Assay
RT Labelling
RT Radiocolloids

Isotope Composition (Quantitative)
DA December 1, 1974
USE Isotope Ratio

ISOTOPE DATING [01]
DA December 1, 1974
UF *Argon Method*
UF *Helium Method*
UF *Lead Method*
UF *Radiocarbon Dating*
BT1 Age Estimation
RT Carbon 14

ISOTOPE DILUTION [01]
DA December 1, 1974
BT1 Tracer Techniques
BT2 Isotope Applications
RT Dilution
RT Quantitative Chemical Analysis
RT Substoichiometry

ISOTOPE EFFECTS [01]
DA December 1, 1974
UF *Isotopic Effects*
RT Isotopes
RT Isotopic Exchange

ISOTOPE ENRICHED MATERIALS [01]
DA December 1, 1974
UF *Enriched Materials (Isotopes)*
BT1 Materials
NT1 Enriched Uranium
NT2 Highly Enriched Uranium

NT2 Moderately Enriched Uranium
NT2 Slightly Enriched Uranium
RT Gas Centrifugation
RT Isotope Separation
RT Isotopic Exchange

Isotope Enrichment
DA December 1, 1974
USE Isotope Separation

Isotope Exchange
DA December 1, 1974
USE Isotopic Exchange

ISOTOPE PRODUCTION [01]
DA December 1, 1974
UF *Production (Isotope)*
RT Accelerators
RT Isotope Production Reactors
RT Isotopes
RT Production
RT Radioisotope Generators
RT Transmutation

ISOTOPE PRODUCTION REACTORS [01]
(For the production of radioisotopes to be used in any application such as medicine, agriculture, industry, etc; not for tritium production.)
DA December 1, 1974
BT1 Irradiation Reactors
BT2 Reactors
NT1 AFRRI Reactor
NT1 Al-L-77 Reactor
NT1 ALRR Reactor
NT1 Apsara Reactor
NT1 ASTRA Reactor
NT1 ATPR Reactor
NT1 BEPO Reactor
NT1 BER-2 Reactor
NT1 BGRR Reactor
NT1 BRR Reactor
NT1 BYU L-77 Reactor
NT1 Celestin Reactor
NT1 Cesnef Reactor
NT1 Cirus Reactor
NT1 Consort-2 Reactor
NT1 CP-5 Reactor
NT1 Dhruva Reactor
NT1 Dido Reactor
NT1 DMTR Reactor
NT1 Dow TRIGA-Mk-1 Reactor
NT1 DR-2 Reactor
NT1 DR-3 Reactor
NT1 EL-1 Reactor
NT1 EL-2 Reactor
NT1 EL-3 Reactor
NT1 ETR Reactor
NT1 EWA Reactor
NT1 FIR-1 Reactor
NT1 FNR Reactor
NT1 FR-2 Reactor
NT1 FRF Reactor
NT1 FRG-2 Reactor
NT1 FRJ-2 Reactor
NT1 GETR Reactor
NT1 GTRR Reactor
NT1 Gulf TRIGA-Mk-3 Reactor
NT1 HFIR Reactor
NT1 HIFAR Reactor
NT1 HTR Reactor
NT1 IAN-R1 Reactor
NT1 IRT Reactor
NT1 IRT-C Reactor
NT1 IRT-F Reactor
NT1 IRT-Sofia Reactor
NT1 Ispra-1 Reactor
NT1 JEEP-2 Reactor
NT1 JRR-1 Reactor
NT1 JRR-3 Reactor
NT1 JRR-3M Reactor
NT1 KMR Reactor
NT1 KUHFR Reactor
NT1 LPTR Reactor
NT1 Maria Reactor
NT1 Melusine-1 Reactor
NT1 MNR Reactor
NT1 MRR Reactor
NT1 NRU Reactor
NT1 NRX Reactor
NT1 OSTR Reactor
NT1 Pulstar-Buffalo Reactor
NT1 R-1 Reactor
NT1 R-A Reactor
NT1 R2-0 Reactor
NT1 RTP Reactor
NT1 RTS-1 Reactor
NT1 Siloe Reactor
* NT1 Slowpoke Type Reactors
NT1 Taiwan Research Reactor
NT1 Thetis Reactor
NT1 THOR Reactor
NT1 TR-1 Reactor
NT1 TRICO Reactor
NT1 TRIGA-1-Hanover Reactor
NT1 TRIGA-1-Michigan Reactor
NT1 TRIGA-2-Bandung Reactor
NT1 TRIGA-2-Dalat Reactor
NT1 TRIGA-2-Illinois Reactor
NT1 TRIGA-2-Kansas Reactor
NT1 TRIGA-2-Ljubljana Reactor
NT1 TRIGA-2-Mainz Reactor
NT1 TRIGA-2-Musashi Reactor
NT1 TRIGA-2-Pavia Reactor
NT1 TRIGA-2 Reactor
NT1 TRIGA-2-Rikkyo Reactor
NT1 TRIGA-2-Rome Reactor
NT1 TRIGA-2-Seoul Reactor
NT1 TRIGA-2-Vienna Reactor
NT1 TRIGA-3-Munich Reactor
NT1 TRIGA-3-Salazar Reactor
NT1 TRIGA-3-Seoul Reactor
NT1 TRIGA-Brazil Reactor
NT1 TRIGA-Texas Reactor
NT1 TRIGA-Veterans Reactor
NT1 TZ1 Reactor
NT1 UCBRR Reactor
NT1 UFTR Reactor
NT1 UKNR Reactor
NT1 UVAR Reactor
NT1 UWNR Reactor
NT1 WTR Reactor
NT1 WWR-2 Reactor
NT1 WWR-M-Kiev Reactor
NT1 WWR-M-Leningrad Reactor
NT1 WWR-S-Budapest Reactor
NT1 WWR-S-Moscow Reactor
NT1 WWR-SM Rossendorf Reactor
NT1 X-10 Reactor
RT Isotope Production

ISOTOPE RATIO [01]
DA December 1, 1974
UF *Isotope Analysis (Quantitative)*
UF *Isotope Composition (Quantitative)*
UF *Isotopic Analysis (Quantitative)*
UF *Isotopic Composition (Quantitative)*
RT Abundance
RT Isotopes
RT Natural Occurrence

ISOTOPE SEPARATION [01]
(For separation of isotopes of the same element only.)
DA December 1, 1974
UF *Depletion (Isotopic)*
UF *Enrichment (Isotopic)*
UF *Isotope Enrichment*
UF *Isotopic Separation*
BT1 Separation Processes
NT1 Dual Temperature Process
NT1 Electromagnetic Isotope Separation
NT1 Gas Centrifugation
NT1 Gaseous Diffusion Process
NT1 Laser Isotope Separation
NT1 Separation Nozzle Method
RT Centrifugation
RT Enrichment
RT Gas Centrifuges
RT Isotope Enriched Materials
RT Isotopes
RT Plasma Centrifuges
RT Portsmouth Centrifuge Enrichment Plant
RT Radioisotope Generators
RT Thermal Diffusion
RT Ultracentrifuges

ISOTOPE SEPARATION PLANTS [01]
DA May 17, 1976
BT1 Industrial Plants
BT1 Nuclear Facilities
NT1 Centrifuge Enrichment Plants
NT2 Portsmouth Centrifuge Enrichment Plant
NT1 Gaseous Diffusion Plants
NT2 Cogema Pierrelatte
NT2 ORGDP
NT2 Paducah Plant
NT2 Portsmouth Gaseous Diffusion Plant
NT1 Heavy Water Plants
NT1 Tritium Extraction Plants

Isotope Shift
DA December 1, 1974
USE Spectral Shift

ISOTOPES [01]
DA December 1, 1974
UF *Nuclides*
* NT1 Actinide Isotopes
* NT1 Alkali Metal Isotopes
* NT1 Alkaline Earth Isotopes
* NT1 Aluminium Isotopes
* NT1 Antimony Isotopes
* NT1 Argon Isotopes
* NT1 Arsenic Isotopes
* NT1 Astatine Isotopes
* NT1 Bismuth Isotopes
* NT1 Boron Isotopes
* NT1 Bromine Isotopes
* NT1 Cadmium Isotopes
* NT1 Carbon Isotopes
NT1 Carrier-Free Isotopes
* NT1 Chlorine Isotopes
* NT1 Chromium Isotopes
* NT1 Cobalt Isotopes
* NT1 Copper Isotopes
NT1 Daughter Products
NT1 Fission Products
* NT1 Fluorine Isotopes
* NT1 Gallium Isotopes
* NT1 Germanium Isotopes
* NT1 Gold Isotopes
* NT1 Hafnium Isotopes
* NT1 Helium Isotopes
* NT1 Hydrogen Isotopes
* NT1 Indium Isotopes
* NT1 Iodine Isotopes
* NT1 Iridium Isotopes
* NT1 Iron Isotopes
* NT1 Krypton Isotopes
* NT1 Lead Isotopes
* NT1 Manganese Isotopes
* NT1 Mercury Isotopes
* NT1 Molybdenum Isotopes
* NT1 Neon Isotopes
* NT1 Nickel Isotopes
* NT1 Niobium Isotopes
* NT1 Nitrogen Isotopes
* NT1 Osmium Isotopes
* NT1 Oxygen Isotopes
* NT1 Palladium Isotopes
* NT1 Phosphorus Isotopes
* NT1 Platinum Isotopes
* NT1 Radioisotopes
* NT1 Radon Isotopes
* NT1 Rare Earth Isotopes
* NT1 Rhenium Isotopes
* NT1 Rhodium Isotopes
* NT1 Ruthenium Isotopes
* NT1 Scandium Isotopes
* NT1 Selenium Isotopes
* NT1 Silicon Isotopes
* NT1 Silver Isotopes
* NT1 Stable Isotopes
* NT1 Sulfur Isotopes
* NT1 Tantalum Isotopes
* NT1 Technetium Isotopes
* NT1 Tellurium Isotopes
* NT1 Thallium Isotopes
* NT1 Tin Isotopes
* NT1 Titanium Isotopes
* NT1 Tungsten Isotopes
* NT1 Vanadium Isotopes
* NT1 Xenon Isotopes
* NT1 Yttrium Isotopes
* NT1 Zinc Isotopes
* NT1 Zirconium Isotopes
RT Gas Centrifugation
RT Isotope Effects
RT Isotope Production
RT Isotope Ratio

RT Isotope Separation
RT Nuclei

Isotopic Analysis (Quantitative)
DA December 1, 1974
USE Isotope Ratio

Isotopic Composition (Quantitative)
DA December 1, 1974
USE Isotope Ratio

Isotopic Effects
DA December 1, 1974
USE Isotope Effects

ISOTOPIC EXCHANGE [01]
DA December 1, 1974
UF *Exchange (Isotopic)*
UF *Isotope Exchange*
UF *Isotopic Substitution*
NT1 Dual Temperature Process
RT Chemical Reactions
RT Hydrogen Transfer
RT Isotope Effects
RT Isotope Enriched Materials
RT Labelling

Isotopic Separation
DA December 1, 1974
USE Isotope Separation

Isotopic Shift
DA December 1, 1974
USE Spectral Shift

Isotopic Spin
DA December 1, 1974
USE Isospin

Isotopic Substitution
DA December 1, 1974
USE Isotopic Exchange

ISOTROPY [01]
DA December 1, 1974
RT Anisotropy
RT Configuration
RT Distribution
RT Orientation

ISOVALERIC ACID [01]
DA December 1, 1974
BT1 Monocarboxylic Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds

ISOVECTORS [01]
DA December 1, 1974
BT1 Vectors
BT2 Tensors

ISPRA-1 REACTOR [01]
DA December 1, 1974
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Heavy Water Cooled Reactors
BT2 Reactors
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors

Ispra-2 RANA Reactor
DA December 1, 1974
USE RANA Reactor

ISRAEL [01]
DA December 1, 1974
BT1 Asia
BT1 Developing Countries
BT1 Middle East
RT Israeli Organizations

ISRAEL ATOMIC ENERGY COMMISSION [01]
DA November 23, 1979
BT1 Israeli Organizations
BT2 National Organizations
NT1 Negev Nuclear Research Center
NT1 Soreq Nuclear Research Center

ISRAELI ORGANIZATIONS [01]
DA September 26, 1979
BT1 National Organizations
NT1 Israel Atomic Energy Commission
NT2 Negev Nuclear Research Center
NT2 Soreq Nuclear Research Center
RT Israel

Israeli Research Reactor-1
DA December 1, 1974
USE IRR-1 Reactor

Israeli Research Reactor-2
DA December 1, 1974
USE IRR-2 Reactor

ISX TOKAMAK [01]
DA April 27, 1978
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

ITACONIC ACID [01]
DA December 1, 1974
BT1 Dicarboxylic Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds

ITALIAN ENEA [01]
(Comitato Nazionale per la Ricerca e lo Sviluppo dell'Energia Nucleare e delle Energie Alternative; prior to April 1982 known as Comitato Nazionale per Energia Nucleare, and documents written before that date should be indexed to CNEN.)
DA August 16, 1989
BT1 Italian Organizations
BT2 National Organizations
NT1 CNEN

→**ITALIAN ENEL [01]**
(Ente Nazionale per l'Energia Elettrica. [National Electric Energy Board])
DA March 19, 1991
BT1 Italian Organizations
BT2 National Organizations

ITALIAN ORGANIZATIONS [01]
DA December 1, 1974
BT1 National Organizations
NT1 AGIP Nucleare
NT1 CISE
NT1 Italian ENEA
NT2 CNEN
NT1 Italian ENEL

Italian TRIGA-Mark-II Reactor
DA December 1, 1974
USE TRIGA-2-Rome Reactor

ITALY [01]
DA December 1, 1974
BT1 Developed Countries
BT1 Western Europe
BT2 Europe
NT1 Appennines
NT1 Sicily
RT Adriatic Sea
RT Alps
RT Larderello Geothermal Field
RT Monte Amiata Geothermal Field
RT OECD
RT Po River
RT Travale Geothermal Field

ITEP SYNCHROTRON [01]
(Institute of Theoretical and Experimental Physics Synchrotron.)
DA December 1, 1974
BT1 Synchrotrons
BT2 Cyclic Accelerators
BT3 Accelerators

ITER TOKAMAK [01]
(International Thermonuclear Experimental Reactor.)
DA May 11, 1989
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

ITERATIVE METHODS [01]
DA December 1, 1974
BT1 Calculation Methods
NT1 Finite Difference Method
NT1 Galerkin-Petrov Method
NT1 Newton Method
NT1 Runge-Kutta Method
RT Mathematics
RT Numerical Solution

ITR REACTOR
DA January 20, 1975
UF *In-Core Thermionic Reactor*
BT1 Beryllium Moderated Reactors
BT2 Metal Moderated Reactors
BT3 Reactors
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Thermionic Reactors
BT2 Power Reactors
BT3 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

ITRI
DA July 27, 1982
USE Inhalation Toxicology Research Institute

IU CYCLOTRON [01]
DA May 25, 1979
UF *Indiana University Cyclotron*
BT1 Isochronous Cyclotrons
BT2 Cyclotrons
BT3 Cyclic Accelerators
BT4 Accelerators

IUDR
DA May 5, 1975
USE Iododeoxyuridine

IUS
DA September 19, 1977
USE Total Energy Systems

IVORY COAST [01]
DA January 26, 1976
BT1 Africa
BT1 Developing Countries

→**IVV-7 REACTOR [01]**
(Research Reactor in Tajura, Libya.)
DA February 19, 1992
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors

IVY PROJECT [01]
DA December 1, 1974
UF *Project (Ivy)*
BT1 Nuclear Explosions
BT2 Explosions
NT1 Mike Event
RT Eniwetok

IXION
DA April 15, 1975
BT1 Magnetic Mirrors
BT2 Open Plasma Devices

BT3 Thermonuclear Devices
DEF Plasma heating and confinement by superposition of radial electric fields on the axial magnetic fields (LASL).

J-3105 Resonances
DA June 30, 1975
USE J Psi-3097 Mesons

J CODES [01]
DA December 1, 1974
BT1 Computer Codes

J-J COUPLING [01]
DA December 1, 1974
UF *Spin-Spin Interaction*
BT1 Intermediate Coupling
BT2 Coupling
RT Orbital Angular Momentum

J PSI-3097 MESONS [01]
(Prior to February 1988 this concept was indexed by PSI-3105 RESONANCES.)
DA February 1, 1988
UF *J-3105 Resonances*
UF *Psi-3105 Resonances*
BT1 Charmonium
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles
BT2 Quarkonium
BT1 Vector Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

3J-Symbols
DA December 1, 1974
USE Clebsch-Gordan Coefficients

6J-Symbols
DA December 1, 1974
USE Racah Coefficients

9J-Symbols
DA December 1, 1974
USE Wigner Coefficients

JABILUKA DEPOSIT [01]
DA August 7, 1978
BT1 Uranium Deposits
BT2 Geologic Deposits
BT2 Mineral Resources
BT3 Resources
RT Northern Territory
RT Uranium Ores

JACKETS [01]
DA December 1, 1974
RT Fuel Cans
RT Reactor Components
RT Shrouds
RT Sleeves
DEF Device surrounding an object to be heated or cooled, e.g., water jackets.

JACKSON MODEL [01]
DA December 1, 1974
RT Compound Nuclei
RT Nuclear Reactions

JACOBIAN FUNCTION [01]
DA December 1, 1974
BT1 Functions

JAERI [01]
(Japan Atomic Energy Research Institute.)
DA January 21, 1975
UF *Japanese Atomic Energy Research Institute*
BT1 Japanese Organizations
BT2 National Organizations

JAERI Experimental Fusion Reactor
DA August 4, 1981
USE JXFR Tokamak

Jaeri Fusion Torus-2A
DA November 2, 1976
USE JFT-2A Tokamak

JAERI LINAC [01]
DA June 30, 1975
BT1 Linear Accelerators
BT2 Accelerators

JAERI TANDEM ACCELERATOR [01]
DA May 7, 1982
BT1 Tandem Electrostatic Accelerators
BT2 Electrostatic Accelerators
BT3 Accelerators

JAHN-TELLER EFFECT [01]
DA December 1, 1974
RT Energy Levels
RT Molecules

Jails
DA January 9, 1981
USE Public Buildings

JAMAICA [01]
DA December 1, 1974
BT1 Developing Countries
BT1 Greater Antilles
BT2 West Indies
BT3 Islands
BT1 Latin America

James A. Fitzpatrick Reactor
DA December 1, 1974
USE Fitzpatrick Reactor

JAMES RIVER [01]
DA December 1, 1974
BT1 Rivers
BT2 Streams
BT3 Surface Waters
RT Virginia

JAMESPORT-1 REACTOR [01]
DA January 21, 1975
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

JAMESPORT-2 REACTOR [01]
DA January 21, 1975
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

JANGLE PROJECT [01]
DA December 1, 1974
UF *Project (Jangle)*
BT1 Nuclear Explosions
BT2 Explosions
RT Surface Explosions
RT Underground Explosions

JANUS REACTOR [01]
(ANL, Argonne, Illinois, USA.)
DA December 1, 1974
UF *Biological Research Reactor JANUS*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors

JAPAN [01]
DA December 1, 1974
BT1 Asia
BT1 Developed Countries
NT1 Hachimantai
NT1 Hiroshima
NT1 Nagasaki
RT Beppu Geothermal Field
RT Hatchobaru Geothermal Field
RT Kakkonda Geothermal Field
RT Matsukawa Geothermal Field
RT OECD
RT Okinawa
RT Onikobe Geothermal Field
RT Onuma Geothermal Field
RT Otake Geothermal Field
RT Piace Devices
RT Takenoyu Geothermal Field
RT Takinoue Geothermal Field

Japan ATR Fugen
DA December 1, 1974
USE JATR Reactor

Japan Fast Experimental Breeder Reactor
DA December 1, 1974
USE Joyo Reactor

Japan Htr
DA December 1, 1974
USE HTR Reactor

Japan Institute Plasma Physics Stellarator
DA December 1, 1974
USE JIPP Stellarator

Japan Materials Testing Reactor
DA December 1, 1974
USE JMTR Reactor

Japan Power Demonstration Reactor
DA December 1, 1974
USE JPDR Reactor

Japan Power Demonstration Reactor-2
DA January 28, 1975
USE JPDR-2 Reactor

Japan Research Reactor-1
DA December 1, 1974
USE JRR-1 Reactor

Japan Research Reactor-2
DA December 1, 1974
USE JRR-2 Reactor

Japan Research Reactor-3
DA December 1, 1974
USE JRR-3 Reactor

Japan Research Reactor-4
DA December 1, 1974
USE JRR-4 Reactor

Japan Ship Reactor Mutsu
DA December 1, 1974
USE Mutsu Reactor

Japanese Atomic Energy Research Institute
DA September 11, 1975
USE JAERI

Japanese Nuclear Ship Development Agency
DA September 11, 1975
USE JNSDA

JAPANESE ORGANIZATIONS [01]
DA January 21, 1975
BT1 National Organizations
NT1 JAERI

NT1 JNSDA
NT1 PNC

JAPCO-1 Reactor
DA April 22, 1975
USE Tokai-Mura Reactor

JAPCO-2 Reactor
DA December 1, 1974
USE Tsuruga Reactor

JAPCO-3 Reactor
DA April 4, 1975
USE Tokai-2 Reactor

JAPCO Reactor
DA July 20, 1983
USE Tsuruga-2 Reactor

JASON REACTOR [01]
(UK Ministry of Defence, Dept. of Nuclear Science and Technology, Royal Naval College, London, United Kingdom.)
DA December 1, 1974
UF *UK Royal Naval College-Jason Reactor*
BT1 Argonaut Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors

JASTROW THEORY [01]
DA December 1, 1974
RT Hard-Core Potential
RT Nucleon-Nucleon Potential

JATR REACTOR [01]
DA December 1, 1974
UF *Advanced Thermal Reactor Fugen*
UF *Fugen ATR*
UF *Japan ATR Fugen*
BT1 HWLWR Type Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 Plutonium Reactors
BT2 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

JAUNDICE [01]
DA December 1, 1974
BT1 Pathological Changes
BT1 Symptoms
RT Hepatitis
RT Liver

JAW [01]
DA December 1, 1974
UF *Alveoli (Dental)*
BT1 Skull
BT2 Skeleton
BT3 Organs
BT4 Body
RT Teeth

Jecco Process
DA January 27, 1975
USE Desulfurization
AND Lime-Limestone Wet Scrubbing Processes
DEF Japanese process using lime to remove SO_2 in flue gas as gypsum.

JEEP-2 REACTOR [01]
(Institut for Atomenergi Kjeller, Norway.)
DA December 1, 1974
UF *Joint Establishment Experimental Pile-2*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Heavy Water Cooled Reactors
BT2 Reactors
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors

Jejunum
DA December 1, 1974
USE Small Intestine

JEMEZ MOUNTAINS
DA January 21, 1975
BT1 Mountains
BT1 New Mexico
BT2 USA
BT3 Developed Countries
BT3 North America

JEN-1 REACTOR [01]
(Nuclear Energy Board, Juan Vigon National Nuclear Energy Centre, Madrid, Spain.)
DA December 1, 1974
UF *Spanish JEN-1 Research Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

JEN-2 REACTOR [01]
DA December 1, 1974
UF *Spanish JEN-2 Research Reactor*
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors

JEN REACTOR [01]
DA December 1, 1974
UF *Portuguese JEN Research Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

Jensen Sarcoma
DA December 1, 1974
USE Experimental Neoplasms

Jerusalem Artichokes
DA December 17, 1987
USE Sunflowers

JERVIS BAY REACTOR [01]
DA December 1, 1974
BT1 Power Reactors
BT2 Reactors

JESSE EFFECT [01]
DA December 1, 1974
RT Gases
RT Impurities
RT Ionization
DEF Change of ionization characteristics when impurities are added to certain gases.

JET DRILLS
DA March 8, 1977
BT1 Drills
BT2 Drilling Equipment
BT3 Equipment
RT Drill Bits
RT Jets
RT Nozzles

JET ENGINE FUELS
DA January 21, 1975
BT1 Fuels
RT Aviation Fuels
RT Hydrogen Fuels

JET MODEL [01]
DA November 1, 1976
UF *UJM*
UF *Uncorrelated-Jet Model*
BT1 Particle Models
BT2 Mathematical Models

JET Reactors
(Prior to July 1985, this was a valid descriptor and older material is so indexed.)
DA April 27, 1978
USE JET Tokamak

JET TOKAMAK [01]
DA April 11, 1979
UF *JET Reactors*
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

JETS [01]
DA December 1, 1974
RT Fluid Flow
RT Jet Drills
RT Nozzles

JEZEBEL REACTOR [01]
DA December 1, 1974
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

JFER Reactor
DA December 1, 1974
USE Joyo Reactor

JFT-2 TOKAMAK [01]
DA December 1, 1974
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

JFT-2A TOKAMAK [01]
DA November 1, 1976
UF *DIVA Tokamak*
UF *Jaeri Fusion Torus-2A*
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

JFT-2M TOKAMAK [01]
(Tokamak device with a D-shaped cross section and a divertor.)
DA January 16, 1986
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

JGC METHANE-RICH GAS PROCESS
DA January 23, 1976
UF *Methane Rich Gas Process*
UF *MRG Process*
BT1 SNG Processes
RT High BTU Gas
RT Methanation
RT Reformer Processes
RT Town Gas
DEF Production of town gas or SNG from naphtha, natural gasoline, LPG, kerosene, or methanol by catalytic reforming and methanation.

JIGS
DA February 19, 1976
BT1 Concentrators
RT Density
RT Separation Processes
RT Sorting

JININGITE [01]
DA December 1, 1974
BT1 Thorite
BT2 Silicate Minerals
BT3 Minerals
BT2 Thorium Minerals
BT3 Radioactive Minerals
BT4 Minerals
BT4 Radioactive Materials
BT5 Materials

JINR [01]
DA December 1, 1974
UF *Joint Institute for Nuclear Research*
BT1 International Organizations

JINR CYCLOTRONS [01]
DA December 1, 1974
BT1 Isochronous Cyclotrons
BT2 Cyclotrons
BT3 Cyclic Accelerators
BT4 Accelerators
NT1 JINR U-400 Cyclotron

JINR SYNCHROTRON [01]
DA December 1, 1974
BT1 Synchrotrons
BT2 Cyclic Accelerators
BT3 Accelerators

JINR U-400 CYCLOTRON [01]
DA August 11, 1982
BT1 Heavy Ion Accelerators
BT2 Accelerators
BT1 JINR Cyclotrons
BT2 Isochronous Cyclotrons
BT3 Cyclotrons
BT4 Cyclic Accelerators
BT5 Accelerators

JIPP STELLARATOR [01]
DA December 1, 1974
UF *Japan Institute Plasma Physics Stellarator*
BT1 Stellarators
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

JIPPT-2 DEVICE [01]
DA September 10, 1982
BT1 Stellarators
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

JMTR REACTOR [01]
(Oari Research Establishment of JAERI, Ibaraki Prefecture, Japan.)
DA December 1, 1974
UF *Japan Materials Testing Reactor*
UF *Materials Testing Reactor Japan*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Materials Testing Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors

JNSDA [01]
DA September 11, 1975
UF *Japanese Nuclear Ship Development Agency*
BT1 Japanese Organizations
BT2 National Organizations

Job Training
DA September 22, 1980
USE Training

JOHANNITE [01]
DA December 1, 1974
BT1 Sulfate Minerals
BT2 Minerals
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
RT Copper Sulfates
RT Uranium Sulfates

JOINING [01]
DA December 1, 1974
BT1 Fabrication
NT1 Bonding
NT2 Self-Welding
NT1 Fastening
NT1 Welding
NT2 Arc Welding
NT3 Gas Metal-Arc Welding
NT4 Gas Tungsten-Arc Welding
NT3 Plasma Arc Welding
NT3 Shielded Metal-Arc Welding
NT3 Submerged Arc Welding
NT2 Brazing
NT2 Diffusion Welding
NT2 Electron Beam Welding
NT2 Electroslag Welding
NT2 Explosion Welding
NT2 Forge Welding
NT2 Friction Welding
NT2 Gas Welding
NT2 Induction Welding
NT2 Laser Welding
NT2 Magnetic Force Welding
NT2 Resistance Welding
NT3 Flash Welding
NT3 Projection Welding
NT2 Soldering
NT2 Ultrasonic Welding
NT2 Vacuum Welding
RT Compatibility
RT Couplings
RT Fasteners

Joint Committee on Atomic Energy
DA September 17, 1975
USE US JCAE

Joint Establishment Experimental Pile-2
DA December 1, 1974
USE JEEP-2 Reactor

Joint Institute for Nuclear Research
DA December 1, 1974
USE JINR

JOINT VENTURES [01]
(A commerical or maritime enterprise undertaken by several parties jointly; a limited partnership-not limited in the statutory sense as to the liability of the partners, but as to its scope and duration.)
DA November 14, 1978
BT1 Cooperation
RT Industry
RT Legal Aspects
RT Liabilities
DEF A commercial or maritime enterprise undertaken by several persons jointly.

JOINTS [01]
(Mechanical joints only, not for BONE JOINTS.)
DA December 1, 1974
UF *Connections*
NT1 Bolted Joints
NT1 Expansion Joints
NT1 Pipe Joints
NT1 Soldered Joints
NT1 Threaded Joints
NT1 Welded Joints
NT2 Brazed Joints
NT2 Lap Welds
RT Bonding
RT Closures
RT Compatibility
RT Fastening
RT Flanges
RT Junctions

Joints (Anatomy)
DA December 1, 1974
USE Bone Joints

JOJOBA [01]
DA November 25, 1980
UF *Simmondsia chinensis*
BT1 Magnoliopsida
BT2 Magnoliophyta
BT3 Plants
BT1 Shrubs
BT2 Plants
RT Arid Lands
RT Lubricating Oils
RT Seeds

JOMINY END-QUENCH TECHNIQUE [01]
DA December 1, 1974
RT Quench Hardening

JONES REDUCTOR [01]
DA December 1, 1974
RT Reduction

JOOS-WEINBERG EQUATION [01]
DA December 1, 1974
BT1 Differential Equations
BT2 Equations
RT Dirac Equation
RT Quantum Electrodynamics
RT Relativity Theory
RT Spin

JORDAN [01]
DA January 23, 1975
BT1 Arab Countries
BT1 Asia
BT1 Developing Countries
BT1 Middle East

JORUM EVENT [01]
DA December 1, 1974
BT1 Mandrel Operation
BT2 Nuclear Explosions
BT3 Explosions
BT2 Underground Explosions
BT3 Explosions

Jose Cabrera Reactor
DA December 1, 1974
USE Zorita-1 Reactor

Joseph M. Farley-1 Reactor
DA December 1, 1974
USE Farley-1 Reactor

Joseph M. Farley-2 Reactor
DA December 1, 1974
USE Farley-2 Reactor

JOSEPHSON EFFECT [01]
DA December 1, 1974
RT Josephson Junctions
RT Superconductivity

JOSEPHSON JUNCTIONS [01]
DA December 1, 1974
BT1 Superconducting Junctions
BT2 Junctions
RT Josephson Effect
RT Semiconductor Junctions
RT Superconducting Devices

JOST FUNCTION [01]
DA December 1, 1974
BT1 Functions
RT Scattering
RT Schroedinger Equation

JOULE HEATING [01]
DA December 1, 1974
UF *Ohmic Plasma Heating*
BT1 Plasma Heating
BT2 Heating
BT1 Resistance Heating
BT2 Electric Heating
BT3 Heating
NT1 Current-Drive Heating

JOULE-THOMSON EFFECT
DA September 11, 1978
RT Gas Flow
RT Thermodynamic Properties
RT Thermodynamics
DEF A change of temperature in a gas undergoing Joule-Thomson expansion.

JOURNAL BEARINGS [01]
DA December 1, 1974
BT1 Bearings

JOYO REACTOR [01]
DA December 1, 1974
UF *EFR Reactor*
UF *Fast Experimental Breeder Reactor Japan*
UF *Japan Fast Experimental Breeder Reactor*
UF *JFER Reactor*
BT1 Experimental Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 FBR Type Reactors
BT2 Breeder Reactors
BT3 Reactors
BT2 Fast Reactors
BT3 Epithermal Reactors
BT4 Reactors
BT1 Liquid Metal Cooled Reactors
BT2 Reactors
BT1 Power Reactors
BT2 Reactors

JPDR-2 REACTOR [01]
(Tokaimura, Ibaraki, Japan)
DA January 21, 1975
UF *Japan Power Demonstration Reactor-2*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
RT JPDR Reactor

JPDR REACTOR [01]
(Tokaimura, Ibaraki, Japan)
DA December 1, 1974
UF *Japan Power Demonstration Reactor*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Experimental Reactors
BT2 Research and Test Reactors
BT3 Reactors
RT JPDR-2 Reactor

JPFR Reactor
DA April 12, 1977
USE Monju Reactor

JPL PROCESS
DA July 5, 1978
BT1 Desulfurization
BT2 Chemical Reactions
RT Coal Preparation
DEF Coal desulfurization process consisting of sequential steps of chlorination, hydrolysis, and dechlorination.

JRR-1 REACTOR [01]
DA December 1, 1974
UF *Japan Research Reactor-1*
BT1 Aqueous Homogeneous Reactors
BT2 Liquid Homogeneous Reactors
BT3 Fluid Fueled Reactors
BT4 Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors

JRR-2 REACTOR [01]
(Tokai Research Establishment of JAERI, Ibaraki Prefecture, Japan.)
DA December 1, 1974
UF *Japan Research Reactor-2*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Heavy Water Cooled Reactors
BT2 Reactors
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors

JRR-3 REACTOR [01]
(Tokai Research Establishment of JAERI, Ibaraki Prefecture, Japan. This reactor was shut down in 1983 and replaced by the JRR-3M REACTOR.)
DA December 1, 1974
UF *Japan Research Reactor-3*
BT1 Heavy Water Cooled Reactors
BT2 Reactors
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Materials Testing Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors

→**JRR-3M REACTOR [01]**
(Tokai Research Establishment of Jaeri, Ibaraki Prefecture, Japan. This reactor replaces the JRR-3 Reactor which was shut down in 1983.)
DA February 14, 1992
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Materials Testing Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors

JRR-4 REACTOR [01]
(Tokai Research Establishment of JAERI, Ibaraki Prefecture, Japan.)
DA December 1, 1974
UF *Japan Research Reactor-4*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors

JT-60 Reactors
(Prior to July 1985, this was a valid descriptor and older material is so indexed.)
DA April 27, 1978
USE JT-60 Tokamak

JT-60 TOKAMAK [01]
DA April 11, 1979
UF *JT-60 Reactors*
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices
RT JT-60U Tokamak

→**JT-60U TOKAMAK [01]**
DA April 9, 1991
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices
RT JT-60 Tokamak

Juelich-Dido Reactor
DA December 1, 1974
USE FRJ-2 Reactor

Juelich-Merlin Reactor
DA December 1, 1974
USE FRJ-1 Reactor

Juices
DA December 1, 1974
USE Beverages

JULIC CYCLOTRON [01]
DA March 24, 1983
BT1 Isochronous Cyclotrons
BT2 Cyclotrons
BT3 Cyclic Accelerators
BT4 Accelerators

JUNCTION DETECTORS [01]
DA December 1, 1974
UF *P-N Counters*
BT1 Semiconductor Detectors
BT2 Radiation Detectors
BT3 Measuring Instruments
NT1 Li-Drifted Junction Detectors

JUNCTION DIODES [01]
DA December 1, 1974
UF *Zener Diodes*
BT1 Semiconductor Diodes
BT2 Semiconductor Devices

JUNCTION TRANSISTORS [01]
DA December 1, 1974
BT1 Transistors
BT2 Semiconductor Devices
RT Semiconductor Junctions

JUNCTIONS
DA May 6, 1975
NT1 Semiconductor Junctions
NT2 Heterojunctions
NT2 Homojunctions
NT2 MIM Junctions
NT2 P-N Junctions
NT1 Superconducting Junctions
NT2 Josephson Junctions
RT Joints

Junctions (Semiconductor)
DA December 1, 1974
USE Semiconductor Junctions

Juniperus
DA December 11, 1985
USE Cedars

JUNO REACTOR [01]
DA December 1, 1974
UF *UKAEA-Juno Reactor*
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

JUPITER PLANET [01]
DA December 1, 1974
BT1 Planets

→**JURAGUA-1 REACTOR [01]**
(Juragua, Cienfuegos, Cuba)
DA March 4, 1993
BT1 WWER Type Reactors
BT2 PWR Type Reactors
BT3 Enriched Uranium Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors
BT3 Thermal Reactors
BT4 Reactors
BT3 Water Cooled Reactors
BT4 Reactors
BT3 Water Moderated Reactors
BT4 Reactors

JURASSIC PERIOD [01]
DA October 19, 1977
BT1 Mesozoic Era
BT2 Geologic Ages

Justice Department
DA August 25, 1980
USE US DOJ

JUTE [01]
DA December 1, 1974
BT1 Corchorus
BT2 Magnoliopsida
BT3 Magnoliophyta
BT4 Plants
RT Fibers
RT Textiles

JUVENILES [01]
DA April 19, 1976
RT Adolescents
RT Age Groups

JXFR Reactor
DA January 7, 1982
USE JXFR Tokamak

JXFR TOKAMAK [01]
DA January 7, 1982
UF *JAERI Experimental Fusion Reactor*
UF *JXFR Reactor*
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

K*0-1350 MESONS [01]
(Prior to February 1988 this concept was indexed by K-1320 RESONANCES.)
DA February 2, 1988
UF *K-1320 Resonances*
BT1 Scalar Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles
BT1 Strange Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles
BT2 Strange Particles
BT3 Elementary Particles

K*2-1430 MESONS [01]
(Prior to February 1988 this concept was indexed by K-1420 RESONANCES.)
DA February 2, 1988
UF *K-1420 Resonances*
BT1 Strange Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles
BT2 Strange Particles
BT3 Elementary Particles
BT1 Tensor Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

K*3-1780 MESONS [01]
DA February 2, 1988
BT1 Strange Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles
BT2 Strange Particles
BT3 Elementary Particles
BT1 Tensor Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

K*4-2060 MESONS [01]
(Prior to February 1988 this concept was indexed by K-2130 RESONANCES.)
DA February 2, 1988
UF *K-2130 Resonances*
BT1 Strange Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles
BT2 Strange Particles
BT3 Elementary Particles
BT1 Tensor Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

K1-1280 MESONS [01]
DA February 2, 1988
SF *Q Enhancement*
SF *Q Resonances*
BT1 Axial Vector Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles
BT1 Strange Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles
BT2 Strange Particles
BT3 Elementary Particles

K1-1400 MESONS [01]
DA February 2, 1988
SF *Q Enhancement*
SF *Q Resonances*
BT1 Axial Vector Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles
BT1 Strange Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles
BT2 Strange Particles
BT3 Elementary Particles

K2-1580 MESONS [01]
DA February 2, 1988
SF *L Resonances*
BT1 Strange Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles
BT2 Strange Particles
BT3 Elementary Particles
BT1 Tensor Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

K2-1770 MESONS [01]
(Prior to February 1988 this concept was indexed by K-1775 RESONANCES.)
DA February 2, 1988
UF *K-1775 Resonances*
SF *L Resonances*
BT1 Strange Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles
BT2 Strange Particles
BT3 Elementary Particles
BT1 Tensor Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

K2-2250 MESONS [01]
DA February 2, 1988
BT1 Strange Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles
BT2 Strange Particles
BT3 Elementary Particles
BT1 Tensor Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

K-25 Plant
DA February 13, 1975
USE ORGDP

K3-2320 MESONS [01]
DA February 2, 1988
BT1 Strange Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles
BT2 Strange Particles
BT3 Elementary Particles
BT1 Tensor Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

K4-2500 MESONS [01]
DA February 2, 1988
BT1 Strange Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles
BT2 Strange Particles
BT3 Elementary Particles
BT1 Tensor Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

K01
DA December 1, 1974
USE Kaons Neutral Short-Lived

K02
DA December 1, 1974
USE Kaons Neutral Long-Lived

K*-892 MESONS [01]
(Prior to February 1988 this concept was indexed by K-892 RESONANCES.)
DA February 2, 1988
UF *K-892 Resonances*
BT1 Strange Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles
BT2 Strange Particles
BT3 Elementary Particles
BT1 Vector Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

K-892 Resonances
(Prior to February 1988 this was a valid descriptor.)
DA December 1, 1974
USE K*-892 Mesons

K-1240 Resonances
(Prior to March 1988 this was a valid descriptor.)
DA December 1, 1974
USE Strange Mesons

K-1320 Resonances
(Prior to February 1988 this was a valid descriptor.)
DA December 1, 1974
USE K*0-1350 Mesons

K*-1410 MESONS [01]
DA February 2, 1988
BT1 Strange Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles
BT2 Strange Particles
BT3 Elementary Particles
BT1 Vector Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

K-1420 Resonances
(Prior to February 1988 this was a valid descriptor.)
DA December 1, 1974
USE K*2-1430 Mesons

K-1460 MESONS [01]
DA February 2, 1988
BT1 Pseudoscalar Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles
BT1 Strange Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles
BT2 Strange Particles
BT3 Elementary Particles

K-1775 Resonances
(Prior to February 1988 this was a valid descriptor.)
DA December 1, 1974
USE K2-1770 Mesons

K*-1790 MESONS [01]
DA February 2, 1988
BT1 Strange Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles
BT2 Strange Particles
BT3 Elementary Particles
BT1 Vector Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

K-1830 MESONS [01]
DA February 2, 1988
BT1 Pseudoscalar Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles
BT1 Strange Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles
BT2 Strange Particles
BT3 Elementary Particles

K-1871 Resonances
(Prior to March 1988 this was a valid descriptor.)
DA March 8, 1978
USE Strange Mesons

K-2130 Resonances
(Prior to February 1988 this was a valid descriptor.)
DA October 23, 1979
USE K*4-2060 Mesons

K ABSORPTION [01]
DA December 1, 1974
BT1 Absorption
BT2 Sorption

K CAPTURE [01]
DA December 1, 1974
BT1 Electron Capture Decay
BT2 Beta Decay
BT3 Nuclear Decay
BT4 Decay

K CODES [01]
DA December 1, 1974
BT1 Computer Codes

K CONVERSION [01]
DA December 1, 1974
UF *K-Conversion Coefficient*
BT1 Internal Conversion
BT2 Conversion
BT2 Nuclear Decay
BT3 Decay

K-Conversion Coefficient
DA December 1, 1974
USE K Conversion

K-HARMONICS METHOD [01]
DA January 21, 1975
BT1 Calculation Methods
RT Nuclear Structure

K MATRIX [01]
DA December 1, 1974
BT1 Matrices
RT Nuclear Reactions
RT Unitary Pole Approximation

K REACTOR [01]
DA December 1, 1974
UF *Savannah River Plant K Reactor*
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Special Production Reactors
BT2 Production Reactors
BT3 Reactors

*K*Resonances*
(Prior to August 1988, this was a valid descriptor.)
DA December 1, 1974
USE Strange Mesons

K SHELL [01]
DA August 24, 1976
UF *Atomic Shells (K)*
BT1 Electronic Structure

KAERI [01]
(Korea Advanced Energy Research Institute.)
DA February 9, 1982
UF *Korea Advanced Energy Research Institute*
BT1 Korean Organizations
BT2 National Organizations

Kahl-Main Reactor
DA December 1, 1974
USE HDR Reactor

Kahl-VAK Reactor
DA December 1, 1974
USE VAK Reactor

KAHLERITE [01]
DA December 1, 1974
BT1 Arsenic Oxides
BT2 Arsenic Compounds
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT1 Iron Oxides
BT2 Iron Compounds
BT3 Transition Element Compounds
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT1 Oxide Minerals
BT2 Minerals
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
BT1 Uranium Oxides
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT2 Uranium Compounds
BT3 Actinide Compounds

KAHTER REACTOR [01]
DA November 26, 1975
UF *Kritische Anlage zum HTR*
BT1 HTGR Type Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT2 Graphite Moderated Reactors
BT3 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

→**KAIGA-1 REACTOR [01]**
(Kaiga, Karnatka, India)
DA March 4, 1993
BT1 Candu Type Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT2 Pressure Tube Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 PHWR Type Reactors

BT2 Heavy Water Cooled Reactors
BT3 Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors

→**KAIGA-2 REACTOR [01]**
(Kaiga, Karnataka, India)
DA March 4, 1993
BT1 Candu Type Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT2 Pressure Tube Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 PHWR Type Reactors
BT2 Heavy Water Cooled Reactors
BT3 Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors

KAINOSITE [01]
DA December 1, 1974
BT1 Calcium Silicates
BT2 Calcium Compounds
BT3 Alkaline Earth Metal Compounds
BT2 Silicates
BT3 Oxygen Compounds
BT3 Silicon Compounds
BT1 Cerium Silicates
BT2 Cerium Compounds
BT3 Rare Earth Compounds
BT2 Silicates
BT3 Oxygen Compounds
BT3 Silicon Compounds
BT1 Radioactive Minerals
BT2 Minerals
BT2 Radioactive Materials
BT3 Materials
BT1 Silicate Minerals
BT2 Minerals
BT1 Yttrium Silicates
BT2 Silicates
BT3 Oxygen Compounds
BT3 Silicon Compounds
BT2 Yttrium Compounds
BT3 Transition Element Compounds

KAISERAUGST REACTOR [01]
DA April 4, 1975
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

KAKKONDA GEOTHERMAL FIELD [01]
DA October 23, 1979
BT1 Geothermal Fields
RT Japan

→**KAKRAPAR-1 REACTOR [01]**
(Surat, Gujarat, India)
DA April 16, 1993
BT1 Candu Type Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT2 Pressure Tube Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 PHWR Type Reactors
BT2 Heavy Water Cooled Reactors
BT3 Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors

→**KAKRAPAR-2 REACTOR [01]**
(Surat, Gajarat, India)
DA April 16, 1993
BT1 Candu Type Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT2 Pressure Tube Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 PHWR Type Reactors
BT2 Heavy Water Cooled Reactors
BT3 Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors

KALE [01]
DA January 21, 1975
BT1 Brassica
BT2 Magnoliopsida
BT3 Magnoliophyta
BT4 Plants
BT2 Vegetables
BT3 Food
BT3 Plants
BT1 Vegetables
BT2 Food
BT2 Plants

KALININ-1 REACTOR [01]
DA September 20, 1984
BT1 WWER Type Reactors
BT2 PWR Type Reactors
BT3 Enriched Uranium Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors
BT3 Thermal Reactors
BT4 Reactors
BT3 Water Cooled Reactors
BT4 Reactors
BT3 Water Moderated Reactors
BT4 Reactors

KALININ-3 REACTOR [01]
(Kalinin NPP, Kalinin, USSR.)
DA February 13, 1990
BT1 WWER Type Reactors
BT2 PWR Type Reactors
BT3 Enriched Uranium Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors
BT3 Thermal Reactors
BT4 Reactors
BT3 Water Cooled Reactors
BT4 Reactors
BT3 Water Moderated Reactors
BT4 Reactors

Kalkar Power Reactor
DA October 1, 1975
USE SNR Reactor

KALLIKREIN [01]
(Prior to January 1981 this was a valid descriptor and older material is so indexed. From January 1981 to November 1990 this material was indexed to Kininogenin.)
DA December 1, 1974
UF *Kininogenin*
BT1 Blood Coagulation Factors
BT2 Coagulants
BT3 Hematologic Agents
BT4 Drugs
BT2 Proteins
BT3 Organic Compounds
BT1 Radioprotective Substances
BT2 Drugs
BT1 Serine Proteinases
BT2 Peptide Hydrolases
BT3 Hydrolases
BT4 Enzymes
BT5 Proteins
BT6 Organic Compounds

KALPAKKAM-1 REACTOR [01]
(Kalpakkam, Tamilnadu, India)
DA December 1, 1974
BT1 PHWR Type Reactors
BT2 Heavy Water Cooled Reactors
BT3 Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors

KALPAKKAM-2 REACTOR [01]
(Kalpakkam, Tamilnadu, India)
DA December 1, 1974
BT1 PHWR Type Reactors
BT2 Heavy Water Cooled Reactors
BT3 Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors

KALPAKKAM LMFBR REACTOR [01]
(Kalpakkam, Tamilnadu, India.)
DA December 1, 1974
UF *Test Fast Breeder Reactor Kalpakkam*
BT1 LMFBR Type Reactors
BT2 FBR Type Reactors
BT3 Breeder Reactors
BT4 Reactors
BT3 Fast Reactors
BT4 Epithermal Reactors
BT5 Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors

KALPAKKAM PFR REACTOR [01]
(Kalpakkam, Tamilnadu, India.)
DA December 16, 1975
UF *Kalpakkam Pulsed Fast Reactor*
BT1 Air Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Fast Reactors
BT2 Epithermal Reactors
BT3 Reactors
BT1 Pulsed Reactors
BT2 Reactors
BT1 Research and Test Reactors
BT2 Reactors

Kalpakkam Pulsed Fast Reactor
DA December 16, 1975
USE Kalpakkam PFR Reactor

Kalpakkam Reactor Research Center
(Reactor Research Centre, Kalpakkam, India.)
DA June 3, 1977
USE IGCAR

KALUZA-KLEIN THEORY [01]
DA February 10, 1984
BT1 Unified-Field Theories
BT2 Field Theories
RT Compactification
RT Electromagnetism
RT General Relativity Theory
RT Gravitation
RT Supergravity
RT Unified Gauge Models

KAMCHATKA [01]
DA June 14, 1978
BT1 Russian Federation
BT2 Eastern Europe
BT3 Europe

KAMINI REACTOR [01]
(IGCAR, Kalpakkam, Tamilnadu, India.)
DA January 3, 1990
BT1 Research and Test Reactors

BT2 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors

KAMOJANG GEOTHERMAL FIELD [01]
DA March 4, 1980
BT1 Geothermal Fields
RT Indonesia

Kangaroo Rat
(Long-tailed jumping rat of western U.S.A.)
DA December 1, 1974
USE Rodents

Kangaroos
DA June 15, 1981
USE Marsupials

Kansai-1 Reactor
DA December 1, 1974
USE Mihama-1 Reactor

Kansai-2 Reactor
DA December 1, 1974
USE Mihama-2 Reactor

Kansai-3 Reactor
DA December 1, 1974
USE Takahama-1 Reactor

Kansai-4 Reactor
DA December 1, 1974
USE Takahama-2 Reactor

KANSAS [01]
DA December 1, 1974
BT1 USA
BT2 Developed Countries
BT2 North America
RT Chattanooga Formation
RT Missouri River
RT Ozark Region
RT Permian Basin

KANSAS CITY PLANT [01]
(US DOE Facility in Kansas City, Missouri.)
DA May 23, 1988
BT1 US DOE
BT2 US Organizations
BT3 National Organizations
BT1 US ERDA
BT2 US Organizations
BT3 National Organizations
RT Missouri

Kansas State University TRIGA Mk-II
DA December 1, 1974
USE TRIGA-2-Kansas Reactor

KANTHAL [01]
DA December 1, 1974
BT1 Aluminium Alloys
BT2 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Cobalt Alloys
BT2 Alloys
BT1 Iron Base Alloys
BT2 Iron Alloys
BT3 Alloys

KANUPP REACTOR [01]
(Paradise Point, Sind, Pakistan)
DA December 1, 1974
UF *Karachi Nuclear Power Plant*
BT1 Candu Type Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT2 Pressure Tube Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 PHWR Type Reactors
BT2 Heavy Water Cooled Reactors
BT3 Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors

KAOLIN [01]
DA December 1, 1974
UF *China Clay*
BT1 Clays
RT Kaolinite
DEF A group of clay minerals, mainly hydrous aluminium silicate, having the approximate composition $Al_2O_3.2SiO_2.2H_2O$.

KAOLINITE [01]
DA June 12, 1975
BT1 Aluminium Silicates
BT2 Aluminium Compounds
BT2 Silicates
BT3 Oxygen Compounds
BT3 Silicon Compounds
BT1 Silicate Minerals
BT2 Minerals
RT Kaolin
DEF A hydrous silicate of aluminum, $Al_2Si_2O_5(OH)_4$, that constitutes the principal mineral in kaolin.

KAON BEAMS [01]
DA December 1, 1974
BT1 Meson Beams
BT2 Particle Beams
BT3 Beams

KAON DETECTION [01]
DA January 21, 1975
BT1 Radiation Detection
BT2 Detection

KAON-DEUTERON INTERACTIONS
DA February 5, 1975
UF *Kaon Minus-Deuteron Interactions*
UF *Kaon Neutral-Deuteron Interactions*
UF *Kaon Plus-Deuteron Interactions*
BT1 Meson-Baryon Interactions
BT2 Hadron-Hadron Interactions
BT3 Particle Interactions
BT4 Interactions
RT Deuterons
RT Kaons

KAON-HYPERON INTERACTIONS [01]
DA December 1, 1974
BT1 Meson-Hyperon Interactions
BT2 Meson-Baryon Interactions
BT3 Hadron-Hadron Interactions
BT4 Particle Interactions
BT5 Interactions

KAON-KAON INTERACTIONS [01]
DA December 1, 1974
BT1 Meson-Meson Interactions
BT2 Hadron-Hadron Interactions
BT3 Particle Interactions
BT4 Interactions

Kaon Minus-Deuteron Interactions
DA February 6, 1975
USE Kaon-Deuteron Interactions

KAON MINUS-NEUTRON INTERACTIONS [01]
DA July 9, 1976
BT1 Kaon-Neutron Interactions
BT2 Kaon-Nucleon Interactions
BT3 Meson-Nucleon Interactions
BT4 Meson-Baryon Interactions
BT5 Hadron-Hadron Interactions
BT6 Particle Interactions
BT7 Interactions

KAON MINUS-PROTON INTERACTIONS [01]
DA July 9, 1976
BT1 Kaon-Proton Interactions
BT2 Kaon-Nucleon Interactions
BT3 Meson-Nucleon Interactions
BT4 Meson-Baryon Interactions
BT5 Hadron-Hadron Interactions
BT6 Particle Interactions
BT7 Interactions

KAON MINUS REACTIONS [01]
DA July 9, 1976
BT1 Kaon Reactions
BT2 Meson Reactions
BT3 Charged-Particle Reactions
BT4 Nuclear Reactions
BT3 Hadron Reactions
BT4 Nuclear Reactions

Kaon Neutral-Deuteron Interactions
DA February 6, 1975
USE Kaon-Deuteron Interactions

KAON NEUTRAL-NEUTRON INTERACTIONS [01]
DA July 9, 1976
BT1 Kaon-Neutron Interactions
BT2 Kaon-Nucleon Interactions
BT3 Meson-Nucleon Interactions
BT4 Meson-Baryon Interactions
BT5 Hadron-Hadron Interactions
BT6 Particle Interactions
BT7 Interactions

KAON NEUTRAL-PROTON INTERACTIONS [01]
DA July 9, 1976
BT1 Kaon-Proton Interactions
BT2 Kaon-Nucleon Interactions
BT3 Meson-Nucleon Interactions
BT4 Meson-Baryon Interactions
BT5 Hadron-Hadron Interactions
BT6 Particle Interactions
BT7 Interactions

KAON NEUTRAL REACTIONS [01]
DA July 9, 1976
BT1 Kaon Reactions
BT2 Meson Reactions
BT3 Charged-Particle Reactions
BT4 Nuclear Reactions
BT3 Hadron Reactions
BT4 Nuclear Reactions

KAON-NEUTRON INTERACTIONS [01]
DA December 1, 1974
BT1 Kaon-Nucleon Interactions
BT2 Meson-Nucleon Interactions
BT3 Meson-Baryon Interactions
BT4 Hadron-Hadron Interactions
BT5 Particle Interactions
BT6 Interactions
NT1 Kaon Minus-Neutron Interactions
NT1 Kaon Neutral-Neutron Interactions
NT1 Kaon Plus-Neutron Interactions

KAON-NUCLEON INTERACTIONS [01]
DA December 1, 1974
BT1 Meson-Nucleon Interactions
BT2 Meson-Baryon Interactions
BT3 Hadron-Hadron Interactions
BT4 Particle Interactions
BT5 Interactions
NT1 Kaon-Neutron Interactions
NT2 Kaon Minus-Neutron Interactions
NT2 Kaon Neutral-Neutron Interactions
NT2 Kaon Plus-Neutron Interactions
NT1 Kaon-Proton Interactions
NT2 Kaon Minus-Proton Interactions
NT2 Kaon Neutral-Proton Interactions
NT2 Kaon Plus-Proton Interactions

Kaon Plus-Deuteron Interactions
DA February 6, 1975
USE Kaon-Deuteron Interactions

KAON PLUS-NEUTRON INTERACTIONS [01]
DA July 9, 1976
BT1 Kaon-Neutron Interactions
BT2 Kaon-Nucleon Interactions
BT3 Meson-Nucleon Interactions
BT4 Meson-Baryon Interactions
BT5 Hadron-Hadron Interactions
BT6 Particle Interactions
BT7 Interactions

KAON PLUS-PROTON INTERACTIONS [01]
DA July 9, 1976
BT1 Kaon-Proton Interactions
BT2 Kaon-Nucleon Interactions
BT3 Meson-Nucleon Interactions
BT4 Meson-Baryon Interactions
BT5 Hadron-Hadron Interactions
BT6 Particle Interactions
BT7 Interactions

KAON PLUS REACTIONS [01]
DA July 9, 1976
BT1 Kaon Reactions
BT2 Meson Reactions
BT3 Charged-Particle Reactions
BT4 Nuclear Reactions
BT3 Hadron Reactions
BT4 Nuclear Reactions

KAON-PROTON INTERACTIONS [01]
DA December 1, 1974
BT1 Kaon-Nucleon Interactions
BT2 Meson-Nucleon Interactions
BT3 Meson-Baryon Interactions
BT4 Hadron-Hadron Interactions
BT5 Particle Interactions
BT6 Interactions
NT1 Kaon Minus-Proton Interactions
NT1 Kaon Neutral-Proton Interactions
NT1 Kaon Plus-Proton Interactions

KAON REACTIONS [01]
DA December 1, 1974
BT1 Meson Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions
BT2 Hadron Reactions
BT3 Nuclear Reactions
NT1 Kaon Minus Reactions
NT1 Kaon Neutral Reactions
NT1 Kaon Plus Reactions

KAONIC ATOMS [01]
DA December 1, 1974
BT1 Mesic Atoms
BT2 Hadronic Atoms
BT3 Atoms
RT Kaonium

KAONIUM [01]
DA December 13, 1985
RT Bound State
RT Kaonic Atoms
RT Kaons Minus
RT Kaons Plus
RT Muonium
RT Pionium

KAONS [01]
DA December 1, 1974
BT1 Pseudoscalar Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles
BT1 Strange Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles
BT2 Strange Particles
BT3 Elementary Particles
NT1 Antikaons
NT2 Antikaons Neutral
NT1 Cosmic Kaons
NT1 Kaons Minus
NT1 Kaons Neutral
NT2 Antikaons Neutral
NT2 Kaons Neutral Long-Lived
NT2 Kaons Neutral Short-Lived
NT1 Kaons Plus
RT Kaon-Deuteron Interactions
RT Pi-K Atoms

Kaons 1
DA December 1, 1974
USE Kaons Neutral Short-Lived

Kaons 2
DA December 1, 1974
USE Kaons Neutral Long-Lived

KAONS MINUS [01]
DA December 1, 1974
BT1 Kaons
BT2 Pseudoscalar Mesons
BT3 Mesons
BT4 Bosons
BT4 Hadrons
BT5 Elementary Particles
BT2 Strange Mesons
BT3 Mesons
BT4 Bosons
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles
RT Kaonium

KAONS NEUTRAL [01]
DA December 1, 1974
BT1 Kaons
BT2 Pseudoscalar Mesons
BT3 Mesons
BT4 Bosons
BT4 Hadrons
BT5 Elementary Particles
BT2 Strange Mesons
BT3 Mesons
BT4 Bosons
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles
NT1 Antikaons Neutral
NT1 Kaons Neutral Long-Lived
NT1 Kaons Neutral Short-Lived

KAONS NEUTRAL LONG-LIVED [01]
DA December 1, 1974
UF *K02*
UF *Kaons 2*
BT1 Kaons Neutral
BT2 Kaons
BT3 Pseudoscalar Mesons
BT4 Mesons
BT5 Bosons
BT5 Hadrons
BT6 Elementary Particles
BT3 Strange Mesons
BT4 Mesons
BT5 Bosons
BT5 Hadrons
BT6 Elementary Particles
BT4 Strange Particles
BT5 Elementary Particles

KAONS NEUTRAL SHORT-LIVED [01]
DA December 1, 1974
UF *K01*
UF *Kaons 1*
BT1 Kaons Neutral
BT2 Kaons
BT3 Pseudoscalar Mesons
BT4 Mesons
BT5 Bosons
BT5 Hadrons
BT6 Elementary Particles
BT3 Strange Mesons
BT4 Mesons
BT5 Bosons
BT5 Hadrons
BT6 Elementary Particles
BT4 Strange Particles
BT5 Elementary Particles

KAONS PLUS [01]
DA December 1, 1974
BT1 Kaons
BT2 Pseudoscalar Mesons
BT3 Mesons
BT4 Bosons
BT4 Hadrons
BT5 Elementary Particles
BT2 Strange Mesons
BT3 Mesons
BT4 Bosons
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles
RT Kaonium

KAPITZA RESISTANCE [01]
DA December 1, 1974
BT1 Thermal Boundary Resistance

KAPL [01]
DA December 1, 1974
UF *Knolls Atomic Power Laboratory*
BT1 US AEC
BT2 US Organizations
BT3 National Organizations
BT1 US DOE
BT2 US Organizations
BT3 National Organizations
BT1 US ERDA
BT2 US Organizations
BT3 National Organizations

Kappa-725 Resonances
(Prior to March 1988 this was a valid descriptor.)
DA December 1, 1974
USE Mesons

Kapur-Peierls Method
DA December 1, 1974
USE Peierls Method

Karachi Nuclear Power Plant
DA December 1, 1974
USE KANUPP Reactor

KARLSRUHE CYCLOTRON [01]
DA December 1, 1974
BT1 Isochronous Cyclotrons
BT2 Cyclotrons
BT3 Cyclic Accelerators
BT4 Accelerators

Karlsruhe Nuclear Research Center
DA May 8, 1975
USE Kernforschungszentrum Karlsruhe

Karlsruhe Reprocessing Plant
DA February 23, 1979
USE WAK

Karlsruhe Research Reactor FR-2
DA December 1, 1974
USE FR-2 Reactor

KARYOTYPE [01]
DA December 1, 1974
RT Acrocentric Chromosomes
RT Chromosomal Aberrations
RT Chromosomes
RT Genome Mutations

Kashima-1 Reactor
DA December 1, 1974
USE Shimane-1 Reactor

Kashiwazaki-1 Reactor
(Prior to September 1989 this was a valid descriptor.)
DA September 26, 1979
USE Kashiwazaki-Kariwa-1 Reactor

KASHIWAZAKI-KARIWA-1 REACTOR [01]
(Prior to September 1989, this concept was indexed to KASHIWAZAKI-1 REACTOR.)
DA September 18, 1989
UF *Kashiwazaki-1 Reactor*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors

BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

KASHIWAZAKI-KARIWA-2 REACTOR [01]
(Niigata, Japan.)
DA May 7, 1985
UF *Tokyo Denryoku K-2 Reactor*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

→**KASHIWAZAKI-KARIWA-4 REACTOR [01]**
(Niigata, Japan.)
DA January 15, 1991
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

KASHIWAZAKI-KARIWA-5 REACTOR [01]
(Niigata, Japan.)
DA December 2, 1988
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

KASHIWAZAKI-KARIWA-6 REACTOR [01]
(Niigata, Japan.)
DA October 16, 1989
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

KASHIWAZAKI-KARIWA-7 REACTOR [01]
(Niigata, Japan.)
DA October 16, 1989
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

Kasseri Event
DA June 21, 1977
USE Anvil Project

Kawasaki-Hitachi Training Reactor
DA December 1, 1974
USE HTR Reactor

KAWERAU GEOTHERMAL FIELD
DA January 23, 1975
BT1 Geothermal Fields
RT Geothermal Hot-Water Systems
RT New Zealand

→**KAZAKHSTAN [01]**
(Prior to December 1992, this was indexed by USSR.)
DA December 3, 1992
BT1 Asia
RT USSR

KAZAKHSTAN CYCLOTRON [01]
DA June 16, 1975
BT1 Isochronous Cyclotrons
BT2 Cyclotrons
BT3 Cyclic Accelerators
BT4 Accelerators

KBR-1 REACTOR
(Soviet annular oscillator fast reactor.)
DA January 28, 1975
UF *Cobra Reactor*
BT1 Fast Reactors
BT2 Epithermal Reactors
BT3 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

KBW GASIFICATION PROCESS
DA December 23, 1982
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes
DEF Entrained flow coal gasification process under development by Koppers and Babcock & Wilcox.

KCB Reactor
DA December 1, 1974
USE Borssele Reactor

KDF COMPUTERS [01]
DA December 1, 1974
BT1 Computers

KECEROVCE-1 REACTOR [01]
(East Slovakia, Czechoslovakia.)
DA February 13, 1990
BT1 WWER Type Reactors
BT2 PWR Type Reactors
BT3 Enriched Uranium Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors
BT3 Thermal Reactors
BT4 Reactors
BT3 Water Cooled Reactors
BT4 Reactors
BT3 Water Moderated Reactors
BT4 Reactors

Keelson Event
DA June 21, 1977
USE Anvil Project

KEK Inters. Storage Accelerator
DA October 24, 1981
USE Tristan Storage Rings

KEK LINAC [01]
DA December 1, 1974
BT1 Linear Accelerators
BT2 Accelerators

KEK PHOTON FACTORY [01]
DA August 20, 1984
BT1 Synchrotron Radiation Sources
BT2 Radiation Sources
RT Linear Accelerators
RT Storage Rings
RT Synchrotron Radiation

KEK SYNCHROTRON [01]
(Japan National Lab for High Energy Physics Synchrotron.)
DA April 4, 1975
UF *Tsukuba KEK Synchrotron*
BT1 Synchrotrons
BT2 Cyclic Accelerators
BT3 Accelerators

KEL-F [01]
DA December 1, 1974
BT1 Organic Chlorine Compounds
BT2 Organic Halogen Compounds
BT3 Organic Compounds
BT1 Organic Fluorine Compounds
BT2 Organic Halogen Compounds
BT3 Organic Compounds
BT1 Polyethylenes
BT2 Polyolefins
BT3 Organic Polymers
BT4 Organic Compounds
BT4 Polymers

KELLOGG PROCESS
DA January 24, 1975
UF *Molten Salt Process (Kellogg)*
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes
BT1 SNG Processes
RT High BTU Gas
DEF M. W. Kellogg Company process for producing high-Btu gas in which synthesis gas, produced by using molten salt (sodium carbonate) to provide heat and possibly catalyze the reaction, is methanated.

Kellogg Rust Westinghouse Process
DA July 19, 1985
USE KRW Gasification Process

Kelp
DA December 15, 1976
USE Seaweeds

Kelvin-Helmholtz Instability
DA December 1, 1974
USE Helmholtz Instability

Kema Suspension Test Reactor
DA December 1, 1974
USE KSTR Reactor

KENNEBEC RIVER [01]
DA October 27, 1980
BT1 Rivers
BT2 Streams
BT3 Surface Waters
RT Maine

KENTUCKY [01]
DA December 1, 1974
BT1 USA
BT2 Developed Countries
BT2 North America
RT Chattanooga Formation
RT Cumberland River
RT Illinois Basin
RT Mississippi River
RT Ohio River
RT Shawnee Steam Plant
RT Tennessee River
RT Tennessee Valley Region

KENYA [01]
DA December 1, 1974
BT1 Africa
BT1 Developing Countries

KEPCO Oshima Oi-1 Reactor
DA December 1, 1974
USE Oi-1 Reactor

KEPCO Oshima Oi-2 Reactor
DA December 1, 1974
USE Oi-2 Reactor

KEPONE
DA September 11, 1978
BT1 Insecticides
BT2 Pesticides
RT Organic Chlorine Compounds

KERATIN [01]
DA December 1, 1974

BT1 Scleroproteins
BT2 Proteins
BT3 Organic Compounds

KERMA [01]
DA December 1, 1974
RT Energy Deposition
RT Ionization
RT Kinetic Energy
RT Radiation Doses
DEF Total kinetic energy of charged particles produced by ionizing radiation per unit mass of irradiated material in ergs per gram.

KERNELS [01]
DA December 1, 1974
NT1 Point Kernels
RT Integral Equations

Kernels (Fuel)
DA December 1, 1974
USE Fuel Particles

Kernels (Slowing-Down)
DA December 1, 1974
USE Slowing-Down Kernels

KERNFORSCHUNGSANLAGE JUELICH [01]
DA December 1, 1974
BT1 German FR Organizations
BT2 National Organizations

KERNFORSCHUNGSZENTRUM KARLSRUHE [01]
DA December 1, 1974
UF *Karlsruhe Nuclear Research Center*
BT1 German FR Organizations
BT2 National Organizations

Kernfysisch Versneller Instituut
DA October 19, 1977
USE KVI

Kernkraftwerk Biblis
DA December 1, 1974
USE Biblis-1 Reactor
AND Biblis-A Reactor

Kernkraftwerk Biblis-3
DA November 2, 1976
USE Biblis-3 Reactor

Kernkraftwerk Biblis-4
DA November 2, 1976
USE Biblis-4 Reactor

Kernkraftwerk Brokdorf
DA November 2, 1976
USE Brokdorf Reactor

Kernkraftwerk Emsland
DA March 29, 1980
USE Emsland Reactor

Kernkraftwerk Goesgen-Daeniken
DA December 1, 1974
USE Goesgen Reactor

Kernkraftwerk Isar
DA December 1, 1974
USE Isar Reactor

Kernkraftwerk Isar-2
DA October 5, 1982
USE Isar-2 Reactor

Kernkraftwerk Lingen
DA December 1, 1974
USE Lingen Reactor

Kernkraftwerk Niederaichbach
DA December 1, 1974
USE Niederaichbach Reactor

Kernkraftwerk Obrigheim
DA December 1, 1974
USE Obrigheim Reactor

Kernkraftwerk Philippsburg-1
DA December 1, 1974
USE Philippsburg-1 Reactor

Kernkraftwerk Philippsburg-2
DA December 1, 1974
USE Philippsburg-2 Reactor

Kernkraftwerk RWE-Bayernwerk
DA December 1, 1974
USE RWE-Bayernwerk Reactor

Kernkraftwerk Stade
DA December 1, 1974
USE Stade Reactor

Kernkraftwerk Wuergassen
DA December 1, 1974
USE Wuergassen Reactor

KEROGEN
DA January 27, 1975
BT1 Bituminous Materials
BT2 Carbonaceous Materials
BT3 Materials
BT1 Organic Matter
BT2 Matter
RT Oil Shales
RT Shale Oil
DEF Solid, bituminous mineraloid substance in oil shales that yields oil when shales undergo destructive distillation.

KEROSENE [01]
DA December 1, 1974
BT1 Gas Oils
BT2 Petroleum Distillates
BT3 Distillates
BT3 Petroleum Fractions
BT4 Petroleum
BT5 Fossil Fuels
BT6 Energy Sources
BT6 Fuels
BT2 Petroleum Products
BT1 Liquid Fuels
BT2 Fuels
RT Automotive Fuels

KERR EFFECT [01]
DA December 1, 1974
BT1 Dielectric Properties
BT2 Electrical Properties
BT3 Physical Properties
RT Magneto-Optical Effects
RT Polarization
RT Visible Radiation

KERR FIELD [01]
DA December 1, 1974
BT1 Gravitational Fields
RT Axial Symmetry
RT Einstein Field Equations
RT Kerr Metric

KERR METRIC [01]
DA December 1, 1974
BT1 Metrics
RT Kerr Field

KETENES [01]
DA December 1, 1974
BT1 Organic Oxygen Compounds
BT2 Organic Compounds
RT Carboxylic Acids

KETO ACIDS [01]
(For CARBOXYLIC ACIDS only.)
DA December 1, 1974
UF *Oxocarboxylic Acids*
BT1 Carboxylic Acids
BT2 Organic Acids
BT3 Organic Compounds
NT1 Acetoacetic Acid
NT1 Kynurenine
NT1 Levulinic Acid
NT1 Pyruvic Acid

Ketobutyric Acid-beta
DA December 1, 1974
USE Acetoacetic Acid

KETONES [01]
DA December 1, 1974
BT1 Organic Compounds
NT1 2-3-Pentanedione
NT1 Acetone
NT1 Acetophenone
NT1 Acetylacetone
NT1 Androstenedione
NT1 Androsterone
NT1 Benzophenone
NT1 Camphor
* NT1 Corticosteroids
NT1 Curcumin
NT1 Cyclohexanone
NT1 Dianabol
NT1 Estrone
NT1 Fructose
NT1 Hydroxyandrostenone
NT1 Hydroxypregnenone
NT1 Methyl Isobutyl Ketone
NT1 Ninhydrin
NT1 PAPP
NT1 Phlorizin
NT1 POP
NT1 Progesterone
NT1 Ribulose
NT1 Sedoheptulose
NT1 Sorbose
NT1 Testosterone
NT1 Triacetoneamine-N-Oxyl
NT1 Tropones
NT1 TTA
NT1 Violanthrone
RT Acetals
RT Enols
RT Hydrazones
RT Imines
RT Luminol
RT Oximes
RT Quinones
RT Semicarbazones

Ketopropionic Acid-alpha
DA December 1, 1974
USE Pyruvic Acid

Ketosteroids (Urinary)
DA December 1, 1974
USE Urinary Ketosteroids

Ketovaleric Acid-gamma
DA December 1, 1974
USE Levulinic Acid

KEV RANGE [01]
DA December 1, 1974
BT1 Energy Range
NT1 KeV Range 01-10
NT1 KeV Range 10-100
NT1 KeV Range 100-1000

KEV RANGE 01-10 [01]
DA December 1, 1974
BT1 KeV Range
BT2 Energy Range

KEV RANGE 10-100 [01]
DA December 1, 1974
BT1 KeV Range
BT2 Energy Range

KEV RANGE 100-1000 [01]
DA December 1, 1974
BT1 KeV Range
BT2 Energy Range

Kevlar
DA July 6, 1978
USE Aramids

KEWAUNEE REACTOR [01]
(Carlton, Wisconsin, USA)
DA December 1, 1974
UF *Carlton Power Reactor*
UF *Wisconsin Public Service Power Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors

BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

KEWB REACTOR [01]
DA December 1, 1974
UF *Kinetic Experiment Water Boiler*
BT1 Aqueous Homogeneous Reactors
BT2 Liquid Homogeneous Reactors
BT3 Fluid Fueled Reactors
BT4 Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

KEY LAKE MINE [01]
DA July 30, 1991
BT1 Uranium Mines
BT2 Mines
BT3 Underground Facilities
RT Saskatchewan

KFKI Reactor
DA July 29, 1975
USE WWR S-Budapest Reactor

KGRA
DA May 17, 1976
UF *Known Geothermal Resource Area*
NT1 Klamath Falls
NT1 Roosevelt Hot Springs
NT1 Wendell-Amedee Hot Springs
RT Geothermal Fields

KHALATNIKOV THEORY [01]
DA December 1, 1974
RT Superfluidity
RT Thermodynamics

KHARKOV LINAC [01]
DA December 1, 1974
BT1 Linear Accelerators
BT2 Accelerators

KHMELNITSKIJ-1 REACTOR [01]
(Ukrainian SSR, USSR.)
DA October 16, 1989
BT1 WWER Type Reactors
BT2 PWR Type Reactors
BT3 Enriched Uranium Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors
BT3 Thermal Reactors
BT4 Reactors
BT3 Water Cooled Reactors
BT4 Reactors
BT3 Water Moderated Reactors
BT4 Reactors

KHURI REPRESENTATION [01]
DA December 1, 1974
RT Mandelstam Representation

KHZ RANGE [01]
DA December 1, 1974
BT1 Frequency Range
NT1 KHz Range 01-100
NT1 KHz Range 100-1000

KHZ RANGE 01-100 [01]
DA December 1, 1974
BT1 KHz Range
BT2 Frequency Range

KHZ RANGE 100-1000 [01]
DA December 1, 1974
BT1 KHz Range
BT2 Frequency Range

KICKER MAGNETS [01]
DA May 25, 1979
BT1 Electromagnets
BT2 Electrical Equipment
BT3 Equipment
BT2 Magnets
RT Beam Extraction
RT Beam Optics
DEF Magnets used to deflect charged-particle beam for extraction from an accelerator.

Kicksorters
DA December 1, 1974
USE Pulse Analyzers

Kidney Stones
DA December 1, 1974
USE Calculi
AND Urinary Tract

KIDNEYS [01]
DA December 1, 1974
BT1 Organs
BT2 Body
NT1 Glomeruli
NT1 Mechanical Kidney
NT1 Tubules
RT Blood Circulation
RT Calculi
RT Diuretics
RT Excretion
RT Nephrectomy
RT Nephritis
RT Nephrosclerosis
RT Renal Clearance
RT Renin
RT Renography
RT Uremia
RT Urinary Tract
RT Urine
RT Urogenital System Diseases

Kieselguhr
DA April 8, 1975
USE Diatomaceous Earth

KIEV CYCLOTRON [01]
DA February 9, 1982
BT1 Isochronous Cyclotrons
BT2 Cyclotrons
BT3 Cyclic Accelerators
BT4 Accelerators

Kihara Core
DA December 1, 1974
USE Kihara Potential

KIHARA POTENTIAL [01]
DA December 1, 1974
UF *Kihara Core*
UF *Kihara Theory*
BT1 Potentials
RT Atoms
RT Molecules

Kihara Theory
DA December 1, 1974
USE Kihara Potential

KIKUCHI LINES [01]
DA December 1, 1974
RT Crystal Structure
RT Dislocations
RT Electron Diffraction

KILAUEA VOLCANO [01]
DA December 22, 1977
BT1 Volcanoes
RT Hawaii

Kiln Incinerators
DA March 24, 1992
USE Incinerators

KILNGAS PROCESS
DA September 22, 1981
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes
DEF Low Btu gasification process being developed by Allis-Chalmers based on a rotary ported kiln concept

KILNS [01]
DA September 19, 1977
NT1 Solar Kilns
RT Furnaces
DEF A heated enclosure used for drying, burning, or firing materials.

KILO AMP BEAM CURRENTS [01]
(Above 1000 amp.)
DA December 1, 1974
BT1 Beam Currents
BT2 Currents

KILOWATT POWER RANGE [01]
DA August 10, 1989
BT1 Power Range
NT1 Power Range 01-10 kW
NT1 Power Range 10-100 kW
NT1 Power Range 100-1000 kW

KIMBERLITES [01]
DA April 4, 1975
BT1 Lamprophyres
BT2 Volcanic Rocks
BT3 Igneous Rocks
BT4 Rocks
BT1 Peridotites
BT2 Plutonic Rocks
BT3 Igneous Rocks
BT4 Rocks
RT Apatites
RT Mica
RT Olivine
RT Oxide Minerals
RT Perovskite
RT Silicate Minerals

Kinases
DA April 10, 1986
USE Phosphotransferases

Kinases (Phosphotransferases)
DA December 1, 1974
USE Phosphotransferases

Kinematics (Particle)
DA December 1, 1974
USE Particle Kinematics

KINETIC ENERGY [01]
DA December 1, 1974
BT1 Energy
NT1 Transverse Energy
RT Angular Momentum
RT Cold Fission
RT Energy Recovery
RT Kerma
RT Lagrangian Function
RT Linear Momentum
RT Moment of Inertia
RT Motion
RT Particle Rapidity
RT Potential Energy
RT Velocity
RT Virial Theorem

KINETIC EQUATIONS [01]
(For reactor kinetics use REACTOR KINETICS EQUATIONS.)
DA December 1, 1974
BT1 Equations
RT Boltzmann Equation
RT Collisions
RT Gases
RT Plasma
RT Statistical Mechanics

Kinetic Experiment Water Boiler
DA December 1, 1974
USE KEWB Reactor

Kinetic Intense Neutron Generator
DA December 1, 1974
USE King Reactor

KINETICS [01]
DA December 1, 1974
NT1 Reaction Kinetics
NT2 Biochemical Reaction Kinetics
NT2 Chemical Reaction Kinetics
NT3 Combustion Kinetics
NT2 Nuclear Reaction Kinetics
NT1 Reactor Kinetics

RT Collisions
RT Deck Effect
RT Gases
RT Mechanics
RT Motion
RT Statistical Mechanics
RT Translocation

Kinetics Equations (Reactor)
DA December 1, 1974
USE Reactor Kinetics Equations

KINETIN [01]
DA December 1, 1974
UF *6-Furfurylaminopurine*
BT1 Adenines
BT2 Amines
BT3 Organic Compounds
BT2 Antimetabolites
BT3 Drugs
BT2 Purines
BT3 Azaarenes
BT4 Aromatics
BT5 Organic Compounds
BT4 Heterocyclic Compounds
BT5 Organic Compounds
BT4 Organic Nitrogen Compounds
BT5 Organic Compounds
RT Furans
RT Plant Growth
RT Plant Growth Regulators

KING REACTOR [01]
DA December 1, 1974
UF *Kinetic Intense Neutron Generator*
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors

KINGSTON STEAM PLANT [01]
DA November 10, 1981
BT1 Fossil-Fuel Power Plants
BT2 Thermal Power Plants
BT3 Power Plants
RT Tennessee
RT Tennessee Valley Authority

Kininogenin
(Prior to November 1990 this was a valid descriptor.)
DA January 12, 1981
USE Kallikrein

KININS [01]
DA January 21, 1975
BT1 Polypeptides
BT2 Peptides
BT3 Proteins
BT4 Organic Compounds
NT1 Bradykinin

KINK INSTABILITY [01]
DA December 1, 1974
BT1 Plasma Macroinstabilities
BT2 Plasma Instability
BT3 Instability
RT Sawtooth Oscillations

Kinki University UTR-10 Reactor
DA December 1, 1974
USE UTR-10-Kinki Reactor

KINSHASA [01]
DA December 1, 1974
BT1 Zaire Republic
BT2 Africa
BT2 Developing Countries

KIRCHHEIMERITE [01]
DA December 1, 1974
BT1 Arsenic Oxides
BT2 Arsenic Compounds
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT1 Cobalt Oxides
BT2 Cobalt Compounds
BT3 Transition Element Compounds
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT1 Oxide Minerals
BT2 Minerals
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
BT1 Uranium Oxides
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT2 Uranium Compounds
BT3 Actinide Compounds

→**KIRIBATI [01]**
DA April 9, 1991
BT1 Micronesia
BT2 Islands
BT2 Oceania
RT Pacific Ocean

KIRKENDALL EFFECT [01]
DA December 1, 1974
RT Diffusion

KISLOGUBSK POWER PLANT [01]
DA June 30, 1975
BT1 Tidal Power Plants
BT2 Power Plants

KISSLINGER-SORENSEN THEORY [01]
DA December 1, 1974
RT Nuclear Models
RT Superconductivity

KIVITER PROCESS
DA March 8, 1977
RT Oil Shales
DEF Coarsely sized shale is processed in downflow retort, with the raw shale preheating section near the top. Hot recycle gases and gas burner provide heat.

KIWI REACTORS [01]
DA January 21, 1975
UF *Kiwi Type Reactors*
NT1 Kiwi-TNT Reactor

KIWI-TNT REACTOR [01]
DA December 1, 1974
UF *Kiwi-Transient Test Reactor*
UF *TNTR-Kiwi*
UF *Transient Nuclear Test Reactor-Kiwi*
BT1 Experimental Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Hydrogen Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Kiwi Reactors
BT1 Space Propulsion Reactors
BT2 Propulsion Reactors
BT3 Reactors
BT2 Space Power Reactors
BT3 Mobile Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors

Kiwi-Transient Test Reactor
DA December 1, 1974
USE Kiwi-TNT Reactor

Kiwi Type Reactors
DA May 23, 1980
USE Kiwi Reactors

KIZILDERE GEOTHERMAL FIELD [01]
DA July 7, 1976
BT1 Geothermal Fields
RT Turkey

KJELDAHL METHOD [01]
DA December 1, 1974
RT Nitrogen
RT Quantitative Chemical Analysis

KKB Reactor
DA December 1, 1974
SEE Brunsbuettel Reactor

KKI Isar
DA December 1, 1974
USE Isar Reactor

KKI Isar-2
DA October 5, 1982
USE Isar-2 Reactor

KKK Reactor
DA December 1, 1974
USE Kruemmel Reactor

KKN Reactor
DA December 1, 1974
USE Niederaichbach Reactor

KKP-1 Philippsburg Reactor
DA December 1, 1974
USE Philippsburg-1 Reactor

KKP-2 Philippsburg Reactor
DA December 1, 1974
USE Philippsburg-2 Reactor

KKS Reactor
DA December 1, 1974
USE Stade Reactor

KKU Reactor
DA December 1, 1974
USE Unterweser Reactor

KLAMATH FALLS
DA February 11, 1982
BT1 KGRA
RT Geothermal Fields
RT Oregon

KLEBSIELLA [01]
DA July 18, 1979
BT1 Bacteria
BT2 Microorganisms

KLEIN-GORDON EQUATION [01]
DA December 1, 1974
BT1 Wave Equations
BT2 Partial Differential Equations
BT3 Differential Equations
BT4 Equations
RT Quantum Mechanics

KLEIN-NISHINA FORMULA [01]
DA December 1, 1974
RT Compton Effect

→**KLOCKNER-IRON BATH COAL GASIFICATION PROCESS**
DA August 10, 1993
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes
DEF Gasification in a liquid iron bath under pressure containing sulfur fixation agent with coal and oxygen fed from the bottom.

KLYSTRONS [01]
DA December 1, 1974
BT1 Microwave Tubes
BT2 Electron Tubes
BT2 Microwave Equipment
BT3 Electronic Equipment
BT4 Equipment
RT Gyrocons
RT Magnetrons
RT Power Supplies
RT RF Systems

→**KMR REACTOR [01]**
DA July 30, 1991
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Materials Testing Reactors
BT2 Irradiation Reactors

BT3 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors

KNIGHT EFFECT [01]
DA December 1, 1974
RT Spectral Shift

KNIGHT SHIFT [01]
DA December 1, 1974
RT Nuclear Magnetic Resonance
RT Spectral Shift

Knipp-Bloch Theory
DA December 1, 1974
USE Knipp-Uhlenbeck Theory

KNIPP-UHLENBECK THEORY [01]
DA December 1, 1974
UF *Knipp-Bloch Theory*
RT Beta Decay

KNK-2 REACTOR [01]
(Leopoldshafen, Karlsruhe, Federal Republic of Germany)
DA December 1, 1974
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Experimental Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Sodium Cooled Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors
BT1 SZR Type Reactors
BT2 Hydride Moderated Reactors
BT3 Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

KNK REACTOR [01]
(Leopoldshafen, Karlsruhe, Federal Republic of Germany)
DA December 1, 1974
UF *Kompakte Natriumgekuehlte Reaktor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Experimental Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Sodium Cooled Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors
BT1 SZR Type Reactors
BT2 Hydride Moderated Reactors
BT3 Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

KNOCK CONTROL [01]
DA March 16, 1981
BT1 Control
RT Antiknock Ratings
RT Automotive Fuels
RT Combustion
RT Control Equipment
RT Internal Combustion Engines

KNOCK-ON [01]
DA December 1, 1974
RT Recoils

Knock-On Electrons
DA December 1, 1974
USE Electrons

KNOCK-ON REACTIONS [01]
DA December 1, 1974
BT1 Direct Reactions
BT2 Nuclear Reactions
RT Knock-Out Reactions

KNOCK-OUT REACTIONS [01]
DA December 1, 1974
BT1 Direct Reactions
BT2 Nuclear Reactions
RT Knock-On Reactions
RT Recoils

Knolls Atomic Power Laboratory
DA December 1, 1974
USE KAPL

KNOOP HARDNESS [01]
DA December 1, 1974
RT Hardness

KNOWLEDGE BASE [01]
DA September 24, 1985
RT Artificial Intelligence
RT Expert Systems
RT Programming
DEF Facts, assumptions, beliefs, and heuristics; used in dealing with a data base to achieve desired results such as a diagnosis, an interpretation or a solution to a problem.

Known Geothermal Resource Area
DA May 27, 1976
USE KGRA

KNU-9 Reactor
DA July 30, 1991
USE Ulchin-1 Reactor

KNU-10 Reactor
DA July 30, 1991
USE Ulchin-2 Reactor

Knudsen Effusion
DA December 1, 1974
USE Knudsen Flow

KNUDSEN FLOW [01]
DA December 1, 1974
UF *Knudsen Effusion*
UF *Knudsen Number*
BT1 Gas Flow
BT2 Fluid Flow
RT Vapor Pressure

KNUDSEN GAGES [01]
DA December 1, 1974
BT1 Vacuum Gages
BT2 Pressure Gages
BT3 Measuring Instruments

Knudsen Number
DA December 1, 1974
USE Knudsen Flow

KOBAYASHI-MASKAWA MATRIX [01]
DA February 10, 1984
BT1 Matrices
BT1 Unified-Field Theories
BT2 Field Theories
RT Cabibbo Angle
RT Configuration Mixing
RT CP Invariance
RT Flavor Model
DEF Matrix describing the mixing between the three quark-lepton generations (U,D,E),(C,S,MuO) and (T,B,Tau) as a generalization of Cabibbo mixing with allowance of CP violation in the charged-current transition amplitude.

KOEBERG-1 REACTOR [01]
(Duynefontein, Cape, South Africa)
DA December 16, 1975
UF *ESCOM-1 Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

KOEBERG-2 REACTOR [01]
DA February 14, 1978
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

KOLA-1 REACTOR [01]
DA June 14, 1978
BT1 WWER Type Reactors
BT2 PWR Type Reactors
BT3 Enriched Uranium Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors
BT3 Thermal Reactors
BT4 Reactors
BT3 Water Cooled Reactors
BT4 Reactors
BT3 Water Moderated Reactors
BT4 Reactors

KOLA-2 REACTOR [01]
DA June 14, 1978
BT1 WWER Type Reactors
BT2 PWR Type Reactors
BT3 Enriched Uranium Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors
BT3 Thermal Reactors
BT4 Reactors
BT3 Water Cooled Reactors
BT4 Reactors
BT3 Water Moderated Reactors
BT4 Reactors

KOLA-3 REACTOR [01]
DA November 10, 1981
BT1 WWER Type Reactors
BT2 PWR Type Reactors
BT3 Enriched Uranium Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors
BT3 Thermal Reactors
BT4 Reactors
BT3 Water Cooled Reactors
BT4 Reactors
BT3 Water Moderated Reactors
BT4 Reactors

KOLA-4 REACTOR [01]
DA November 10, 1981
BT1 WWER Type Reactors
BT2 PWR Type Reactors
BT3 Enriched Uranium Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors
BT3 Thermal Reactors
BT4 Reactors
BT3 Water Cooled Reactors
BT4 Reactors
BT3 Water Moderated Reactors
BT4 Reactors

KOLMOGOROV EQUATION
DA January 21, 1975
BT1 Differential Equations
BT2 Equations
RT Chapman-Kolmogorov Equation

RT Markov Process
RT Transport Theory

Kompakte Natriumgekuehlte Reaktor
DA December 1, 1974
USE KNK Reactor

KONDO EFFECT [01]
DA December 1, 1974
RT Antiferromagnetic Materials

KONEL [01]
DA December 1, 1974
BT1 Chromium Alloys
BT2 Alloys
BT1 Cobalt Alloys
BT2 Alloys
BT1 Iron Alloys
BT2 Alloys
BT1 Nickel Base Alloys
BT2 Nickel Alloys
BT3 Alloys
BT1 Titanium Alloys
BT2 Alloys

KONRAD ORE MINE [01]
DA December 8, 1989
BT1 Mines
BT2 Underground Facilities
BT1 Radioactive Waste Facilities
BT2 Nuclear Facilities
RT Intermediate-Level Radioactive Wastes
RT Low-Level Radioactive Wastes
RT Radioactive Waste Disposal
RT Shaft Excavations
RT Underground Disposal

KOONGARRA DEPOSIT [01]
DA August 7, 1978
BT1 Uranium Deposits
BT2 Geologic Deposits
BT2 Mineral Resources
BT3 Resources
RT Northern Territory
RT Uranium Ores

KOPPERS PROCESS
DA January 24, 1975
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes
DEF A process for production of water gas or synthesis gas from coal dust.

KOPPERS-TOTZEK PROCESS
DA January 24, 1975
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes
RT SNG Processes
DEF A process in which all types of coal can be reacted at atmospheric pressure and 3300^{0}F with steam and oxygen in a gasifier (a refractory-lined, horizontal, cylindrical vessel with conical ends) to produce intermediate- or high-Btu gas.

KOPPERS VACUUM CARBONATE PROCESS
DA August 9, 1977
BT1 Desulfurization
BT2 Chemical Reactions
RT Waste Processing

Korea (North)
DA December 1, 1974
USE North Korea

Korea (South)
DA December 1, 1974
USE Republic of Korea

Korea Advanced Energy Research Institute
DA February 9, 1982
USE KAERI

KOREAN ORGANIZATIONS [01]
DA February 9, 1982
BT1 National Organizations
NT1 KAERI

Korean TRIGA-Mark-3 Reactor
DA January 28, 1975
USE TRIGA-3-Seoul Reactor

Korean TRIGA-Mark-II Reactor
DA December 1, 1974
USE TRIGA-2-Seoul Reactor

KORI-1 REACTOR [01]
DA December 1, 1974
UF *Pusan Kori-1 Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

KORI-2 REACTOR [01]
DA April 12, 1977
UF *Pusan Kori-2 Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

KORTEWEG-DE VRIES EQUATION [01]
DA December 1, 1974
BT1 Partial Differential Equations
BT2 Differential Equations
BT3 Equations

KOSHKONONG-1 REACTOR [01]
(Name changed to HAVEN-1 REACTOR in July, 1978 and more recent material should be so indexed.)
DA January 21, 1975
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

KOSHKONONG-2 REACTOR [01]
(Name changed to HAVEN-2 REACTOR in July, 1978 and more recent material should be so indexed.)
DA January 21, 1975
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

KOSMOS SATELLITES [01]
DA December 1, 1974
BT1 Satellites
RT Interkosmos Satellites
RT Proton Satellites

KOSSEL METHOD [01]
DA December 1, 1974
RT Laue Method

→KOSTERLITZ-THOULESS THEORY [01]
DA March 4, 1991
RT Superconductivity

KOVAR
DA December 1, 1974
BT1 Cobalt Alloys
BT2 Alloys
BT1 Iron Base Alloys
BT2 Iron Alloys
BT3 Alloys
BT1 Manganese Additions
BT2 Manganese Alloys
BT3 Alloys
BT1 Nickel Alloys
BT2 Alloys

KOZLODUY-1 REACTOR [01]
(Kozloduy, Bulgaria)
DA June 12, 1975
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

KOZLODUY-2 REACTOR [01]
(Kozloduy, Bulgaria.)
DA June 12, 1975
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

→KOZLODUY-3 REACTOR [01]
(Kozloduy, Bulgaria.)
DA January 15, 1991
BT1 WWER Type Reactors
BT2 PWR Type Reactors
BT3 Enriched Uranium Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors
BT3 Thermal Reactors
BT4 Reactors
BT3 Water Cooled Reactors
BT4 Reactors
BT3 Water Moderated Reactors
BT4 Reactors

→KOZLODUY-5 REACTOR [01]
(Kozloduy, Bulgaria)
DA March 4, 1993
BT1 WWER Type Reactors
BT2 PWR Type Reactors
BT3 Enriched Uranium Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors
BT3 Thermal Reactors
BT4 Reactors
BT3 Water Cooled Reactors
BT4 Reactors
BT3 Water Moderated Reactors
BT4 Reactors

KRAFLA GEOTHERMAL FIELD [01]
DA April 5, 1978
BT1 Geothermal Fields
RT Iceland

KRAMERS-KRONIG CORRELATION [01]
DA December 1, 1974
BT1 Correlations

KRAMERS THEOREM [01]
DA December 1, 1974
RT Quantum Mechanics

KRB II-B Reactor
DA May 19, 1976
USE Gundremmingen-2 Reactor

KRB II-C Reactor
DA May 19, 1976
USE Gundremmingen-3 Reactor

KRB Reactor
DA December 1, 1974
USE RWE-Bayernwerk Reactor

KREBS CYCLE [01]
DA December 1, 1974
RT Metabolism
RT Metabolites
RT Mitochondria
RT Respiration

KRIGING [01]
DA October 11, 1983
SF *Geostatistics*
BT1 Statistics
BT2 Mathematics
RT Weighting Functions
DEF A statistical method for estimating spatial and/or temporal distribution of a material based on the theory of regionalized variables.

Kritische Anlage zum HTR
DA November 26, 1975
USE Kahter Reactor

Krito Critical Assembly
DA December 1, 1974
USE STEK Reactor

KRITZ REACTOR [01]
(Studsvik High Temperature Critical Facility.)
DA January 21, 1975
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

KROLL PROCESS [01]
DA December 1, 1974
RT Reduction
RT Titanium

KROLL-RUDERMAN THEOREM [01]
(Prior to March, 1989, this descriptor was spelled KROLL-RUDERMANN THEOREM.)
DA December 1, 1974
RT Photoproduction

KROV MACHINE
(Keller Roto-Oscillating Vane rotary vane and piston machine.)
DA May 6, 1975
RT Rotary Engines
RT Rotors
RT Turbines

KRSKO REACTOR [01]
(Krsko, Yugoslavia)
DA May 5, 1975
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

KRUEMMEL REACTOR [01]
DA December 1, 1974
UF *KKK Reactor*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

KRUSKAL LIMIT [01]
DA December 1, 1974
RT Electric Currents
RT Stellarators

KRW GASIFICATION PROCESS
(Formerly Westinghouse Gasification Process; Kellogg Rust is majority owner.)
DA July 19, 1985
UF *Kellogg Rust Westinghouse Process*
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes
RT Westinghouse Gasification Process

KRYPTON [01]
DA December 1, 1974
BT1 Rare Gases
BT2 Gases
BT3 Fluids
BT2 Nonmetals
BT3 Elements

KRYPTON 70 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Krypton Isotopes
BT2 Isotopes

KRYPTON 71 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Krypton Isotopes
BT2 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

KRYPTON 72 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Krypton Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

KRYPTON 73 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Krypton Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

KRYPTON 74 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Krypton Isotopes
BT2 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

KRYPTON 75 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Krypton Isotopes
BT2 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

KRYPTON 76 [01]
DA December 1, 1974
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Krypton Isotopes
BT2 Isotopes

KRYPTON 76 TARGET [01]
DA May 31, 1985
BT1 Targets

KRYPTON 77 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Krypton Isotopes
BT2 Isotopes

KRYPTON 77 TARGET [01]
DA May 31, 1985
BT1 Targets

KRYPTON 78 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Krypton Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

KRYPTON 78 TARGET [01]
DA September 28, 1976
BT1 Targets

KRYPTON 79 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Krypton Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

KRYPTON 80 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Krypton Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

KRYPTON 80 REACTIONS [01]
DA November 20, 1986
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

KRYPTON 80 TARGET [01]
DA July 9, 1976
BT1 Targets

KRYPTON 81 [01]
DA December 1, 1974
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Krypton Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

KRYPTON 82 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Krypton Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

KRYPTON 82 REACTIONS [01]
DA June 9, 1987
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

KRYPTON 82 TARGET [01]
DA September 28, 1976
BT1 Targets

KRYPTON 83 [01]
DA December 1, 1974
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Krypton Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes
RT Krypton 83 Reactions

KRYPTON 83 REACTIONS [01]
DA December 1, 1974
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions
RT Krypton 83

KRYPTON 83 TARGET [01]
DA September 28, 1976
BT1 Targets

KRYPTON 84 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Krypton Isotopes
BT2 Isotopes
BT1 Microsec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Stable Isotopes
BT2 Isotopes
RT Krypton 84 Reactions

KRYPTON 84 BEAMS [01]
DA December 1, 1974
BT1 Ion Beams
BT2 Beams

KRYPTON 84 REACTIONS [01]
DA December 1, 1974
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions
RT Krypton 84

KRYPTON 84 TARGET [01]
DA July 12, 1976
BT1 Targets

KRYPTON 85 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Krypton Isotopes
BT2 Isotopes
BT1 Microsec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

KRYPTON 85 TARGET [01]
DA March 4, 1977
BT1 Targets

KRYPTON 86 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Krypton Isotopes
BT2 Isotopes
BT1 Nanosec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

KRYPTON 86 BEAMS [01]
DA October 23, 1979
BT1 Ion Beams
BT2 Beams

KRYPTON 86 REACTIONS [01]
DA December 16, 1976
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

KRYPTON 86 TARGET [01]
DA July 9, 1976
BT1 Targets

KRYPTON 87 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Krypton Isotopes
BT2 Isotopes

KRYPTON 88 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Krypton Isotopes
BT2 Isotopes

KRYPTON 89 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Krypton Isotopes
BT2 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

KRYPTON 90 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Krypton Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

KRYPTON 91 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Krypton Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

KRYPTON 92 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Krypton Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

KRYPTON 93 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Krypton Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

KRYPTON 94 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Krypton Isotopes
BT2 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

KRYPTON 95 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Krypton Isotopes
BT2 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

KRYPTON 96 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Krypton Isotopes
BT2 Isotopes

KRYPTON 97 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Krypton Isotopes
BT2 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

KRYPTON 98 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Krypton Isotopes
BT2 Isotopes

KRYPTON BROMIDES [01]
DA November 8, 1980
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Krypton Compounds
BT2 Rare Gas Compounds

KRYPTON CHLORIDE LASERS [01]
DA August 20, 1984
BT1 Excimer Lasers
BT2 Gas Lasers
BT3 Lasers

KRYPTON CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Krypton Compounds
BT2 Rare Gas Compounds

KRYPTON COMPLEXES [01]
DA December 1, 1974
BT1 Complexes

KRYPTON COMPOUNDS [01]
DA December 1, 1974
UF *Kryptonates*
BT1 Rare Gas Compounds
NT1 Krypton Bromides
NT1 Krypton Chlorides
NT1 Krypton Fluorides
NT1 Krypton Hydrides
NT1 Krypton Oxides

KRYPTON FLUORIDE LASERS [01]
DA August 6, 1984
BT1 Excimer Lasers
BT2 Gas Lasers
BT3 Lasers
RT AURORA Facility

KRYPTON FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Krypton Compounds
BT2 Rare Gas Compounds

KRYPTON HYDRIDES [01]
DA December 1, 1974
BT1 Hydrides
BT2 Hydrogen Compounds
BT1 Krypton Compounds
BT2 Rare Gas Compounds

KRYPTON IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

KRYPTON ISOTOPES [01]
DA December 1, 1974
BT1 Isotopes
NT1 Krypton 70
NT1 Krypton 71
NT1 Krypton 72
NT1 Krypton 73
NT1 Krypton 74
NT1 Krypton 75
NT1 Krypton 76
NT1 Krypton 77
NT1 Krypton 78
NT1 Krypton 79
NT1 Krypton 80
NT1 Krypton 81
NT1 Krypton 82
NT1 Krypton 83
NT1 Krypton 84
NT1 Krypton 85
NT1 Krypton 86
NT1 Krypton 87
NT1 Krypton 88
NT1 Krypton 89
NT1 Krypton 90
NT1 Krypton 91
NT1 Krypton 92
NT1 Krypton 93
NT1 Krypton 94
NT1 Krypton 95
NT1 Krypton 96
NT1 Krypton 97
NT1 Krypton 98

KRYPTON OXIDES [01]
DA December 1, 1974
BT1 Krypton Compounds
BT2 Rare Gas Compounds
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds

Kryptonates
DA December 1, 1974
USE Krypton Compounds

KS-150 Reactor
DA April 29, 1975
USE Bohunice A-1 Reactor

KSTR REACTOR [01]
(Keuring van Electrotechnische Materialen N.V.,Arnhem, Netherlands)
DA December 1, 1974
UF *Kema Suspension Test Reactor*
BT1 Aqueous Homogeneous Reactors
BT2 Liquid Homogeneous Reactors
BT3 Fluid Fueled Reactors
BT4 Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Materials Testing Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors

KUBO FORMULA [01]
DA December 1, 1974
UF *Kubo Method*
UF *Kubo Theory*
RT Statistical Mechanics

Kubo Method
DA December 1, 1974
USE Kubo Formula

Kubo Theory
DA December 1, 1974
USE Kubo Formula

KUCA REACTOR [01]
DA June 7, 1976
UF *Kyoto University Critical Assembly Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Graphite Moderated Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

KUHFR REACTOR [01]
DA November 23, 1979
UF *Kyoto University High Flux Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors

KUOSHENG-1 REACTOR [01]
DA March 25, 1976
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

KUOSHENG-2 REACTOR [01]
DA March 25, 1976
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

Kupffer Cells
DA December 1, 1974
USE Reticuloendothelial System

KUR REACTOR [01]
(Research Reactor Institute, Kyoto Univ., Osaka Prefecture, Japan.)
DA December 1, 1974
UF *Kyoto University Reactor*
UF *Training-Research Reactor Kyoto*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors

Kurchatov Institute Romashka Reactor
DA December 1, 1974
USE Romashka Reactor

Kurchatovium
DA December 1, 1974
USE Element 104

KUREHA ACETATE PROCESS
DA August 25, 1983
BT1 Desulfurization
BT2 Chemical Reactions
RT Flue Gas
DEF Sodium acetate-gypsum process for removal of SO_2 from utility flue gas.

Kurie Plot
DA December 1, 1974
USE Fermi Plot

KURILE ISLANDS
DA June 14, 1978
BT1 Islands
BT1 USSR
BT2 Asia
BT2 Developed Countries
BT2 Europe
RT Pacific Ocean

KURSK-1 REACTOR [01]
DA January 21, 1975
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 LWGR Type Reactors
BT2 Graphite Moderated Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

KURSK-2 REACTOR [01]
DA January 21, 1975
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 LWGR Type Reactors
BT2 Graphite Moderated Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

KURSK-3 REACTOR [01]
DA September 20, 1984
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 LWGR Type Reactors
BT2 Graphite Moderated Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

KURSK-4 REACTOR [01]
DA September 20, 1984
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 LWGR Type Reactors
BT2 Graphite Moderated Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

KUWAIT [01]
DA January 21, 1975
BT1 Arab Countries
BT1 Asia
BT1 Developing Countries
BT1 Middle East
RT OAPEC
RT OPEC

KVB PROCESS
DA April 27, 1978
BT1 Desulfurization
BT2 Chemical Reactions
RT Coal Preparation
DEF Dry oxidation of the sulfurous component of dry pulverized coal with gaseous NO_2 is followed by caustic washing to solubilize and remove sulfur compounds generated. The active oxidant, NO_2, can be generated at operating temperature and pressure in the reaction chamber by oxidation of NO feed gas.

KVI [01]
DA October 19, 1977
UF *Groningen Versneller Instituut*
UF *Kernfysisch Versneller Instituut*
BT1 Netherlands Organizations
BT2 National Organizations

KVI CYCLOTRON [01]
DA March 24, 1983
UF *Groningen (KVI) Cyclotron*
BT1 Isochronous Cyclotrons
BT2 Cyclotrons
BT3 Cyclic Accelerators
BT4 Accelerators

KWL Reactor
DA December 1, 1974
USE Lingen Reactor

KWO Reactor
DA December 1, 1974
USE Obrigheim Reactor

KWS-1 Wyhl Reactor
DA December 16, 1975
USE Wyhl-1 Reactor

KWS-2 Wyhl Reactor
DA December 16, 1975
USE Wyhl-2 Reactor

KYNURENIC ACID [01]
DA December 1, 1974
BT1 Heterocyclic Acids
BT2 Carboxylic Acids

BT3 Organic Acids
BT4 Organic Compounds
BT2 Heterocyclic Compounds
BT3 Organic Compounds
BT1 Hydroxy Compounds
BT2 Organic Compounds
BT1 Quinolines
BT2 Azaarenes
BT3 Aromatics
BT4 Organic Compounds
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
BT2 Pyridines
BT3 Azines
BT4 Heterocyclic Compounds
BT5 Organic Compounds
BT4 Organic Nitrogen Compounds
BT5 Organic Compounds
RT Kynurenine
RT Quinaldine

KYNURENINE [01]
DA December 1, 1974
BT1 Amino Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT1 Keto Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
RT Kynurenic Acid

Kyoto University Critical Assembly Reactor
DA June 7, 1976
USE KUCA Reactor

Kyoto University High Flux Reactor
DA November 23, 1979
USE KUHFR Reactor

Kyoto University Reactor
DA December 1, 1974
USE KUR Reactor

→**KYRGYZSTAN [01]**
(Prior to April 1993, this concept was indexed by USSR.)
DA April 8, 1993
BT1 Asia

Kyushu-1 Reactor
DA December 1, 1974
USE Genkai-1 Reactor

Kyushu-2 Reactor
DA October 23, 1979
USE Genkai-2 Reactor

Kyushu-3 Reactor
DA October 23, 1979
USE Sendai-1 Reactor

Kyushu-4 Reactor
DA July 18, 1985
USE Genkai-4 Reactor

L-1 Stellarator
(Prior to June 1991 this was a valid descriptor.)
DA April 15, 1975
SEE L-2 Stellarator

L-2 STELLARATOR [01]
DA November 28, 1977
SF *L-1 Stellarator*
BT1 Stellarators
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

L-54 Reactor
DA December 1, 1974
USE Cesnef Reactor

L-77 Atomics International Reactor
DA December 1, 1974
USE Al-L-77 Reactor

L-77 Nevada University Reactor
DA December 1, 1974
USE Nevada University Reactor

L-77 Puerto Rico Reactor
DA December 1, 1974
USE PRNC-L-77 Reactor

L-1770 Resonances
(Prior to August 1988, this was a valid descriptor.)
DA April 8, 1975
USE Strange Mesons

L-Alanine
DA December 1, 1974
USE Alanine-L

L-Alanine-alpha
DA December 1, 1974
USE Alanine-L

L CAPTURE [01]
DA December 1, 1974
BT1 Electron Capture Decay
BT2 Beta Decay
BT3 Nuclear Decay
BT4 Decay

L CELLS [01]
DA December 1, 1974
RT Clone Cells
RT Fibroblasts
RT In Vitro

L CODES [01]
DA December 1, 1974
BT1 Computer Codes

L CONVERSION [01]
DA December 1, 1974
UF *L-Conversion Coefficient*
BT1 Internal Conversion
BT2 Conversion
BT2 Nuclear Decay
BT3 Decay

L-Conversion Coefficient
DA December 1, 1974
USE L Conversion

L REACTOR [01]
DA May 12, 1982
UF *Savannah River Plant L Reactor*
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Special Production Reactors
BT2 Production Reactors
BT3 Reactors

L Resonances
DA December 1, 1974
SEE K2-1580 Mesons
OR K2-1770 Mesons

L-S COUPLING [01]
DA December 1, 1974
UF *Russell-Saunders Coupling*
UF *Spin-Orbit Interaction*
BT1 Intermediate Coupling
BT2 Coupling
RT Orbital Angular Momentum

L SHELL [01]
DA August 24, 1976
UF *Atomic Shells (L)*
BT1 Electronic Structure

L Waves
DA July 5, 1978
USE Seismic Surface Waves

La Crosse Boiling Water Reactor
DA December 1, 1974
USE LACBWR Reactor

La Reina Reactor
DA May 31, 1985
USE Research Reactors

LA REINA RECH-1 REACTOR [01]
(La Reina, Santiago, Chile.)
DA March 20, 1989
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors

LA SALLE COUNTY-1 REACTOR [01]
DA December 1, 1974
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

LA SALLE COUNTY-2 REACTOR [01]
DA December 1, 1974
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

LABELLED COMPOUNDS [01]
(Compounds labelled with either stable or radioactive isotopes.)
DA December 1, 1974
NT1 Carbon 14 Compounds
NT1 Radiopharmaceuticals
NT2 MIBG
RT Autoradiography
RT Autoradiolysis
RT Carrier-Free Isotopes
RT Diagnosis
RT Double Labelling
RT Electron Microscopy
RT Labelling
RT Nuclear Medicine
RT Radioenzymatic Assay
RT Radioimmunoassay
RT Radioimmunodetection
RT Scintiscanning
RT Tracer Techniques
RT Tritium Compounds
RT Wilzbach Method

LABELLED POOL TECHNIQUES [01]
DA October 28, 1975
BT1 Tracer Techniques
BT2 Isotope Applications
RT Labelling
RT Metabolism

LABELLING [01]
(For labelling of packages use PACKAGING RULES.)
DA December 1, 1974
NT1 Double Labelling
NT1 Wilzbach Method
RT Carbon 14 Compounds
RT Carrier-Free Isotopes
RT Isotope Applications
RT Isotopic Exchange
RT Labelled Compounds
RT Labelled Pool Techniques
RT Radioactivation

LABOR
DA August 9, 1977
RT Architects
RT Employment
RT Engineers
RT Manpower
RT Occupations
RT Training
RT Work

LABOR RELATIONS [01]
DA February 14, 1978
UF *Industrial Relations*
RT Industry
RT Management
RT Personnel
RT Working Conditions

LABORATORIES [01]
DA January 15, 1980
NT1 Hot Labs
RT Buildings
RT Laboratory Animals
RT Laboratory Buildings
RT Laboratory Equipment
RT Research Programs

LABORATORY ANIMALS [01]
DA December 1, 1974
BT1 Animals
RT Laboratories

LABORATORY BUILDINGS
DA April 14, 1980
BT1 Buildings
RT Laboratories
RT Laboratory Equipment
RT School Buildings

LABORATORY EQUIPMENT [01]
DA December 1, 1974
BT1 Equipment
NT1 Fume Hoods
NT1 Gloveboxes
NT1 Hot Cells
NT1 Manipulators
NT1 Vacuum Pumps
NT2 Cryopumps
NT2 Sputter-Ion Pumps
NT2 Turbomolecular Pumps
RT Accelerator Facilities
RT Autoclaves
RT Bench-Scale Experiments
RT Extraction Apparatuses
RT Hot Labs
RT Laboratories
RT Laboratory Buildings
RT Mixer-Settlers
RT Portable Equipment
RT Remote Handling Equipment
RT Remote Viewing Equipment
RT Sample Changers

Laboratory Scale Experiments
DA January 29, 1975
USE Bench-Scale Experiments

LABORATORY SYSTEM [01]
DA December 1, 1974
RT Center-of-Mass System
RT Coordinates
RT Limiting Fragmentation
RT Lorentz Transformations
RT Mechanics
RT Scattering

Labyrinth
DA December 1, 1974
USE Auditory Organs
AND Vestibular Apparatus

LACBWR REACTOR [01]
DA December 1, 1974
UF *La Crosse Boiling Water Reactor*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

LACQUERS [01]
DA December 1, 1974
BT1 Coatings

LACRIMAL DUCTS [01]
DA October 19, 1977
BT1 Eyes
BT2 Face
BT3 Head
BT4 Body Areas
BT5 Body
BT2 Sense Organs
BT3 Organs
BT4 Body

LACTAMS [01]
DA December 1, 1974
UF *Cyclic Amides*
BT1 Amides
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
NT1 Pyrrolidones
NT2 PVP
RT Amino Acids
RT Heterocyclic Compounds

LACTATE DEHYDROGENASE [01]
DA December 1, 1974
BT1 Hemiacetal Dehydrogenases
BT2 Oxidoreductases
BT3 Enzymes
BT4 Proteins
BT5 Organic Compounds

LACTATES [01]
DA October 24, 1981
BT1 Carboxylic Acid Salts
RT Lactic Acid

LACTATION [01]
DA December 1, 1974
RT Mammary Glands
RT Milk

LACTIC ACID [01]
DA December 1, 1974
UF *Hydroxypropionic Acid-alpha*
BT1 Hydroxy Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
RT Lactates

LACTOBACILLUS [01]
DA December 1, 1974
BT1 Bacteria
BT2 Microorganisms

LACTOFERRIN [01]
DA April 17, 1981
BT1 Globulins
BT2 Proteins
BT3 Organic Compounds
BT1 Glucoproteins
BT2 Glycoproteins
BT3 Proteins
BT4 Organic Compounds
BT2 Saccharides
BT3 Carbohydrates
BT4 Organic Compounds
BT1 Metalloproteins
BT2 Proteins
BT3 Organic Compounds
RT Iron Complexes

LACTOGENS [01]
DA February 27, 1979
BT1 Hormones
NT1 HPL
RT Placenta

LACTONES [01]
DA December 1, 1974
UF *Cyclic Esters*
BT1 Esters
BT2 Organic Compounds
BT1 Heterocyclic Compounds
BT2 Organic Compounds
NT1 Coumarin
NT1 Gibberellic Acid
RT Hydroxy Acids

LACTOSE [01]
DA December 1, 1974
UF *Milk Sugar*
BT1 Disaccharides
BT2 Oligosaccharides
BT3 Saccharides
BT4 Carbohydrates
BT5 Organic Compounds

LADDER APPROXIMATION [01]
DA December 1, 1974
RT Quantum Field Theory

Lage Flux Reaktor Petten
DA December 1, 1974
USE LFR Reactor

LAGO MAGGIORE [01]
DA December 1, 1974
BT1 Lakes
BT2 Surface Waters

LAGRANGE EQUATIONS [01]
DA December 1, 1974
BT1 Partial Differential Equations
BT2 Differential Equations
BT3 Equations
RT Lagrangian Function
RT Mechanics

Lagrange Field Equations
DA December 1, 1974
USE Lagrangian Field Theory

Lagrangian
DA December 1, 1974
USE Lagrangian Function

LAGRANGIAN FIELD THEORY [01]
DA December 1, 1974
UF *Canonical Quantum Field Theory*
UF *Gross-Neveu Model*
UF *Lagrange Field Equations*
BT1 Quantum Field Theory
BT2 Field Theories

LAGRANGIAN FUNCTION [01]
DA December 1, 1974
UF *Lagrangian*
BT1 Functions
RT Equations of Motion
RT Kinetic Energy
RT Lagrange Equations
RT Mechanics
RT Potential Energy

LAGUERRE POLYNOMIALS [01]
DA December 1, 1974
BT1 Polynomials
BT2 Functions

LAGUNA VERDE-1 REACTOR [01]
(Alto Lucero, Veracruz, Mexico)
DA June 30, 1975
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

LAGUNA VERDE-2 REACTOR [01]
(Alto Lucero, Veracruz, Mexico.)
DA February 8, 1982
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

LAKE BAIKAL [01]
DA November 6, 1984
BT1 Lakes
BT2 Surface Waters

LAKE BALATON [01]
DA September 15, 1983

BT1 Lakes
BT2 Surface Waters

LAKE ERIE [01]
DA December 1, 1974
BT1 Great Lakes
BT2 Lakes
BT3 Surface Waters

LAKE HURON [01]
DA December 1, 1974
BT1 Great Lakes
BT2 Lakes
BT3 Surface Waters

LAKE MICHIGAN [01]
DA December 1, 1974
BT1 Great Lakes
BT2 Lakes
BT3 Surface Waters

LAKE ONTARIO [01]
DA December 1, 1974
BT1 Great Lakes
BT2 Lakes
BT3 Surface Waters

LAKE SUPERIOR [01]
DA January 21, 1975
BT1 Great Lakes
BT2 Lakes
BT3 Surface Waters

LAKE WABAMUN
DA November 28, 1975
BT1 Lakes
BT2 Surface Waters
RT Canada

LAKES [01]
DA December 1, 1974
BT1 Surface Waters
NT1 Ambrosia Lake
NT1 Athabasca Lake
NT1 Dead Sea
NT1 Great Lakes
NT2 Lake Erie
NT2 Lake Huron
NT2 Lake Michigan
NT2 Lake Ontario
NT2 Lake Superior
NT1 Great Salt Lake
NT1 Lago Maggiore
NT1 Lake Baikal
NT1 Lake Balaton
NT1 Lake Wabamun
NT1 Salton Sea
RT Cooling Ponds
RT Eutrophication
RT Fresh Water
RT Hydrology
RT Inland Waterways
RT Ponds
RT Shores
RT Water Currents
RT Water Reservoirs

Lamb-Rutherford Shift
DA December 1, 1974
USE Lamb Shift

LAMB SHIFT [01]
DA December 1, 1974
UF *Lamb-Rutherford Shift*
BT1 Spectral Shift
RT Energy Levels

LAMBDA-1405 BARYONS [01]
DA February 19, 1988
UF *Lambda-1405 Resonances*
BT1 Lambda Baryons
BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles

Lambda-1405 Resonances
(Prior to February 1988 this was a valid descriptor.)
DA December 1, 1974
USE Lambda-1405 Baryons

LAMBDA-1520 BARYONS [01]
(Prior to February 1988 this concept was indexed by LAMBDA-1520 RESONANCES.)
DA February 19, 1988
UF *Lambda-1520 Resonances*
BT1 Lambda Baryons
BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles

Lambda-1520 Resonances
(Prior to February 1988 this was a valid descriptor.)
DA December 1, 1974
USE Lambda-1520 Baryons

LAMBDA-1600 BARYONS [01]
DA February 19, 1988
BT1 Lambda Baryons
BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles

LAMBDA-1670 BARYONS [01]
DA February 19, 1988
UF *Lambda-1670 Resonances*
BT1 Lambda Baryons
BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles

Lambda-1670 Resonances
(Prior to February 1988 this was a valid descriptor.)
DA December 1, 1974
USE Lambda-1670 Baryons

LAMBDA-1690 BARYONS [01]
(Prior to February 1988 this concept was indexed by LAMBDA-1690 RESONANCES.)
DA February 19, 1988
UF *Lambda-1690 Resonances*
BT1 Lambda Baryons
BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles

Lambda-1690 Resonances
(Prior to February 1988 this was a valid descriptor.)
DA December 1, 1974
USE Lambda-1690 Baryons

LAMBDA-1800 BARYONS [01]
DA February 19, 1988
BT1 Lambda Baryons
BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles

Lambda-1815 Resonances
(Prior to February 1988 this was a valid descriptor.)
DA December 1, 1974
USE Lambda-1820 Baryons

LAMBDA-1820 BARYONS [01]
(Prior to February 1988 this concept was indexed by LAMBDA-1815 RESONANCES.)
DA February 19, 1988
UF *Lambda-1815 Resonances*
BT1 Lambda Baryons
BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles

LAMBDA-1830 BARYONS [01]
(Prior to February 1988 this concept was indexed by LAMBDA-1830 RESONANCES.)
DA February 25, 1988
UF *Lambda-1830 Resonances*
BT1 Lambda Baryons
BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles

Lambda-1830 Resonances
(Prior to February 1988 this was a valid descriptor.)
DA December 1, 1974
USE Lambda-1830 Baryons

LAMBDA-1890 BARYONS [01]
DA February 25, 1988
BT1 Lambda Baryons
BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles

LAMBDA-2000 BARYONS [01]
DA February 25, 1988
BT1 Lambda Baryons
BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles

LAMBDA-2020 BARYONS [01]
DA February 25, 1988
BT1 Lambda Baryons
BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles

LAMBDA-2100 BARYONS [01]
(Prior to February 1988 this concept was indexed by LAMBDA-2100 RESONANCES.)
DA February 25, 1988
UF *Lambda-2100 Resonances*
BT1 Lambda Baryons
BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles

Lambda-2100 Resonances
(Prior to February 1988 this was a valid descriptor.)
DA December 1, 1974
USE Lambda-2100 Baryons

LAMBDA-2110 BARYONS [01]
DA February 25, 1988
BT1 Lambda Baryons

BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles

Lambda-2250 Resonances
(Prior to Jan. 1985 this was a valid descriptor.)
DA October 23, 1978
USE Lambda C Plus Baryons

Lambda-2260 Resonances
DA September 26, 1979
USE Lambda C Plus Baryons

Lambda 2282 Resonances
DA February 22, 1985
USE Lambda C Plus Baryons

LAMBDA-2325 BARYONS [01]
DA February 25, 1988
BT1 Lambda Baryons
BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles

LAMBDA-2350 BARYONS [01]
(Prior to February 1988 this concept was indexed by LAMBDA-2350 RESONANCES.)
DA February 26, 1988
UF *Lambda-2350 Resonances*
BT1 Lambda Baryons
BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles

Lambda-2350 Resonances
(Prior to February 1988 this was a valid descriptor.)
DA December 1, 1974
USE Lambda-2350 Baryons

LAMBDA-2585 BARYONS [01]
DA February 26, 1988
BT1 Lambda Baryons
BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles

LAMBDA B NEUTRAL BARYONS [01]
DA February 19, 1988
BT1 Beauty Baryons
BT2 Baryons
BT3 Fermions
BT3 Hadrons
BT4 Elementary Particles
BT2 Beauty Particles
BT3 Elementary Particles

LAMBDA BARYONS [01]
DA February 19, 1988
BT1 Hyperons
BT2 Baryons
BT3 Fermions
BT3 Hadrons
BT4 Elementary Particles
BT2 Strange Particles
BT3 Elementary Particles
NT1 Lambda-1405 Baryons
NT1 Lambda-1520 Baryons
NT1 Lambda-1600 Baryons
NT1 Lambda-1670 Baryons
NT1 Lambda-1690 Baryons
NT1 Lambda-1800 Baryons
NT1 Lambda-1820 Baryons
NT1 Lambda-1830 Baryons
NT1 Lambda-1890 Baryons
NT1 Lambda-2000 Baryons
NT1 Lambda-2020 Baryons
NT1 Lambda-2100 Baryons
NT1 Lambda-2110 Baryons
NT1 Lambda-2325 Baryons
NT1 Lambda-2350 Baryons
NT1 Lambda-2585 Baryons
NT1 Lambda Particles
NT2 Antilambda Particles

Lambda C Plus
(Prior to Jan. 1985 this information was indexed with the descriptor Lambda-2250 Resonances.)
DA January 28, 1985
USE Lambda C Plus Baryons

LAMBDA C PLUS BARYONS [01]
(Prior to February 1988 this concept was indexed by LAMBDA C PLUS.)
DA February 19, 1988
UF *C-2260 Resonances*
UF *Lambda-2250 Resonances*
UF *Lambda-2260 Resonances*
UF *Lambda 2282 Resonances*
UF *Lambda C Plus*
BT1 Charmed Baryons
BT2 Baryons
BT3 Fermions
BT3 Hadrons
BT4 Elementary Particles
BT2 Charm Particles
BT3 Elementary Particles

LAMBDA-N-2130 DIBARYONS [01]
DA March 16, 1988
BT1 Dibaryons
BT2 Baryons
BT3 Fermions
BT3 Hadrons
BT4 Elementary Particles
BT1 Hyperons
BT2 Baryons
BT3 Fermions
BT3 Hadrons
BT4 Elementary Particles
BT2 Strange Particles
BT3 Elementary Particles

Lambda Neutral
DA December 1, 1974
USE Lambda Particles

LAMBDA PARTICLE BEAMS [01]
DA December 1, 1974
BT1 Hyperon Beams
BT2 Particle Beams
BT3 Beams

LAMBDA PARTICLES [01]
DA December 1, 1974
UF *Lambda Neutral*
BT1 Lambda Baryons
BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles
NT1 Antilambda Particles

LAMBDA POINT [01]
DA December 1, 1974
BT1 Transition Temperature
BT2 Thermodynamic Properties
BT3 Physical Properties
RT Helium 4
RT Superfluidity

LAMBERT LAW [01]
DA December 1, 1974
RT Angular Distribution

Lambs
DA December 1, 1974
USE Sheep

LAMELLAE [01]
DA December 1, 1974
RT Layers

LAMINAC [01]
DA December 1, 1974
BT1 Plastics
BT2 Petrochemicals
BT3 Petroleum Products
BT2 Synthetic Materials
BT3 Materials
BT1 Polyesters
BT2 Esters
BT3 Organic Compounds
BT2 Organic Polymers
BT3 Organic Compounds
BT3 Polymers

LAMINAR FLOW [01]
DA December 1, 1974
UF *Poiseuille Flow*
UF *Subcritical Flow*
BT1 Fluid Flow
RT Critical Flow
RT Turbulent Flow
RT Viscous Flow

LAMINARIA [01]
DA December 1, 1974
BT1 Chromophycota
BT2 Algae
BT3 Plants
BT1 Seaweeds
BT2 Aquatic Organisms
BT2 Plants
RT Alginates

Laminography
DA December 1, 1974
USE Tomography

LAMPF II SYNCHROTRON [01]
DA March 7, 1983
BT1 Meson Factories
BT2 Accelerators
BT1 Synchrotrons
BT2 Cyclic Accelerators
BT3 Accelerators
DEF 6-32 GeV proton synchrotron addition to Los Alamos Meson Physics Facility.

LAMPF LINAC [01]
DA December 1, 1974
UF *Clinton P. Anderson Meson Physics Facility*
UF *Los Alamos Meson Physics Facility*
BT1 Linear Accelerators
BT2 Accelerators
BT1 Meson Factories
BT2 Accelerators

LAMPRE-1 REACTOR [01]
DA December 1, 1974
UF *Los Alamos Molten Plutonium Reactor Experiment*
BT1 Experimental Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Fast Reactors
BT2 Epithermal Reactors
BT3 Reactors
BT1 Plutonium Reactors
BT2 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Sodium Cooled Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors

LAMPRE-2 Reactor
DA December 1, 1974
USE FRCTF Reactor

LAMPROPHYRES
DA August 12, 1980
BT1 Volcanic Rocks
BT2 Igneous Rocks
BT3 Rocks
NT1 Kimberlites

Lamps
DA July 23, 1977
USE Light Bulbs

Land Application
DA August 8, 1978
USE Ground Disposal

Land Fills
DA September 28, 1976
USE Sanitary Landfills

LAND LEASING [01]
DA January 23, 1975
BT1 Leasing
RT Land Resources
RT Land Use
RT Leases
RT Legal Aspects
RT Regulations

LAND OWNERSHIP [01]
DA August 4, 1981
BT1 Ownership
RT Land Resources
RT Land Use
RT Legal Aspects
RT Mineral Rights

LAND POLLUTION [01]
DA December 1, 1974
BT1 Pollution
RT Acid Mine Drainage
RT Environmental Effects
RT Environmental Exposure
RT Land Pollution Abatement
RT Land Pollution Control

LAND POLLUTION ABATEMENT [01]
(Use this term for items that involve the prevention of formation of pollutants at the source.)
DA July 7, 1976
BT1 Pollution Abatement
RT Land Pollution
RT Land Reclamation
RT Prevention of Significant Deterioration

LAND POLLUTION CONTROL [01]
(Use this term for items that involve the removal or management of pollutants after they are formed by a source.)
DA March 4, 1977
BT1 Pollution Control
BT2 Control
RT Land Pollution
RT Land Reclamation
RT Land Use

LAND RECLAMATION [01]
DA February 19, 1975
SF *Mine Site Rehabilitation*
SF *Reclamation*
RT Abandoned Sites
RT Aesthetics
RT Backfilling
RT Land Pollution Abatement
RT Land Pollution Control
RT Land Resources
RT Land Use
RT Liming
RT Preferred Species
RT Revegetation
RT Soil Conservation
RT Spoil Banks

LAND REQUIREMENTS [01]
DA November 29, 1977
RT Land Resources
RT Land Use

LAND RESOURCES [01]
DA January 7, 1982
BT1 Resources
RT Land Leasing
RT Land Ownership
RT Land Reclamation
RT Land Requirements
RT Land Use
RT Public Lands
RT Terrestrial Ecosystems

LAND TRANSPORT [01]
DA June 24, 1977
BT1 Transport
NT1 Rail Transport
NT1 Road Transport
RT Carpooling
RT Travel
RT Vanpooling

LAND USE [01]
DA February 19, 1975
RT Arid Lands
RT Eminent Domain
RT External Zones
RT Farms
RT Land Leasing
RT Land Ownership
RT Land Pollution Control
RT Land Reclamation
RT Land Requirements
RT Land Resources
RT Landscaping
RT Mineral Rights
RT Nature Reserves
RT Recreational Areas
RT Rights-of-Way
RT Watersheds
RT Wilderness Protection Acts
RT Zoning

Landau Absorption
DA December 1, 1974
USE Landau Damping

LANDAU CURVES [01]
DA December 1, 1974
RT S Matrix
RT Scattering
RT Singularity

LANDAU DAMPING [01]
DA December 1, 1974
UF *Landau Absorption*
BT1 Damping
RT Plasma Waves
RT Transit-Time Magnetic Pumping

Landau Distribution
DA December 1, 1974
USE Landau Fluctuations

LANDAU DOMAIN STRUCTURE
DA January 21, 1975
BT1 Domain Structure
BT1 Superconductors
RT Plates
DEF Structure proposed by Landau for intermediate state when magnetic field is applied at acute angle to thin flat superconducting plate.

LANDAU FLUCTUATIONS [01]
DA December 1, 1974
UF *Landau Distribution*
BT1 Fluctuations
BT2 Variations
RT Energy Losses

Landau-Ginzburg-Pitaevskii Theory
DA December 1, 1974
USE Ginzburg-Pitaevskii Theory

LANDAU LIQUID HELIUM THEORY [01]
DA December 1, 1974
UF *Two-Fluid Theory*
RT Helium II
RT Phonons
RT Rotons
RT Superfluidity

LANDAU QUASI PARTICLES [01]
DA June 30, 1975
BT1 Quasi Particles
RT Particle Structure
RT Quark Model

LANDAU-ZENER FORMULA [01]
DA December 1, 1974
RT Collisions
RT Potential Energy

LANDE FACTOR [01]
DA December 1, 1974
UF *G Factor (Lande)*
UF *Lande G Factor*
UF *Lande Interval Factor*
UF *Lande Splitting Factor*
RT Energy Levels

Lande G Factor
DA December 1, 1974
USE Lande Factor

Lande Interval Factor
DA December 1, 1974
USE Lande Factor

Lande Splitting Factor
DA December 1, 1974
USE Lande Factor

Landfills
DA November 23, 1979
USE Sanitary Landfills

Landforms
DA May 6, 1980
USE Geomorphology

LANDGARD PYROLYSIS SYSTEM
DA January 23, 1976
UF *Landgard Solid Waste Disposal System*
UF *Monsanto System*
BT1 Waste Processing
BT2 Processing
BT2 Waste Management
BT3 Management
RT Pyrolysis
RT Solid Wastes
RT Waste Processing Plants

Landgard Solid Waste Disposal System
DA February 24, 1976
USE Landgard Pyrolysis System

LANDSAT SATELLITES [01]
DA March 4, 1980
BT1 Satellites
RT Aerial Surveying
RT Exploration
RT Remote Sensing

LANDSCAPING [01]
DA June 21, 1977
RT Aesthetics
RT Earth Berms
RT Land Use

LANDSLIDES [01]
DA January 27, 1975
RT Blast Effects
RT Earthquakes
RT Ground Motion
RT Mining
RT Rain
RT Seismic Effects
RT Underground Explosions

LANE-ROBSON THEORY [01]
DA February 19, 1975
RT Nuclear Reactions

LANE-THOMAS-WIGNER MODEL [01]
DA December 1, 1974
BT1 Nuclear Models
BT2 Mathematical Models

LANGEVIN EQUATION [01]
DA December 1, 1974
BT1 Equations
RT Magnetic Fields

LANGMUIR FREQUENCY [01]
DA December 1, 1974
UF *Frequency (Langmuir)*
UF *Plasma Frequency*
RT Plasma

Langmuir Oscillations
DA December 1, 1974
USE Plasma Waves

LANGMUIR PROBE [01]
DA December 1, 1974
BT1 Electric Probes
BT2 Probes

Languages (Programming)
DA December 1, 1974
USE Programming Languages

LANL [01]
(Los Alamos National Laboratory, formerly known as Los Alamos Scientific Laboratory, and older material is indexed to LASL.)
DA June 30, 1989
UF *Los Alamos National Laboratory*
BT1 US DOE
BT2 US Organizations
BT3 National Organizations
RT Antares Facility
RT AURORA Facility
RT Helios Facility
RT New Mexico

LANOLIN [01]
DA December 1, 1974
UF *Wool Fat*
BT1 Esters
BT2 Organic Compounds
BT1 Lipids
BT2 Organic Compounds
BT1 Sterols
BT2 Hydroxy Compounds
BT3 Organic Compounds
BT2 Steroids
BT3 Organic Compounds
RT Cholesterol

Lanoxin
DA December 1, 1974
USE Digoxin

Lanthanides
DA December 1, 1974
USE Rare Earths

LANTHANUM [01]
DA December 1, 1974
BT1 Rare Earths
BT2 Metals
BT3 Elements

LANTHANUM 120 [01]
DA September 5, 1984
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Lanthanum Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

LANTHANUM 121 [01]
DA March 20, 1989
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Lanthanum Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

LANTHANUM 122 [01]
DA September 5, 1984
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Lanthanum Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

LANTHANUM 123 [01]
DA March 28, 1979
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Lanthanum Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

LANTHANUM 124 [01]
DA December 1, 1974
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Lanthanum Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

LANTHANUM 125 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Lanthanum Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

LANTHANUM 126 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Lanthanum Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

LANTHANUM 127 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Lanthanum Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

LANTHANUM 128 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Lanthanum Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

LANTHANUM 129 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Lanthanum Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

LANTHANUM 130 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Lanthanum Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

LANTHANUM 131 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Lanthanum Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

LANTHANUM 132 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Lanthanum Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

LANTHANUM 133 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Lanthanum Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

LANTHANUM 134 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Lanthanum Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

LANTHANUM 135 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Lanthanum Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

LANTHANUM 136 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Lanthanum Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

LANTHANUM 137 [01]
DA December 1, 1974
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Lanthanum Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Odd Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

LANTHANUM 138 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Lanthanum Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

LANTHANUM 139 [01]
DA December 1, 1974
BT1 Lanthanum Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

LANTHANUM 139 BEAMS [01]
DA February 23, 1979
BT1 Ion Beams
BT2 Beams

LANTHANUM 139 REACTIONS [01]
DA March 12, 1976
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

LANTHANUM 139 TARGET [01]
DA July 9, 1976
BT1 Targets

LANTHANUM 140 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Lanthanum Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

LANTHANUM 141 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Lanthanum Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

LANTHANUM 142 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Lanthanum Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

LANTHANUM 143 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Lanthanum Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes

BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

LANTHANUM 144 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Lanthanum Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

LANTHANUM 145 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Lanthanum Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

LANTHANUM 146 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Lanthanum Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

LANTHANUM 147 [01]
DA October 20, 1977
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Lanthanum Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

LANTHANUM 148 [01]
DA October 20, 1977
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Lanthanum Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

LANTHANUM 149 [01]
DA April 11, 1986
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Lanthanum Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

LANTHANUM ADDITIONS [01]
DA December 1, 1974
BT1 Lanthanum Alloys
BT2 Rare Earth Alloys
BT3 Alloys
BT1 Rare Earth Additions
BT2 Rare Earth Alloys
BT3 Alloys
NT1 Alloy-Co36Cr22Ni22W15Fe3
NT2 Haynes 188 Alloy

LANTHANUM ALLOYS [01]
DA December 1, 1974
BT1 Rare Earth Alloys
BT2 Alloys
NT1 Lanthanum Additions
NT2 Alloy-Co36Cr22Ni22W15Fe3
NT3 Haynes 188 Alloy
NT1 Lanthanum Base Alloys
NT1 Misch Metal

LANTHANUM BASE ALLOYS [01]
DA December 1, 1974
BT1 Lanthanum Alloys
BT2 Rare Earth Alloys
BT3 Alloys

LANTHANUM BORIDES [01]
DA December 1, 1974
BT1 Borides
BT2 Boron Compounds
BT1 Lanthanum Compounds
BT2 Rare Earth Compounds

LANTHANUM BROMIDES [01]
DA December 1, 1974
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Lanthanum Compounds
BT2 Rare Earth Compounds

LANTHANUM CARBIDES [01]
DA December 1, 1974
BT1 Carbides
BT2 Carbon Compounds
BT1 Lanthanum Compounds
BT2 Rare Earth Compounds

LANTHANUM CARBONATES [01]
DA December 1, 1974
BT1 Carbonates
BT2 Carbon Compounds
BT2 Oxygen Compounds
BT1 Lanthanum Compounds
BT2 Rare Earth Compounds
RT Carbonate Minerals
RT Cordylite

LANTHANUM CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Lanthanum Compounds
BT2 Rare Earth Compounds

Lanthanum Chromites
DA July 24, 1979
USE Chromium Oxides
AND Lanthanum Oxides

LANTHANUM COMPLEXES [01]
DA December 1, 1974
BT1 Rare Earth Complexes
BT2 Complexes

LANTHANUM COMPOUNDS [01]
DA December 1, 1974
BT1 Rare Earth Compounds
NT1 Lanthanum Borides
NT1 Lanthanum Bromides
NT1 Lanthanum Carbides
NT1 Lanthanum Carbonates
NT1 Lanthanum Chlorides
NT1 Lanthanum Fluorides
NT1 Lanthanum Hydrides
NT1 Lanthanum Hydroxides
NT1 Lanthanum Iodides
NT1 Lanthanum Nitrates
NT1 Lanthanum Nitrides
NT1 Lanthanum Oxides
NT1 Lanthanum Perchlorates
NT1 Lanthanum Phosphates
NT1 Lanthanum Phosphides
NT1 Lanthanum Selenides
NT1 Lanthanum Silicates
NT1 Lanthanum Silicides
NT1 Lanthanum Sulfates
NT1 Lanthanum Sulfides
NT1 Lanthanum Tellurides
NT1 Lanthanum Tungstates
NT1 PLZT

LANTHANUM FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Lanthanum Compounds
BT2 Rare Earth Compounds

LANTHANUM HYDRIDES [01]
DA December 1, 1974
BT1 Hydrides
BT2 Hydrogen Compounds
BT1 Lanthanum Compounds
BT2 Rare Earth Compounds

LANTHANUM HYDROXIDES [01]
DA December 1, 1974
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds
BT1 Lanthanum Compounds
BT2 Rare Earth Compounds

LANTHANUM IODIDES [01]
DA December 1, 1974
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds
BT1 Lanthanum Compounds
BT2 Rare Earth Compounds

LANTHANUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

LANTHANUM ISOTOPES [01]
DA December 1, 1974
BT1 Rare Earth Isotopes
BT2 Isotopes
NT1 Lanthanum 120

NT1 Lanthanum 121
NT1 Lanthanum 122
NT1 Lanthanum 123
NT1 Lanthanum 124
NT1 Lanthanum 125
NT1 Lanthanum 126
NT1 Lanthanum 127
NT1 Lanthanum 128
NT1 Lanthanum 129
NT1 Lanthanum 130
NT1 Lanthanum 131
NT1 Lanthanum 132
NT1 Lanthanum 133
NT1 Lanthanum 134
NT1 Lanthanum 135
NT1 Lanthanum 136
NT1 Lanthanum 137
NT1 Lanthanum 138
NT1 Lanthanum 139
NT1 Lanthanum 140
NT1 Lanthanum 141
NT1 Lanthanum 142
NT1 Lanthanum 143
NT1 Lanthanum 144
NT1 Lanthanum 145
NT1 Lanthanum 146
NT1 Lanthanum 147
NT1 Lanthanum 148
NT1 Lanthanum 149

LANTHANUM NITRATES [01]
DA December 1, 1974
BT1 Lanthanum Compounds
BT2 Rare Earth Compounds
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds

LANTHANUM NITRIDES [01]
DA December 1, 1974
BT1 Lanthanum Compounds
BT2 Rare Earth Compounds
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides

LANTHANUM OXIDES [01]
DA December 1, 1974
UF+ *Lanthanum Chromites*
BT1 Lanthanum Compounds
BT2 Rare Earth Compounds
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds

LANTHANUM PERCHLORATES [01]
DA January 31, 1975
BT1 Lanthanum Compounds
BT2 Rare Earth Compounds
BT1 Perchlorates
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Oxygen Compounds

LANTHANUM PHOSPHATES [01]
DA December 1, 1974
BT1 Lanthanum Compounds
BT2 Rare Earth Compounds
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds

LANTHANUM PHOSPHIDES [01]
DA October 23, 1979
BT1 Lanthanum Compounds
BT2 Rare Earth Compounds
BT1 Phosphides
BT2 Phosphorus Compounds
BT2 Pnictides

LANTHANUM SELENIDES [01]
DA January 24, 1975
BT1 Lanthanum Compounds
BT2 Rare Earth Compounds
BT1 Selenides
BT2 Chalcogenides
BT2 Selenium Compounds

LANTHANUM SILICATES [01]
DA December 1, 1974
BT1 Lanthanum Compounds
BT2 Rare Earth Compounds
BT1 Silicates
BT2 Oxygen Compounds
BT2 Silicon Compounds
RT Orthite

LANTHANUM SILICIDES [01]
DA January 21, 1975
BT1 Lanthanum Compounds
BT2 Rare Earth Compounds
BT1 Silicides
BT2 Silicon Compounds

LANTHANUM SULFATES [01]
DA December 1, 1974
BT1 Lanthanum Compounds
BT2 Rare Earth Compounds
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds

LANTHANUM SULFIDES [01]
DA December 1, 1974
BT1 Lanthanum Compounds
BT2 Rare Earth Compounds
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds

LANTHANUM TELLURIDES [01]
DA April 8, 1975
BT1 Lanthanum Compounds
BT2 Rare Earth Compounds
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds

LANTHANUM TUNGSTATES [01]
DA January 31, 1975
BT1 Lanthanum Compounds
BT2 Rare Earth Compounds
BT1 Tungstates

Lanzhou Cyclotron
DA July 7, 1983
USE HIRFL Cyclotron

LAOS [01]
DA December 1, 1974
BT1 Asia
BT1 Developing Countries

LAP WELDS
DA January 21, 1975
BT1 Welded Joints
BT2 Joints
RT Welding

LAPLACE EQUATION [01]
DA December 1, 1974
BT1 Partial Differential Equations
BT2 Differential Equations
BT3 Equations
RT Poisson Equation
RT Spherical Harmonics

Laplace Operator
DA December 1, 1974
USE Laplacian

LAPLACE TRANSFORMATION [01]
DA December 1, 1974
BT1 Integral Transformations
BT2 Transformations

LAPLACIAN [01]
DA December 1, 1974
UF *Laplace Operator*
BT1 Mathematical Operators
RT Vectors

LAPPS [01]
DA December 1, 1974
BT1 Minority Groups
BT2 Human Populations
BT3 Populations
RT Arctic Regions
RT Eskimos
RT Norway

LARAMIE ENERGY RESEARCH CENTER
DA May 5, 1975
BT1 US DOE
BT2 US Organizations
BT3 National Organizations
BT1 US ERDA
BT2 US Organizations
BT3 National Organizations

LARAMIE ENERGY TECHNOLOGY CENTER
DA December 11, 1978
BT1 US DOE
BT2 US Organizations
BT3 National Organizations

LARCHES
(Larix.)
DA February 2, 1988
BT1 Conifers
BT2 Pinophyta
BT3 Plants

LARDERELLO GEOTHERMAL FIELD [01]
DA January 23, 1975
BT1 Geothermal Fields
RT Italy
RT Vapor-Dominated Systems

LARGE COIL PROGRAM
DA February 23, 1979
UF *International Fusion Superconducting Magnet Test Facility*
UF *ISFMTF*
RT Superconducting Magnets
RT Test Facilities

LARGE INTESTINE [01]
DA December 1, 1974
UF *Colon*
UF+ *Appendix (Vermiform)*
BT1 Intestines
BT2 Gastrointestinal Tract
BT3 Digestive System
BT2 Organs
BT3 Body
NT1 Rectum
RT Excretion
RT Feces

Larmor Electrons
DA December 1, 1974
USE Larmor Radius

Larmor Nuclear Precession
DA December 1, 1974
USE Larmor Precession

LARMOR PRECESSION [01]
DA December 1, 1974
UF *Larmor Nuclear Precession*
BT1 Precession

LARMOR RADIUS [01]
DA December 1, 1974
UF *Gyromagnetic Radius*
UF *Larmor Electrons*
RT Magnetic Fields

LARVAE [01]
DA December 1, 1974
UF *Larval Stage*
UF *Metacercariae*
UF *Nymphs*
UF+ *Tadpoles*
RT Age Groups
RT Amphibians
RT Axolotl
RT Ichthyoplankton
RT Insects
RT Metamorphosis

Larval Stage
DA December 1, 1974
USE Larvae

LARYNGECTOMY [01]
DA September 22, 1981
BT1 Surgery
BT2 Medicine
RT Larynx

LARYNX [01]
DA December 1, 1974
BT1 Respiratory System
RT Laryngectomy
RT Neck

LASER BEAM MACHINING [01]
DA November 9, 1977
BT1 Machining

LASER CAVITIES [01]
DA February 20, 1975
RT Lasers

→LASER DOPPLER ANEMOMETERS [01]
DA July 2, 1992
BT1 Anemometers
BT2 Measuring Instruments
RT Laser Radiation

LASER DRILLING [01]
DA August 24, 1976
BT1 Materials Drilling
BT2 Machining
RT Laser Radiation

LASER FUSION REACTORS [01]
DA September 15, 1976
BT1 Thermonuclear Reactors
NT1 Cascade Reactors
NT1 HYLIFE Converter
RT Antares Facility
RT AURORA Facility
RT Direct Drive Laser Implosion
RT GDL Facility
RT Gekko Facility
RT Helios Facility
RT ICF Devices
RT Indirect Drive Laser Implosion
RT Inertial Confinement
RT Laser Implosions
RT Nova Facility
RT Omega Facility
RT Shiva Facility

LASER GUIDANCE
DA September 5, 1986
RT Beam Transport
RT Laser Radiation
RT Photoionization
DEF A means of guiding a charged particle beam.A laser beam photoionizes a channel through a gas,and the resulting plasma serves to strongly focus and guide the beam.

LASER IMPLOSIONS [01]
DA December 1, 1974
BT1 Implosions
NT1 Direct Drive Laser Implosion
NT1 Indirect Drive Laser Implosion
RT Inertial Confinement
RT Laser Fusion Reactors
RT Laser-Produced Plasma
RT Laser-Radiation Heating
RT Laser Targets
RT Pulsed Fusion Reactors

LASER ISOTOPE SEPARATION [01]
DA December 1, 1974
BT1 Isotope Separation
BT2 Separation Processes
RT Lasers
DEF A laser photon beam selectively excites or ionizes one of the isotopes which can then be isolated by electromagnetic, chemical, or other methods.

LASER MATERIALS [01]
DA February 20, 1975
BT1 Materials
RT Laser Radiation
RT Lasers

LASER MIRRORS [01]
DA January 21, 1975
BT1 Mirrors
RT Lasers

LASER POWER TRANSMISSION [01]
DA October 7, 1980
BT1 Power Transmission
RT Power Systems

LASER-PRODUCED PLASMA [01]
DA December 1, 1974
BT1 Plasma
RT Direct Drive Laser Implosion
RT Indirect Drive Laser Implosion
RT Laser Implosions
RT Laser-Radiation Heating
RT Plasma Production

Laser Pumping
(Use one of the NT's under PUMPING.)
DA August 21, 1981
SEE Pumping

LASER RADIATION [01]
DA December 1, 1974
BT1 Electromagnetic Radiation
BT2 Radiations
RT Beat Wave Accelerators
RT Carbon Monoxide Lasers
RT Laser Doppler Anemometers
RT Laser Drilling
RT Laser Guidance
RT Laser Materials
RT Laser-Radiation Heating
RT Laser Targets
RT Lasers
RT Monochromatic Radiation
RT Superradiance
RT Visible Radiation

LASER-RADIATION HEATING [01]
DA December 1, 1974
BT1 Plasma Heating
BT2 Heating
RT Direct Drive Laser Implosion
RT Indirect Drive Laser Implosion
RT Laser Implosions
RT Laser-Produced Plasma
RT Laser Radiation

LASER SPECTROSCOPY [01]
DA December 20, 1978
BT1 Spectroscopy
NT1 Raman Spectroscopy
RT Absorption Spectroscopy
RT Fluorescence Spectroscopy
RT Raman Spectra

LASER TARGETS [01]
DA September 11, 1978
BT1 Targets
RT Direct Drive Laser Implosion
RT Electron Beam Targets
RT Energy Deposition
RT Indirect Drive Laser Implosion
RT Inertial Confinement
RT Ion Beam Targets
RT Laser Implosions
RT Laser Radiation
RT Thermonuclear Fuels

LASER WEAPONS
DA March 5, 1979
BT1 Directed-Energy Weapons
BT2 Weapons
RT Lasers

LASER WELDING [01]
DA December 1, 1974
BT1 Welding
BT2 Joining
BT3 Fabrication

LASERS [01]
(Light Amplification by Stimulated Emission of Radiation.)
DA December 1, 1974
SF *Stimulated Emission Devices*
NT1 Chemical Lasers
NT1 Free Electron Lasers
NT1 Gas Lasers
NT2 Carbon Dioxide Lasers
NT2 Carbon Monoxide Lasers
NT2 Excimer Lasers
NT3 Krypton Chloride Lasers
NT3 Krypton Fluoride Lasers
NT2 Gas Dynamic Lasers
NT2 Helium-Neon Lasers
NT2 Helium-Xenon Lasers
NT2 Metal Vapor Lasers
NT1 Liquid Lasers
NT2 Dye Lasers
NT1 Ring Lasers
NT1 Solid State Lasers
NT2 Neodymium Lasers
NT2 Ruby Lasers
NT2 Semiconductor Lasers
NT1 X-Ray Lasers
RT Amplification
RT Electrical Pumping
RT Electron Beam Pumping
RT Frequency Selection
RT Gasers
RT Laser Cavities
RT Laser Isotope Separation
RT Laser Materials
RT Laser Mirrors
RT Laser Radiation
RT Laser Weapons
RT Masers
RT Mode Control
RT Mode Locking
RT Mode Selection
RT Multi-Photon Processes
RT Nuclear Pumping
RT Optical Computers
RT Optical Pumping
RT Q-Switching
RT Quantum Electronics
RT Radiation Sources
RT Stimulated Emission

LASERTRONS [01]
DA November 14, 1986
BT1 Microwave Tubes
BT2 Electron Tubes
BT2 Microwave Equipment
BT3 Electronic Equipment
BT4 Equipment
RT Power Supplies
RT RF Systems

LASL [01]
DA December 1, 1974
UF *Los Alamos Scientific Laboratory*
BT1 US AEC
BT2 US Organizations
BT3 National Organizations
BT1 US DOE
BT2 US Organizations
BT3 National Organizations
BT1 US ERDA
BT2 US Organizations
BT3 National Organizations

LASS GROWTH METHOD
DA July 27, 1982
UF *Low-Angle Silicon-Sheet Growth Method*
BT1 Crystal Growth Methods

LATCHKEY OPERATION
DA November 1, 1976
BT1 Nuclear Explosions
BT2 Explosions
BT1 Underground Explosions
BT2 Explosions
NT1 Greeley Event
NT1 Scotch Event
RT Contained Explosions

Late Radiation Effects
DA December 1, 1974
USE Delayed Radiation Effects

LATENCY PERIOD [01]
DA December 1, 1974
UF *Disease Free Period*
RT Acute Irradiation
RT Delayed Radiation Effects
RT Incubation
RT Quarantine
RT Radiation Syndrome

Latent Heat of Fusion
DA December 1, 1974
USE Fusion Heat

Latent Heat of Sublimation
DA December 1, 1974
USE Sublimation Heat

Latent Heat of Transition
DA December 1, 1974
USE Transition Heat

Latent Heat of Vaporization
DA December 1, 1974
USE Vaporization Heat

LATENT HEAT STORAGE [01]
DA June 30, 1977
BT1 Heat Storage
BT2 Energy Storage
BT3 Storage
RT Fusion Heat
RT Phase Change Materials
RT Seasonal Thermal Energy Storage
RT Thermal Energy Storage Equipment
RT Vaporization Heat
DEF Storage of thermal energy in the latent heat of fusion of various materials.

LATENT IMAGES [01]
DA December 1, 1974
RT Dielectric Track Detectors
RT Nuclear Emulsions
RT Photographic Emulsions
RT Photographic Films

Laterologging
DA May 2, 1979
USE Resistivity Logging

LATEX [01]
DA December 1, 1974
BT1 Rubbers
BT2 Elastomers
BT3 Polymers
BT2 Organic Polymers
BT3 Organic Compounds
BT3 Polymers
RT Coatings
RT Emulsions
RT Protective Coatings

LATHES [01]
DA July 6, 1978
BT1 Machine Tools
BT2 Tools
RT Machining

LATIN AMERICA [01]
DA August 7, 1978
NT1 Central America
NT2 Belize
NT2 Costa Rica
NT2 El Salvador
NT2 Guatemala
NT2 Honduras
NT2 Nicaragua
NT2 Panama
NT2 Panama Canal Zone
NT1 Cuba
NT1 Dominican Republic
NT1 Haiti
NT1 Jamaica
NT1 Mexico
NT1 Puerto Rico
NT1 Saint Lucia
NT1 Saint Vincent and the Grenadines
NT1 South America
NT2 Argentina
NT3 Mendoza
NT2 Bolivia
NT3 Chacaltaya
NT2 Brazil
NT2 British Guiana
NT2 Chile
NT2 Colombia
NT2 Ecuador
NT2 French Guiana
NT2 Guyana
NT2 Paraguay
NT2 Peru
NT2 Surinam
NT2 Uruguay
NT2 Venezuela
RT West Indies

LATINA REACTOR [01]
(Borgo Sabotino, Latina, Italy)
DA December 1, 1974
UF *Foce Verde Reactor*
BT1 Carbon Dioxide Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Magnox Type Reactors
BT2 GCR Type Reactors
BT3 Gas Cooled Reactors
BT4 Reactors
BT3 Graphite Moderated Reactors
BT4 Reactors
BT2 Natural Uranium Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

LATIR EVENT
DA March 11, 1976
BT1 Arbor Project
BT2 Nuclear Explosions
BT3 Explosions
BT2 Underground Explosions
BT3 Explosions

LATITUDE EFFECT [01]
DA December 1, 1974
BT1 Geographical Variations
BT2 Variations
RT Equator

Lattice Defects
DA August 9, 1977
USE Crystal Defects

LATTICE FIELD THEORY [01]
DA December 20, 1978
BT1 Quantum Field Theory
BT2 Field Theories
RT Gauge Invariance
RT Instantons
RT Lie Groups
RT Wilson Loop

LATTICE PARAMETERS [01]
DA December 1, 1974
RT Crystal Lattices

LATTICE VIBRATIONS [01]
DA December 1, 1974
UF *Vibrations (Lattice)*
RT Anharmonic Crystals
RT Crystal Structure
RT Debye-Waller Factor
RT Harmonics
RT Oscillation Modes
RT Vibrational States

Lattices (Crystal)
DA December 1, 1974
USE Crystal Lattices

Lattices (Reactor)
DA December 1, 1974
USE Reactor Lattices

→**LATVIA [01]**
(Prior to March 1993, this was indexed by USSR.)
DA March 15, 1993
BT1 Eastern Europe
BT2 Europe

Laue-Bragg Scattering
DA December 1, 1974
USE Bragg Reflection

LAUE METHOD [01]
DA December 1, 1974
BT1 Diffraction Methods
RT Crystal Lattices
RT Kossel Method
RT Structural Chemical Analysis
RT X-Ray Diffraction

LAUMONTITE
DA December 22, 1977
BT1 Zeolites
BT2 Inorganic Ion Exchangers
BT3 Ion Exchange Materials
BT4 Materials
BT2 Silicate Minerals
BT3 Minerals
DEF A white zeolite mineral $CaAl_2Si_4O_{12}.4H_2O$.

LAUNCHING [01]
DA December 1, 1974
RT Missile Launching Sites
RT Missiles
RT Rockets
RT Space Vehicles

LAUNDRIES
DA February 27, 1979
UF *Industrial Laundries*
RT Clothes Washers

Lauric Acid
DA December 1, 1974
USE Dodecanoic Acid

Lauryl Radicals
DA December 1, 1974
USE Dodecyl Radicals

Lausanne Tokamak
DA May 8, 1984
USE TCA Tokamak

LAVA [01]
DA December 1, 1974
RT Eruption
RT Magma
RT Magnesium Sulfates
RT Silicate Minerals
RT Volcanism
RT Volcanoes
DEF A general term for a molten extrusive; also, for the rock that is solidified from it.

LAVAGE [01]
DA December 1, 1974
UF+ *Pulmonary Lavage*
RT Decontamination
RT Excretion
RT Lungs
RT Respiratory System
DEF Washing out of hollow organ by copious injections and rejections of water.

LAVENITE [01]
DA December 1, 1974
BT1 Calcium Silicates
BT2 Calcium Compounds
BT3 Alkaline Earth Metal Compounds
BT2 Silicates
BT3 Oxygen Compounds
BT3 Silicon Compounds
BT1 Silicate Minerals
BT2 Minerals
BT1 Sodium Silicates
BT2 Silicates
BT3 Oxygen Compounds
BT3 Silicon Compounds
BT2 Sodium Compounds
BT3 Alkali Metal Compounds
BT1 Zirconium Silicates
BT2 Silicates
BT3 Oxygen Compounds
BT3 Silicon Compounds
BT2 Zirconium Compounds
BT3 Transition Element Compounds

LAVES PHASES [01]
DA December 1, 1974
RT Crystal Lattices
RT Intermetallic Compounds

LAWRENCE BERKELEY LABORATORY [01]
DA December 1, 1974
UF *UCLBL*

UF *University of California Lawrence Radiation Laboratory*
BT1 US AEC
BT2 US Organizations
BT3 National Organizations
BT1 US DOE
BT2 US Organizations
BT3 National Organizations
BT1 US ERDA
BT2 US Organizations
BT3 National Organizations
RT California

LAWRENCE LIVERMORE LABORATORY [01]
DA December 1, 1974
UF *UCLLL*
BT1 US AEC
BT2 US Organizations
BT3 National Organizations
BT1 US DOE
BT2 US Organizations
BT3 National Organizations
BT1 US ERDA
BT2 US Organizations
BT3 National Organizations
RT California

LAWRENCIUM [01]
DA December 1, 1974
BT1 Actinides
BT2 Metals
BT3 Elements
BT1 Transplutonium Elements
BT2 Transuranium Elements
BT3 Elements

LAWRENCIUM 253 [01]
DA December 5, 1988
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Lawrencium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

LAWRENCIUM 254 [01]
DA December 5, 1988
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Lawrencium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

LAWRENCIUM 255 [01]
DA April 19, 1976
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Lawrencium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

LAWRENCIUM 256 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Lawrencium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

LAWRENCIUM 257 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Lawrencium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

LAWRENCIUM 258 [01]
DA April 19, 1976
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Lawrencium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

LAWRENCIUM 259 [01]
DA November 1, 1976
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Lawrencium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

LAWRENCIUM 260 [01]
DA June 26, 1985
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Lawrencium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

LAWRENCIUM 261 [01]
DA April 10, 1987
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Lawrencium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

LAWRENCIUM 262 [01]
DA April 10, 1987
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Lawrencium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

LAWRENCIUM 263 [01]
DA May 1, 1987
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Lawrencium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

LAWRENCIUM ADDITIONS
DA April 7, 1975
RT Lawrencium Compounds

LAWRENCIUM CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Lawrencium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds

LAWRENCIUM COMPLEXES [01]
DA December 1, 1974
BT1 Actinide Complexes
BT2 Complexes
BT1 Transuranium Complexes

LAWRENCIUM COMPOUNDS [01]
DA December 1, 1974
BT1 Actinide Compounds
BT1 Transplutonium Compounds
BT2 Transuranium Compounds
NT1 Lawrencium Chlorides
NT1 Lawrencium Oxides
RT Lawrencium Additions

LAWRENCIUM ISOTOPES [01]
DA December 1, 1974
BT1 Actinide Isotopes
BT2 Isotopes
NT1 Lawrencium 253
NT1 Lawrencium 254
NT1 Lawrencium 255
NT1 Lawrencium 256
NT1 Lawrencium 257
NT1 Lawrencium 258
NT1 Lawrencium 259
NT1 Lawrencium 260
NT1 Lawrencium 261
NT1 Lawrencium 262
NT1 Lawrencium 263

LAWRENCIUM OXIDES [01]
DA December 1, 1974
BT1 Lawrencium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds

LAWS [01]
DA December 1, 1974

NT1 Antitrust Laws
NT1 Atomic Energy Laws
NT2 Atomic Energy Act
NT1 Case Law
NT1 Coastal Zone Management Act
NT1 Defense Production Act
NT1 Emergency Energy Conservation Act
NT1 Emergency Petroleum Allocation Act
NT1 Energy Conservation and Production Act
NT1 Fishery Laws
NT1 Freedom of Information Act
NT1 International Laws
NT1 Invention Secrecy Act
NT1 Maritime Laws
NT1 Materials And Minerals Policy Acts
NT1 Mining Laws
NT2 Surface Mining Acts
NT1 National Energy Acts
NT2 US Energy Tax Act
NT2 US National Energy Conservation Policy Act
NT2 US Natural Gas Policy Act
NT2 US Power Plant and Industrial Fuel Use Act
NT2 US Public Utility Regulatory Policies Act
NT1 National Energy Conservation Incentives Act
NT1 Patent Laws
NT1 Petroleum Marketing Practices Act
NT1 Pollution Laws
NT2 Clean Air Acts
NT2 Clean Water Acts
NT2 US Superfund
NT1 Price-Anderson Act
NT1 Privacy Act
NT1 Public Law
NT1 Radiation Protection Laws
NT1 Resource Recovery Acts
NT1 Tax Laws
NT1 Toxic Substances Control Acts
NT1 US Economic Recovery Tax Act
NT1 US Emergency Preparedness Act
NT1 US Energy Policy and Conservation Act
NT1 US Energy Security Act
NT1 US National Environmental Policy Act
NT1 US Occupational Safety and Health Act
NT1 Waste Disposal Acts
NT2 Nuclear Waste Policy Acts
NT1 Wilderness Protection Acts
RT Administrative Procedures
RT Agreements
RT Amendments
RT Compliance
RT Conflicts of Interest
RT Enforcement
RT Executive Orders
RT Legal Aspects
RT Legislation
RT Legislative Text
RT Notice of Probable Violation
RT Public Policy
RT Regulations
RT Repeals
RT Solar Rights
RT Speed Limit
RT Violations
RT Zoning
DEF Rules made by the governing body of a country, state, etc.

LAWSON CRITERION [01]
DA July 5, 1978
RT Breakeven
RT Confinement Time
RT Plasma Density
RT Thermonuclear Devices
DEF The energy output from a thermonuclear reactor can only exceed the plasma energy input if the product of plasma density and confinement time is higher than 10^{14}s/cm^3.

LAWSUITS [01]
DA June 24, 1977
UF *Litigation*
RT Arbitration
RT Courts
RT Dispute Settlements
RT Hearings

LAX THEOREM [01]
DA December 1, 1974
RT Shock Waves

LAYERS [01]
DA December 1, 1974
NT1 Boundary Layers
NT2 Plasma Scrape-Off Layer
NT1 Depletion Layer
NT1 Ozone Layer
RT Films
RT Lamellae
RT Stratification
RT Stratigraphy
RT Substrates

LBL 88-INCH CYCLOTRON [01]
(Lawrence Berkeley Laboratory, Berkeley, California, USA.)
DA December 17, 1987
BT1 UCLRL Cyclotrons
BT2 Isochronous Cyclotrons
BT3 Cyclotrons
BT4 Cyclic Accelerators
BT5 Accelerators
DEF Cyclotron in operation at Lawrence Berkeley Laboratory with an external electron cyclotron resonance (ECR) ion source.

LC-FINING
DA March 29, 1980
RT Coal Liquids
RT Hydrogenation
RT Solvent-Refined Coal
DEF Expanded-bed catalytic hydrotreating process (proprietary).

LCAO Calculations
DA December 1, 1974
USE LCAO Method

LCAO METHOD [01]
DA December 1, 1974
UF *LCAO Calculations*
UF *LCAO Mo Calculations*
UF *LCAO Scf Treatment*
UF *LCAO Theory*
UF *Linear Combination of Atomic Orbitals*
BT1 Calculation Methods
RT Molecular Orbital Method
RT Molecular Structure
RT Self-Consistent Field

LCAO Mo Calculations
DA December 1, 1974
USE LCAO Method

LCAO Scf Treatment
DA December 1, 1974
USE LCAO Method

LCAO Theory
DA December 1, 1974
USE LCAO Method

LCFFC Process
DA October 24, 1981
USE CE Lummus CFFC Process

→**LCPMPDPW [01]**
(1972 London Convention on Prevention of Marine Pollution by Dumping of Waste and other Matter.)
DA April 17, 1991
BT1 International Agreements
BT2 Agreements
RT Contamination
RT Marine Disposal
RT OECD MCMSDRW
RT Pollution

LCR
DA May 18, 1981
USE Load Collector Ratio

LCRE Reactor
DA January 21, 1975
USE Experimental Reactors
AND Lithium Cooled Reactors

LD 50
DA December 1, 1974
USE Lethal Radiation Dose

LEACHATES [01]
DA April 14, 1980
BT1 Solutions
BT2 Mixtures
BT3 Dispersions
RT Environmental Transport
RT Ground Water
RT In-Situ Processing
RT Leaching
RT Liquid Wastes
RT Solvent Extraction
DEF The liquid that has percolated through soil or other medium; a solution obtained by leaching.

LEACHING [01]
DA December 1, 1974
UF *Elution (Soluble Constituents)*
UF *Lixiviation*
BT1 Dissolution
BT1 Separation Processes
NT1 Microbial Leaching
RT Ferrobacillus Ferrooxidans
RT Hydrometallurgy
RT Ion Exchange Chromatography
RT Ion Exchange Materials
RT Leachates
RT Ore Enrichment
RT Ore Processing
RT Slurex Process
RT Solubility
RT Solution Mining
RT Solvent Extraction
RT Thiobacillus Ferroxidans
RT Thiobacillus Oxidans

LEAD [01]
DA December 1, 1974
BT1 Metals
BT2 Elements
RT Shielding Materials

LEAD 182 [01]
DA July 22, 1987
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Lead Isotopes
BT2 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

LEAD 183 [01]
DA March 13, 1981
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Lead Isotopes
BT2 Isotopes

LEAD 184 [01]
DA August 12, 1980
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Lead Isotopes
BT2 Isotopes

BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

LEAD 185 [01]
DA August 19, 1975
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Lead Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

LEAD 186 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Lead Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

LEAD 187 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Lead Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

LEAD 188 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Lead Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

LEAD 189 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Lead Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

LEAD 190 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Lead Isotopes
BT2 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

LEAD 191 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Lead Isotopes
BT2 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

LEAD 192 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Lead Isotopes
BT2 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

LEAD 193 [01]
DA May 5, 1975
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Lead Isotopes
BT2 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

LEAD 194 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Lead Isotopes
BT2 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Nanosec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

LEAD 195 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Lead Isotopes
BT2 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

LEAD 196 [01]
DA December 1, 1974
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Lead Isotopes
BT2 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

LEAD 197 [01]
DA December 1, 1974
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Lead Isotopes
BT2 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

LEAD 198 [01]
DA December 1, 1974
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Lead Isotopes
BT2 Isotopes

LEAD 199 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Lead Isotopes
BT2 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

LEAD 200 [01]
DA December 1, 1974
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Lead Isotopes
BT2 Isotopes
BT1 Nanosec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

LEAD 200 TARGET [01]
DA January 24, 1980
BT1 Targets

LEAD 201 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Lead Isotopes
BT2 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

LEAD 202 [01]
DA December 1, 1974
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Lead Isotopes
BT2 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

LEAD 202 TARGET [01]
DA August 7, 1978
BT1 Targets

LEAD 203 [01]
DA December 1, 1974
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Lead Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

LEAD 204 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Lead Isotopes
BT2 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

LEAD 204 TARGET [01]
DA July 9, 1976
BT1 Targets

LEAD 205 [01]
DA December 1, 1974
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Lead Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

LEAD 205 TARGET [01]
DA April 5, 1978
BT1 Targets

LEAD 206 [01]
DA December 1, 1974
UF *Radium G*
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Lead Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

LEAD 206 REACTIONS [01]
DA September 5, 1986
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

LEAD 206 TARGET [01]
DA July 9, 1976
BT1 Targets

LEAD 207 [01]
DA December 1, 1974
UF *Actinium D*
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Lead Isotopes
BT2 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

LEAD 207 TARGET [01]
DA July 9, 1976
BT1 Targets

LEAD 208 [01]
DA December 1, 1974
UF *Thorium D*
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Lead Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

LEAD 208 BEAMS [01]
DA July 5, 1978
BT1 Ion Beams
BT2 Beams

LEAD 208 REACTIONS [01]
DA July 6, 1978
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

LEAD 208 TARGET [01]
DA July 9, 1976
BT1 Targets

LEAD 209 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Lead Isotopes
BT2 Isotopes

LEAD 209 TARGET [01]
DA November 1, 1976
BT1 Targets

LEAD 210 [01]
DA December 1, 1974
UF *Radium D*
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Lead Isotopes
BT2 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

LEAD 210 TARGET [01]
DA August 24, 1976
BT1 Targets

LEAD 211 [01]
DA December 1, 1974
UF *Actinium B*
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Lead Isotopes
BT2 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

LEAD 212 [01]
DA December 1, 1974
UF *Thorium B*
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Lead Isotopes
BT2 Isotopes

LEAD 213 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Lead Isotopes
BT2 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

LEAD 214 [01]
DA December 1, 1974
UF *Radium B*
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Lead Isotopes
BT2 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

LEAD 215 [01]
DA December 1, 1974
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Lead Isotopes
BT2 Isotopes

LEAD 216 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Lead Isotopes
BT2 Isotopes

LEAD-ACID BATTERIES [01]
DA January 27, 1975
UF *Storage Batteries (Lead-Acid)*
BT1 Electric Batteries
BT2 Electrochemical Cells

LEAD ADDITIONS [01]
DA December 1, 1974
BT1 Lead Alloys
BT2 Alloys

LEAD ALLOYS [01]
DA December 1, 1974
BT1 Alloys
NT1 Alloy-Bi50Pb25Cd12Sn12
NT2 Wood Metal
NT1 Cerrobend Alloys
NT1 Lead Additions
NT1 Lead Base Alloys
NT2 Terne-Metal
NT1 Lichtenberg Alloy
NT1 Newton-Metal
NT1 Ounce Metal
NT1 Rose-Metal
NT1 Wood Metal

LEAD BASE ALLOYS [01]
DA December 1, 1974
BT1 Lead Alloys
BT2 Alloys
NT1 Terne-Metal

LEAD BROMIDES [01]
DA December 1, 1974
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Lead Halides
BT2 Halides
BT3 Halogen Compounds
BT2 Lead Compounds

LEAD CARBIDES [01]
DA January 31, 1975
BT1 Carbides
BT2 Carbon Compounds
BT1 Lead Compounds

LEAD CARBONATES [01]
DA December 1, 1974
BT1 Carbonates
BT2 Carbon Compounds
BT2 Oxygen Compounds
BT1 Lead Compounds

LEAD CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Lead Halides
BT2 Halides
BT3 Halogen Compounds
BT2 Lead Compounds

LEAD COMPLEXES [01]
DA December 1, 1974
BT1 Complexes

LEAD COMPOUNDS [01]
DA December 1, 1974
NT1 Lead Carbides
NT1 Lead Carbonates
NT1 Lead Halides
NT2 Lead Bromides
NT2 Lead Chlorides
NT2 Lead Fluorides
NT2 Lead Iodides
NT1 Lead Hydrides
NT1 Lead Hydroxides
NT1 Lead Nitrates
NT1 Lead Nitrides
NT1 Lead Oxides
NT2 Hallimondite
NT2 Moctezumite
NT1 Lead Perchlorates
NT1 Lead Phosphates
NT2 Dewindtite
NT1 Lead Selenides
NT1 Lead Silicates
NT2 Alamosite
NT1 Lead Sulfates
NT1 Lead Sulfides
NT1 Lead Tellurides
NT1 Lead Tungstates
NT1 Plumbates
NT1 PLZT
NT1 PZT
NT1 TEL

LEAD FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Lead Halides
BT2 Halides
BT3 Halogen Compounds
BT2 Lead Compounds

Lead-Free Gasoline
DA November 2, 1976
USE Unleaded Gasoline

LEAD HALIDES [01]
DA February 20, 1975
BT1 Halides
BT2 Halogen Compounds
BT1 Lead Compounds
NT1 Lead Bromides
NT1 Lead Chlorides
NT1 Lead Fluorides
NT1 Lead Iodides

LEAD HYDRIDES [01]
DA October 10, 1984
BT1 Hydrides
BT2 Hydrogen Compounds
BT1 Lead Compounds

LEAD HYDROXIDES [01]
DA December 1, 1974
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds
BT1 Lead Compounds

LEAD IODIDES [01]
DA December 1, 1974
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds
BT1 Lead Halides
BT2 Halides
BT3 Halogen Compounds
BT2 Lead Compounds

LEAD IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

LEAD ISOTOPES [01]
DA December 1, 1974
BT1 Isotopes
NT1 Lead 182
NT1 Lead 183
NT1 Lead 184
NT1 Lead 185
NT1 Lead 186
NT1 Lead 187
NT1 Lead 188
NT1 Lead 189
NT1 Lead 190
NT1 Lead 191
NT1 Lead 192
NT1 Lead 193
NT1 Lead 194
NT1 Lead 195
NT1 Lead 196
NT1 Lead 197
NT1 Lead 198
NT1 Lead 199
NT1 Lead 200
NT1 Lead 201
NT1 Lead 202
NT1 Lead 203
NT1 Lead 204
NT1 Lead 205
NT1 Lead 206
NT1 Lead 207
NT1 Lead 208
NT1 Lead 209
NT1 Lead 210
NT1 Lead 211
NT1 Lead 212
NT1 Lead 213
NT1 Lead 214
NT1 Lead 215
NT1 Lead 216

Lead Method
DA December 1, 1974
USE Isotope Dating

Lead Minerals
DA January 28, 1975
USE Minerals

LEAD NITRATES [01]
DA December 1, 1974
BT1 Lead Compounds
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds

LEAD NITRIDES [01]
DA December 1, 1974
BT1 Lead Compounds
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides

LEAD ORES [01]
DA April 4, 1975
BT1 Ores

LEAD OXIDES [01]
DA December 1, 1974
BT1 Lead Compounds
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds
NT1 Hallimondite
NT1 Moctezumite
RT Curite
RT Demesmaekerite
RT Fourmarierite
RT Oxide Minerals
RT Plumbates
RT Wulfenite

LEAD PERCHLORATES [01]
DA May 7, 1977
BT1 Lead Compounds
BT1 Perchlorates
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Oxygen Compounds

LEAD PHOSPHATES [01]
DA December 1, 1974
BT1 Lead Compounds
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds
NT1 Dewindtite
RT Dumontite
RT Parsonsite

LEAD SELENIDES [01]
DA January 21, 1975
BT1 Lead Compounds
BT1 Selenides
BT2 Chalcogenides
BT2 Selenium Compounds

LEAD SILICATES [01]
DA December 1, 1974
BT1 Lead Compounds
BT1 Silicates
BT2 Oxygen Compounds
BT2 Silicon Compounds
NT1 Alamosite

LEAD SULFATES [01]
DA December 1, 1974
BT1 Lead Compounds
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds

LEAD SULFIDES [01]
DA December 1, 1974
BT1 Lead Compounds
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds
RT Galena
RT Sulfide Minerals

LEAD TELLURIDES [01]
DA May 15, 1975
BT1 Lead Compounds
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds

LEAD TUNGSTATES [01]
DA May 25, 1979
BT1 Lead Compounds
BT1 Tungstates

Lead Zirconite Titanate
DA January 21, 1983
USE PZT

LEADING ABSTRACT [01]
DA May 6, 1975
BT1 Abstracts
BT2 Document Types

LEADING PARTICLES [01]
DA September 28, 1976
BT1 Elementary Particles
RT Particle Models
RT Particle Production
DEF Charged interaction products with large longitudinal momentum.

LEAK DETECTORS [01]
DA December 1, 1974
RT Leak Testing
RT Leaks
RT Reactor Components

LEAK TESTING [01]
DA December 1, 1974
BT1 Testing
RT Leak Detectors
RT Leaks
RT Sealed Sources

Leakage
DA December 1, 1974
USE Leaks

Leakage (Neutron)
DA December 1, 1974
USE Neutron Leakage

LEAKAGE CURRENT [01]
DA December 1, 1974
UF *Current (Leakage)*
BT1 Electric Currents
BT2 Currents

LEAKS [01]
DA December 1, 1974
UF *Leakage*
RT Airtightness
RT Caulking
RT Containment
RT Failures
RT Fission Product Release
RT Gloveboxes
RT Leak Detectors
RT Leak Testing
RT Porosity
RT Sealed Sources

LEAR
(Low Energy Antiproton Storage Ring at CERN. Prior to November 1990 this was a valid descriptor.)
DA August 20, 1984
USE CERN LEAR

LEARN TANDEM ACCELERATOR [01]
DA December 1, 1974
BT1 Tandem Electrostatic Accelerators
BT2 Electrostatic Accelerators
BT3 Accelerators
BT1 Van de Graaff Accelerators
BT2 Electrostatic Accelerators
BT3 Accelerators
RT Ion Beams

LEARNING [01]
DA December 1, 1974
RT Attitudes
RT Behavior
RT Conditioned Reflexes
RT Education
RT Training

LEASE CONDENSATES
DA February 23, 1979
BT1 Natural Gas Liquids
BT2 Liquids
BT3 Fluids
RT Liquefied Petroleum Gases
DEF A natural gas liquid recovered from gas well gas (associated and non-associated) in lease separators or field facilities.

LEASES [01]
DA February 13, 1975
BT1 Contracts
RT Land Leasing

LEASING [01]
DA February 19, 1975
NT1 Land Leasing
RT Administrative Procedures
RT Agreements
RT Bids
RT Contracts
RT Exploitation
RT Legal Aspects

LEAST SQUARE FIT [01]
DA December 1, 1974
BT1 Maximum-Likelihood Fit
BT2 Numerical Solution
RT Prony Method

LEATHER [01]
DA December 1, 1974
RT Skin

LEAVES [01]
DA December 1, 1974
UF *Foliage*
NT1 Tea Leaves
RT C4 Species
RT Calvin Cycle Species
RT Canopies
RT Chlorophyll
RT Chlorosis
RT Foliar Uptake
RT Forest Litter
RT Photosynthesis
RT Plants
RT Transpiration

LEBANON [01]
DA December 1, 1974
BT1 Arab Countries
BT1 Asia
BT1 Developing Countries
BT1 Middle East

Lebedev Synchrotron
DA December 1, 1974
USE FIAN Synchrotron

LECITHINS [01]
DA December 1, 1974
UF *Phosphatidylcholine*
BT1 Phospholipids
BT2 Esters
BT3 Organic Compounds
BT2 Lipids
BT3 Organic Compounds
BT2 Organic Phosphorus Compounds
BT3 Organic Compounds
RT Choline
RT Glycerol

LECTINS [01]
DA October 24, 1981
NT1 Concanavalin A
RT Antibodies
RT Antigen-Antibody Reactions
RT Antigens
DEF Substances not known to be antibodies but that combine specifically with antigens and produce phenomena resembling immunologial reactions.

LECTURES [01]
(Should be used to index all pieces of literature which are a lecture or a collection of lectures.)
DA December 1, 1974
BT1 Document Types

LED
DA April 27, 1978
USE Light Emitting Diodes

LEDGEMONT PROCESS
DA May 5, 1975
BT1 Desulfurization
BT2 Chemical Reactions
RT Pyrite
DEF An oxygen leaching process for converting pyritic S in coal slurries to soluble sulfates.

LEE MODEL [01]
DA December 1, 1974
BT1 Particle Models
BT2 Mathematical Models

LEE-YANG THEORY [01]
DA December 1, 1974
UF *Salam Hypothesis*
UF *Yang-Lee Distribution*
RT Beta Decay
RT P Invariance

Leed
DA December 1, 1974
USE Electron Diffraction

LEGAL ASPECTS [01]
DA December 1, 1974
NT1 Antitrust Review
RT Administrative Procedures
RT Amendments
RT Atomic Energy Control
RT Bids
RT Coercion
RT Compliance
RT Conflicts of Interest
RT Constraints
RT Consumer Protection
RT Document Destruction
RT Eminent Domain
RT Enforcement
RT Executive Orders
RT IAEA Agreements
RT Inspection
RT Insurance
RT Intervenors
RT Investigations
RT Joint Ventures
RT Land Leasing
RT Land Ownership
RT Laws
RT Leasing
RT Legal Incentives
RT Legislation
RT Liabilities
RT Licenses
RT Licensing
RT Mineral Rights
RT Ownership
RT Patents
RT Political Aspects
RT Price-Anderson Act
RT Property Rights
RT Public Policy
RT Radiation Protection
RT Recommendations
RT Regulations
RT Regulatory Guides
RT Repeals
RT Rights-of-Way
RT Safeguards
RT Safety Standards
RT Sellback
RT Solar Rights
RT Time Delay
RT Warranties
RT Water Rights
RT Workmens Compensation

LEGAL INCENTIVES
DA August 7, 1979
SF *Incentives*
RT Financial Incentives
RT Government Policies
RT Institutional Factors
RT Legal Aspects
RT Regulations

LEGENDRE POLYNOMIALS [01]
DA December 1, 1974
BT1 Polynomials
BT2 Functions
RT Spherical Harmonics Method

LEGIONELLA ANISA
DA May 31, 1985
BT1 Bacteria
BT2 Microorganisms
RT Bacterial Diseases
RT Infectious Diseases

LEGIONELLA PNEUMOPHILA [01]
DA June 20, 1983
BT1 Bacteria
BT2 Microorganisms
RT Bacterial Diseases
RT Cooling Systems
RT Infectious Diseases
DEF The bacterium responsible for Legionnaires' Disease.

LEGISLATION [01]
DA January 21, 1975
UF *Legislative Programs*
RT Amendments
RT Freedom of Information Act
RT Hearings
RT Implementation
RT Laws
RT Legal Aspects
RT Legislative Text
RT Local Government
RT National Government
RT Public Policy
RT Regulations
RT State Government
RT Toxic Substances Control Acts
RT US Economic Recovery Tax Act

Legislative Programs
DA February 13, 1975
USE Legislation

LEGISLATIVE TEXT [01]
(Use only in conjunction with literary indicator Q for indexing the text of a piece of legislation.)
DA October 23, 1987
RT Laws
RT Legislation
RT Regulations

LEGS [01]
DA December 1, 1974
BT1 Limbs
BT2 Body Areas
BT3 Body
NT1 Feet
RT Femur
RT Sciatic Nerve
RT Tibia

LEGUMINOSAE [01]
DA December 1, 1974
BT1 Magnoliopsida
BT2 Magnoliophyta
BT3 Plants
NT1 Alfalfa
NT1 Clover
NT1 Glycine Hispida
NT1 Honeylocust Trees
NT1 Locust Trees
NT1 Mesquite
NT1 Phaseolus
NT1 Pisum
NT1 Vicia
NT1 Vigna
RT Mimosine
RT Peanuts
RT Rhizobium

LEHMANN-KAELLEN REPRESENTATION [01]
DA December 1, 1974
RT Quantum Field Theory

Lehmann-Symanzik-Zimmermann Method
DA December 1, 1974
USE LSZ Theory

LEIBSTADT REACTOR [01]
DA April 4, 1975
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

LEISURE TIME ACTIVITIES
DA December 28, 1978
RT Behavior
RT Gardening
RT Sociology

LEMONIZ-1 REACTOR [01]
(Lemoniz, Vizcaya, Spain)
DA June 3, 1977
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors

BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

LEMONIZ-2 REACTOR [01]
(Lemoniz, Vizcaya, Spain)
DA June 3, 1977
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

LEMONS [01]
DA December 1, 1974
BT1 Fruits
BT2 Food
RT Citrus

Lena TRIGA-Mark-II Pulsed Reactor
DA December 1, 1974
USE TRIGA-2-Pavia Reactor

LENDING INSTITUTIONS [01]
DA June 17, 1981
RT Economy
RT Financial Assistance
RT Financing

LENGTH [01]
DA December 1, 1974
BT1 Dimensions
NT1 Bond Lengths
NT1 Coherence Length
NT1 Debye Length
NT1 Diffusion Length
NT1 Elementary Length
NT1 Extrapolation Length
NT1 Migration Length
NT1 Radiation Length
NT1 Scattering Lengths
NT1 Slowing-Down Length

Lenin (Nuclear Ship)
DA December 1, 1974
USE NS Lenin

LENIN REACTOR [01]
DA December 1, 1974
UF *Icebreaker Lenin Reactor*
UF *Nuclear Ship Lenin Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Ship Propulsion Reactors
BT2 Propulsion Reactors
BT3 Reactors
RT NS Lenin

LENINGRAD-1 REACTOR [01]
(Sosnovyy Bor, Leningrad, USSR)
DA January 21, 1975
UF *RBMK-1000 Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 LWGR Type Reactors
BT2 Graphite Moderated Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

LENINGRAD-2 REACTOR [01]
(Sosnovyy Bor, Leningrad, USSR)
DA January 21, 1975
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 LWGR Type Reactors
BT2 Graphite Moderated Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

LENINGRAD-3 REACTOR [01]
DA September 20, 1984
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 LWGR Type Reactors
BT2 Graphite Moderated Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

LENINGRAD-4 REACTOR [01]
DA September 20, 1984
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 LWGR Type Reactors
BT2 Graphite Moderated Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

LENINGRAD INSTITUTE OF NUCLEAR PHYSICS [01]
(Leningrad Institute of Nuclear Physics (LIYaF).)
DA April 12, 1977
BT1 USSR Organizations
BT2 National Organizations

LENINGRAD SYNCHROCYCLOTRON
DA May 6, 1975
BT1 Synchrocyclotrons
BT2 Cyclic Accelerators
BT3 Accelerators

LENNARD-JONES POTENTIAL [01]
DA December 1, 1974
BT1 Potentials
RT Interatomic Forces

Lens (Crystalline)
DA December 1, 1974
USE Crystalline Lens

LENSES [01]
DA December 1, 1974
NT1 Electromagnetic Lenses
NT1 Electrostatic Lenses
NT1 Fresnel Lens
NT1 Gravitational Lenses
RT Optical Systems

Leonid Brezhnev Reactor
(Prior to 1982, this reactor was known as ARKTIKA REACTOR.)
DA August 16, 1989
USE Arktika Reactor

LEP STORAGE RINGS [01]
(European Large Electron-Positron storage rings.)
DA November 10, 1977
BT1 Storage Rings

LEPIDOPTERA [01]
DA June 16, 1981
BT1 Insects
BT2 Arthropods
BT3 Invertebrates
BT4 Animals
NT1 Moths
NT2 Bollworm
NT2 Codling Moth
NT2 Lymantria Dispar
NT2 Rice Stem Borers
NT2 Silkworm

LEPROSY [01]
DA December 1, 1974
BT1 Bacterial Diseases
BT2 Infectious Diseases
BT3 Diseases
RT Mycobacterium

LEPTON-BARYON INTERACTIONS [01]
DA December 1, 1974
BT1 Lepton-Hadron Interactions
BT2 Particle Interactions
BT3 Interactions
NT1 Electron-Deuteron Interactions
NT1 Lepton-Hyperon Interactions
* NT1 Lepton-Nucleon Interactions
NT1 Muon-Deuteron Interactions
NT1 Neutrino-Deuteron Interactions

LEPTON BEAMS [01]
DA December 1, 1974
BT1 Particle Beams
BT2 Beams
NT1 Electron Beams
NT1 Muon Beams
NT1 Neutrino Beams
NT1 Positron Beams

Lepton-Deuteron Interactions
DA December 1, 1974
USE Deuterium Target
AND Lepton Reactions

LEPTON-HADRON INTERACTIONS [01]
DA December 1, 1974
BT1 Particle Interactions
BT2 Interactions
* NT1 Lepton-Baryon Interactions
* NT1 Lepton-Meson Interactions
RT Electromagnetic Interactions
RT Weak Interactions

LEPTON-HYPERON INTERACTIONS [01]
DA December 1, 1974
BT1 Lepton-Baryon Interactions
BT2 Lepton-Hadron Interactions
BT3 Particle Interactions
BT4 Interactions

LEPTON-LEPTON INTERACTIONS [01]
DA December 1, 1974
BT1 Particle Interactions
BT2 Interactions
NT1 Electron-Electron Interactions
NT1 Electron-Muon Interactions
NT1 Electron-Positron Interactions
NT1 Muon-Muon Interactions
NT1 Neutrino-Electron Interactions
NT2 Antineutrino-Electron Interactions
NT1 Neutrino-Muon Interactions
NT1 Neutrino-Neutrino Interactions
NT1 Positron-Positron Interactions
RT Electromagnetic Interactions
RT Weak Interactions

LEPTON-MESON INTERACTIONS [01]
DA December 1, 1974
BT1 Lepton-Hadron Interactions
BT2 Particle Interactions
BT3 Interactions
NT1 Electron-Meson Interactions
NT2 Electron-Pion Interactions
NT1 Muon-Meson Interactions
NT2 Muon-Pion Interactions
NT1 Neutrino-Meson Interactions

LEPTON-NEUTRON INTERACTIONS [01]
DA April 13, 1977
BT1 Lepton-Nucleon Interactions
BT2 Lepton-Baryon Interactions
BT3 Lepton-Hadron Interactions

BT4 Particle Interactions
BT5 Interactions

LEPTON-NUCLEON INTERACTIONS [01]
DA December 1, 1974
BT1 Lepton-Baryon Interactions
BT2 Lepton-Hadron Interactions
BT3 Particle Interactions
BT4 Interactions
NT1 Antilepton-Neutron Interactions
NT2 Antineutrino-Neutron Interactions
NT1 Deep Inelastic Scattering
NT1 Electron-Nucleon Interactions
NT2 Electron-Neutron Interactions
NT2 Electron-Proton Interactions
NT1 Lepton-Neutron Interactions
NT1 Lepton-Proton Interactions
NT2 Antilepton-Proton Interactions
NT3 Antineutrino-Proton Interactions
NT1 Muon-Nucleon Interactions
NT2 Muon-Neutron Interactions
NT2 Muon-Proton Interactions
* NT1 Neutrino-Nucleon Interactions

LEPTON NUMBER [01]
DA December 1, 1974
NT1 Muon Number
RT Gauge Invariance
RT Leptons

LEPTON-PROTON INTERACTIONS [01]
DA September 11, 1975
BT1 Lepton-Nucleon Interactions
BT2 Lepton-Baryon Interactions
BT3 Lepton-Hadron Interactions
BT4 Particle Interactions
BT5 Interactions
NT1 Antilepton-Proton Interactions
NT2 Antineutrino-Proton Interactions

LEPTON REACTIONS [01]
DA December 1, 1974
UF+ *Lepton-Deuteron Interactions*
BT1 Nuclear Reactions
NT1 Electron Reactions
NT2 Electrofission
NT1 Muon Reactions
NT1 Neutrino Reactions
NT1 Positron Reactions

LEPTONIC DECAY [01]
DA December 1, 1974
BT1 Weak Interactions
BT2 Basic Interactions
BT3 Interactions
BT1 Weak Particle Decay
BT2 Particle Decay
BT3 Decay
RT Neutrinos
RT Semileptonic Decay
DEF Weak decay in which all decay products are leptons with at least one being a neutrino.

LEPTONS [01]
DA December 1, 1974
BT1 Elementary Particles
BT1 Fermions
* NT1 Antileptons
NT1 Electrons
NT2 Cosmic Electrons
NT2 Exoelectrons
NT2 Prompt Electrons
NT2 Runaway Electrons
NT2 Solar Electrons
NT2 Solvated Electrons
NT2 Trapped Electrons
NT1 Heavy Leptons
NT2 Heavy Neutral Muons
NT2 Tau Neutrinos
NT2 Tau Particles
NT1 Muons
NT2 Cosmic Muons
NT2 Muons Minus
NT2 Muons Plus
* NT1 Neutrinos
RT Feinberg-Pais Theory
RT Lepton Number
RT Preons
RT Semileptonic Decay

LERMONTOVITE [01]
DA December 1, 1974
BT1 Phosphate Minerals
BT2 Minerals
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
RT Calcium Phosphates
RT Uranium Phosphates

LESOTHO [01]
DA April 4, 1975
BT1 Africa
BT1 Developing Countries

LESSER ANTILLES [01]
DA February 11, 1980
BT1 West Indies
BT2 Islands
NT1 Barbados
NT1 Martinique
NT1 Netherlands Antilles
NT1 Trinidad and Tobago
NT1 Virgin Islands

LET [01]
DA December 1, 1974
UF *Linear Energy Transfer*
BT1 Energy Transfer
RT Biological Repair
RT Bragg Curve
RT Dose Equivalents
RT Energy Deposition
RT Energy Losses
RT Ionization
RT Microdosimetry
RT Oxygen Enhancement Ratio
RT Quality Factor
RT Radiation Quality
RT RBE

LETHAL DOSES [01]
DA April 19, 1976
BT1 Doses
NT1 Lethal Radiation Dose
RT Toxicity

LETHAL GENES [01]
DA December 1, 1974
BT1 Genes
RT Lethal Mutations

LETHAL IRRADIATION [01]
DA December 1, 1974
BT1 Irradiation
RT Death
RT Dose-Response Relationships
RT Lethal Radiation Dose
RT Mortality
RT Radiation Doses
RT Sublethal Irradiation
RT Supralethal Irradiation
RT Survival Curves
RT Survival Time

LETHAL MUTATIONS [01]
DA December 1, 1974
UF *Lethals*
BT1 Mutations
RT Lethal Genes

LETHAL RADIATION DOSE [01]
(Referring to a percentage kill, frequently with a time indication.)
DA December 1, 1974
UF *LD 50*
BT1 Lethal Doses
BT2 Doses
BT1 Radiation Doses
BT2 Doses
RT Lethal Irradiation
RT Sublethal Irradiation
RT Supralethal Irradiation

Lethals
DA December 1, 1974
USE Lethal Mutations

Letters-of-Credit
DA May 21, 1983
USE Credit Accounts

LETTUCE [01]
DA December 1, 1974
BT1 Magnoliopsida
BT2 Magnoliophyta
BT3 Plants
BT1 Vegetables
BT2 Food
BT2 Plants

LEUCINE [01]
DA December 1, 1974
UF *Aminoisocaproic Acid-alpha*
BT1 Amino Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds

Leucocytes
DA December 1, 1974
USE Leukocytes

Leucovorin
DA December 11, 1978
USE Citrovorum Factor

LEUKEMIA [01]
DA December 1, 1974
BT1 Immune System Diseases
BT2 Diseases
BT1 Neoplasms
BT2 Diseases
NT1 Myeloid Leukemia
RT Bone Marrow
RT Leukemia Viruses
RT Leukemogenesis
RT Leukocytes
RT Lymphatic System
RT Splenomegaly
RT Vinblastine

LEUKEMIA VIRUSES [01]
DA October 20, 1977
BT1 Oncogenic Viruses
BT2 Viruses
BT3 Microorganisms
BT3 Parasites
RT Experimental Neoplasms
RT Leukemia

LEUKEMOGENESIS [01]
DA December 1, 1974
BT1 Carcinogenesis
BT2 Pathogenesis
RT Leukemia

LEUKOCYTES [01]
DA December 1, 1974
UF *Granulocytes*
UF *Leucocytes*
BT1 Blood Cells
BT2 Blood
BT3 Body Fluids
BT4 Biological Materials
BT5 Materials
NT1 Basophils
NT1 Eosinophils
NT1 Lymphocytes
NT1 Monocytes
NT1 Natural Killer Cells
NT1 Neutrophils
RT AIDS
RT Leukemia
RT Leukocytin
RT Leukopenia
RT Leukopoiesis
RT Phagocytes

LEUKOCYTIN
DA January 21, 1975
RT Alkaloids
RT Blood Formation
RT Leukocytes
DEF Substance in blood that stimulates the formation of leukocytes.

LEUKOPENIA [01]
DA December 1, 1974

BT1 Hemic Diseases
BT2 Diseases
BT1 Immune System Diseases
BT2 Diseases
NT1 Lymphopenia
RT Leukocytes

LEUKOPOIESIS [01]
DA December 1, 1974
UF *Lymphopoiesis*
BT1 Blood Formation
RT Immune System Diseases
RT Leukocytes

Level Density
DA December 1, 1974
USE Energy Levels

LEVEL INDICATORS [01]
DA December 1, 1974
BT1 Measuring Instruments
RT Radiometric Gages

LEVEL MIXING RESONANCE [01]
DA September 18, 1989
BT1 Resonance
RT Nuclear Magnetic Resonance
RT Nuclear Quadrupole Resonance
DEF A resonant method which measures nuclear electric quadrupole and magnetic dipole interactions.

Level Schemes
DA December 1, 1974
USE Energy Levels

LEVEL WIDTHS [01]
DA December 1, 1974
RT Energy-Level Density
RT Energy Levels
RT Lifetime
RT Line Widths
RT Porter-Thomas Distribution

LEVELS [01]
(Limited to elevation. Not for ENERGY LEVELS.)
DA December 1, 1974
UF *Elevation*
NT1 Ground Level
NT1 Sea Level
NT1 Underground
NT1 Underwater
RT Altitude
RT Height

LEVINGER-BETHE THEORY [01]
DA December 1, 1974
UF *Levinger Method*
RT Nucleons
RT Photoproduction

Levinger Method
DA December 1, 1974
USE Levinger-Bethe Theory

LEVINSON-BANERJEE THEORY [01]
DA December 1, 1974
RT Inelastic Scattering

LEVINSON THEOREM [01]
DA December 1, 1974
RT Quantum Mechanics
RT Scattering

LEVITATED TRAINS
DA November 11, 1975
UF *Magnetic Levitated Trains*
BT1 Trains
BT2 Vehicles
RT Levitation
RT Railways

LEVITATION [01]
DA December 1, 1974
RT Levitated Trains
RT Magnetic Fields

LEVITRON DEVICES [01]
DA December 1, 1974
BT1 Internal Ring Devices
BT2 Clo[illegible] Plasma Devices
BT3 [illegible]onuclear Devices

LEVULINIC ACID [01]
DA December 1, 1974
UF *Acetylpropionic Acid-beta*
UF *Ketovaleric Acid-gamma*
BT1 Keto Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds

Levulose
DA December 1, 1974
USE Fructose

LEVY-KLEIN POTENTIAL [01]
DA December 1, 1974
UF *Levy Potential*
BT1 Potentials
RT Nucleon-Nucleon Potential

Levy Potential
DA December 1, 1974
USE Levy-Klein Potential

LEWIS ACIDS
DA April 15, 1975
BT1 Inorganic Acids
BT2 Hydrogen Compounds
RT Broenstert Acids
RT Lewis Bases
DEF Compounds that are electron deficient.

LEWIS BASES
DA April 15, 1975
BT1 Bases
RT Lewis Acids
DEF Molecule with excess electrons.

Lewis Effect
DA December 1, 1974
USE Lewis Peak

LEWIS PEAK [01]
DA December 1, 1974
UF *Lewis Effect*
RT Nuclear Reactions

LEWIS RIVER [01]
DA May 18, 1981
BT1 Rivers
BT2 Streams
BT3 Surface Waters
RT Hydroelectric Power Plants
RT Washington

Leyden Event
DA June 21, 1977
USE Anvil Project

LFR REACTOR [01]
(Stichting Energieonderzoek Centrum Nederland, Petten, Netherlands.)
DA December 1, 1974
UF *Lage Flux Reaktor Petten*
UF *Low Flux Reactor Petten*
UF *Petten Low Flux Reactor*
BT1 Argonaut Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors

LH [01]
DA December 1, 1974
UF *Interstitial Cell Stim Hormone*
UF *Luteinizing Hormone*
BT1 Gonadotropins
BT2 Pituitary Hormones
BT3 Peptide Hormones
BT4 Hormones
BT4 Proteins
BT5 Organic Compounds
RT Androgens
RT Estrous Cycle
RT LH-RH

LH-RH [01]
(LH Releasing Hormone.)
DA May 15, 1975
BT1 Liberins
BT2 Pituitary Hormones
BT3 Peptide Hormones
BT4 Hormones
BT4 Proteins
BT5 Organic Compounds
RT LH

LI-DRIFTED DETECTORS [01]
DA December 1, 1974
BT1 Semiconductor Detectors
BT2 Radiation Detectors
BT3 Measuring Instruments
NT1 Li-Drifted Ge Detectors
NT1 Li-Drifted Junction Detectors
NT1 Li-Drifted Si Detectors

LI-DRIFTED GE DETECTORS [01]
DA December 1, 1974
UF *Ge(Li) Detectors*
BT1 Ge Semiconductor Detectors
BT2 Semiconductor Detectors
BT3 Radiation Detectors
BT4 Measuring Instruments
BT1 Li-Drifted Detectors
BT2 Semiconductor Detectors
BT3 Radiation Detectors
BT4 Measuring Instruments

LI-DRIFTED JUNCTION DETECTORS [01]
DA December 1, 1974
BT1 Junction Detectors
BT2 Semiconductor Detectors
BT3 Radiation Detectors
BT4 Measuring Instruments
BT1 Li-Drifted Detectors
BT2 Semiconductor Detectors
BT3 Radiation Detectors
BT4 Measuring Instruments

LI-DRIFTED SI DETECTORS [01]
DA December 1, 1974
BT1 Li-Drifted Detectors
BT2 Semiconductor Detectors
BT3 Radiation Detectors
BT4 Measuring Instruments
BT1 Si Semiconductor Detectors
BT2 Semiconductor Detectors
BT3 Radiation Detectors
BT4 Measuring Instruments

LIABILITIES [01]
DA December 1, 1974
UF *Accountability (Legal)*
SF *Accountability*
NT1 Civil Liability
NT1 Nuclear Liability
RT Accidents
RT BCOLONS
RT Financial Security
RT Hazards
RT Insurance
RT Joint Ventures
RT Legal Aspects
RT Victims Compensation

Liability Conv Maritime Carriage Nuclear Materials
DA December 1, 1974
USE BCOCLMCNM

Liability Conv Nuclear Damage, Vienna
DA December 1, 1974
USE VCOCLND

Liability Conv on Third Party, Brussels
DA December 1, 1974
USE BCSTPC

Liability Conv on Third Party, Paris
DA December 1, 1974
USE PCOTPL

Liapunov Method
DA November 1, 1976
USE Lyapunov Method

LIBERIA [01]
DA December 1, 1974
BT1 Africa
BT1 Developing Countries

LIBERINS [01]
DA March 7, 1983
UF *Releasing Factors*
UF *Releasing Hormones*
BT1 Pituitary Hormones
BT2 Peptide Hormones
BT3 Hormones
BT3 Proteins
BT4 Organic Compounds
NT1 LH-RH

LIBRARIES
DA November 28, 1975
RT Buildings
RT Educational Facilities
RT Information
RT Nuclear Data Collections
RT Public Buildings

LIBYA [01]
DA December 1, 1974
BT1 Africa
BT1 Arab Countries
BT1 Developing Countries
RT OAPEC
RT OPEC

LICADO PROCESS [01]
DA April 29, 1986
BT1 Coal Preparation
BT1 Separation Processes
DEF Use of liquid carbon dioxide as a non-aqueous medium for cleaning ultrafine coal.

LICENSE APPLICATIONS
DA August 25, 1980
BT1 Administrative Procedures
RT Licenses

LICENSES [01]
DA December 1, 1974
NT1 Construction Permits
NT1 Operating Licenses
RT Legal Aspects
RT License Applications
RT Licensing Procedures
RT Licensing Regulations
RT Site Approvals

LICENSING [01]
DA December 1, 1974
NT1 Reactor Licensing
RT Audits
RT Certification
RT Inspection
RT Legal Aspects
RT Patents
RT Radiation Protection
RT Recommendations
RT Regulations
RT Safety Standards
RT Site Selection

→**LICENSING PROCEDURES [01]**
(Prior to August 1992 this concept was indexed to LICENSE APPLICATIONS.)
DA August 17, 1992
BT1 Administrative Procedures
RT Hearings
RT Licenses
RT Operating Licenses

→**LICENSING REGULATIONS [01]**
DA October 13, 1992
BT1 Regulations
RT Licenses
RT Operating Licenses
RT Retrofitting
RT Risk Assessment
RT Safety Analysis
RT Safety Reports

LICHENS [01]
DA December 1, 1974
BT1 Algae
BT2 Plants
BT1 Eumycota
BT2 Fungi
BT3 Plants

LICHTENBERG ALLOY [01]
DA December 1, 1974
BT1 Bismuth Base Alloys
BT2 Bismuth Alloys
BT3 Alloys
BT1 Lead Alloys
BT2 Alloys
BT1 Tin Alloys
BT2 Alloys

LICHTENBERG FIGURES [01]
DA December 1, 1974
RT Breakdown
RT Corona Discharges
RT Dielectric Materials

LICHTENBERG PROCESS
DA January 24, 1975
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes
RT Molten Salts

Lidar
DA January 30, 1979
USE Optical Radar

LIDO REACTOR [01]
DA December 1, 1974
UF *UKAEA-Lido Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

LIE GROUPS [01]
DA December 1, 1974
BT1 Symmetry Groups
NT1 Conformal Groups
NT1 De Sitter Group
NT1 Graded Lie Groups
NT1 O Groups
NT1 Poincare Groups
NT2 Lorentz Groups
NT1 SL Groups
NT1 SO Groups
NT2 SO-10 Groups
NT2 SO-12 Groups
NT2 SO-2 Groups
NT2 SO-3 Groups
NT2 SO-4 Groups
NT2 SO-6 Groups
NT2 SO-8 Groups
NT1 SP Groups
NT1 SU Groups
NT2 SU-2 Groups
NT2 SU-3 Groups
NT2 SU-4 Groups
NT2 SU-5 Groups
NT2 SU-6 Groups
NT2 SU-7 Groups
NT2 SU-8 Groups
NT2 SU-9 Groups
NT1 SW Groups
NT2 SW-3 Groups
NT1 U Groups
NT2 U-1 Groups
NT2 U-12 Groups
NT2 U-2 Groups
NT2 U-3 Groups
NT2 U-4 Groups
NT2 U-5 Groups
NT2 U-6 Groups
RT Lattice Field Theory

Lie Superalgebra
DA December 20, 1978
USE Graded Lie Groups

LIEBIGITE [01]
DA December 1, 1974
BT1 Carbonate Minerals
BT2 Minerals
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
RT Calcium Carbonates
RT Uranium Carbonates

Life (Service)
DA August 5, 1976
USE Service Life

LIFE CYCLE [01]
DA December 1, 1974
RT Adolescents
RT Adults
RT Age Groups
RT Children
RT Elderly People
RT Growth
RT Life Span
RT Ova
RT Pregnancy
RT Pupae
RT Reproduction
RT Ripening
RT Viability

LIFE-CYCLE COST [01]
DA April 19, 1976
BT1 Cost
RT Cost Benefit Analysis
RT Cost Estimation
RT Economics
RT Payback Period
RT Service Life

Life Shortening
DA December 1, 1974
USE Life Span

LIFE SPAN [01]
DA December 1, 1974
UF *Life Shortening*
RT Age Dependence
RT Death
RT Dose Commitments
RT Life Cycle
RT Mortality

LIFE STYLES
DA November 14, 1978
SF *Way of Life*
RT Quality of Life
RT Socio-Economic Factors
RT Standard of Living
DEF The manner in which is organized the daily life of an individual, or more generally, a community and the type of values reflected by this organization.

LIFE SUPPORT SYSTEMS
DA May 2, 1979
RT Decontamination
RT Diving Operations
RT Miners
RT Protective Clothing
RT Respirators
DEF Systems providing atmospheric control and monitoring.

LIFETIME [01]
DA December 1, 1974
UF *Mean Life*
NT1 Carrier Lifetime
NT1 DSA Method
NT1 Service Life
RT Charge Plunger Method
RT Days Living Radioisotopes

RT Decay
RT Half-Life
RT Hours Living Radioisotopes
RT Level Widths
RT Millisec Living Radioisotopes
RT Minutes Living Radioisotopes
RT Nanosec Living Radioisotopes
RT Particle Properties
RT Particle Widths
RT Seconds Living Radioisotopes
RT Storage Life
RT Years Living Radioisotopes

LIFT CYCLES
DA August 12, 1980
UF *OTEC Lift Cycles*
SF *Beck Cycle*
BT1 Thermodynamic Cycles
NT1 Foam-Lift Cycles
NT1 Mist-Lift Cycles
RT Ocean Thermal Power Plants
RT Open-Cycle Systems
DEF Open power cycle that uses a lift process to increase the potential energy of transported water which turns a hydraulic turbine for power generation.

LIGAMENTS [01]
DA December 1, 1974
BT1 Connective Tissue
BT2 Animal Tissues
BT3 Tissues
BT4 Body

LIGANDS [01]
DA December 1, 1974
RT Complexes
RT Coordination Number
RT Crown Ethers
RT Ligases
RT Stereochemistry

LIGASES [01]
(Code number 6.)
DA December 1, 1974
UF *Synthetases*
BT1 Enzymes
BT2 Proteins
BT3 Organic Compounds
RT Biosynthesis
RT Complexes
RT Ligands

Light
DA December 1, 1974
USE Visible Radiation

Light (Zodiacal)
DA December 1, 1974
USE Zodiacal Light

LIGHT BULB REACTORS [01]
DA December 1, 1974
BT1 Gas Fueled Reactors
BT2 Fluid Fueled Reactors
BT3 Reactors
BT2 Homogeneous Reactors
BT3 Reactors

LIGHT BULBS
DA July 23, 1977
UF *Incandescent Lamps*
UF *Lamps*
NT1 Fluorescent Lamps
RT Lighting Systems

LIGHT CONE [01]
DA December 1, 1974
BT1 Space-Time
RT Cherenkov Radiation
RT Minkowski Space
RT Relativity Theory

LIGHT EMITTING DIODES [01]
DA December 1, 1974
UF *LED*
BT1 Semiconductor Diodes
BT2 Semiconductor Devices

Light Guides
DA March 29, 1982
USE Optical Fibers

LIGHT IONS [01]
(Whenever appropriate use one of the specific terms listed under ION BEAMS.)
DA November 10, 1977
BT1 Ions
BT2 Charged Particles
RT Ion Beams
RT Ion Detection
RT Multicharged Ions

LIGHT NUCLEI [01]
(For nuclei with mass 1-40.)
DA December 1, 1974
BT1 Nuclei
NT1 Aluminium 22
NT1 Aluminium 23
NT1 Aluminium 24
NT1 Aluminium 25
NT1 Aluminium 26
NT1 Aluminium 27
NT1 Aluminium 28
NT1 Aluminium 29
NT1 Aluminium 30
NT1 Aluminium 31
NT1 Aluminium 32
NT1 Aluminium 33
NT1 Aluminium 34
NT1 Aluminium 35
NT1 Aluminium 36
NT1 Aluminium 37
NT1 Aluminium 38
NT1 Aluminium 39
NT1 Argon 31
NT1 Argon 32
NT1 Argon 33
NT1 Argon 34
NT1 Argon 35
NT1 Argon 36
NT1 Argon 37
NT1 Argon 38
NT1 Argon 39
NT1 Argon 40
NT1 Beryllium 5
NT1 Beryllium 6
NT1 Beryllium 7
NT1 Beryllium 8
NT1 Beryllium 9
NT1 Beryllium 10
NT1 Beryllium 11
NT1 Beryllium 12
NT1 Beryllium 13
NT1 Beryllium 14
NT1 Boron 7
NT1 Boron 8
NT1 Boron 9
NT1 Boron 10
NT1 Boron 11
NT1 Boron 12
NT1 Boron 13
NT1 Boron 14
NT1 Boron 15
NT1 Boron 16
NT1 Boron 17
NT1 Boron 18
NT1 Boron 19
NT1 Calcium 35
NT1 Calcium 36
NT1 Calcium 37
NT1 Calcium 38
NT1 Calcium 39
NT1 Calcium 40
NT1 Carbon 8
NT1 Carbon 9
NT1 Carbon 10
NT1 Carbon 11
NT1 Carbon 12
NT1 Carbon 13
NT1 Carbon 14
NT1 Carbon 15
NT1 Carbon 16
NT1 Carbon 17
NT1 Carbon 18
NT1 Carbon 19
NT1 Carbon 20
NT1 Carbon 22
NT1 Chlorine 31
NT1 Chlorine 32
NT1 Chlorine 33
NT1 Chlorine 34
NT1 Chlorine 35
NT1 Chlorine 36
NT1 Chlorine 37
NT1 Chlorine 38
NT1 Chlorine 39
NT1 Chlorine 40
NT1 Deuterium
NT1 Fluorine 14
NT1 Fluorine 15
NT1 Fluorine 16
NT1 Fluorine 17
NT1 Fluorine 18
NT1 Fluorine 19
NT1 Fluorine 20
NT1 Fluorine 21
NT1 Fluorine 22
NT1 Fluorine 23
NT1 Fluorine 24
NT1 Fluorine 25
NT1 Fluorine 26
NT1 Fluorine 27
NT1 Fluorine 29
NT1 Helium 2
NT1 Helium 3
NT2 Helium 3 A
NT2 Helium 3 A1
NT2 Helium 3 B
NT1 Helium 4
NT2 Helium I
NT2 Helium II
NT1 Helium 5
NT1 Helium 6
NT1 Helium 7
NT1 Helium 8
NT1 Helium 9
NT1 Helium 10
NT1 Hydrogen 1
NT1 Hydrogen 4
NT1 Hydrogen 5
NT1 Hydrogen 6
NT1 Hydrogen 7
NT1 Lithium 3
NT1 Lithium 4
NT1 Lithium 5
NT1 Lithium 6
NT1 Lithium 7
NT1 Lithium 8
NT1 Lithium 9
NT1 Lithium 10
NT1 Lithium 11
NT1 Lithium 12
NT1 Lithium 13
NT1 Magnesium 20
NT1 Magnesium 21
NT1 Magnesium 22
NT1 Magnesium 23
NT1 Magnesium 24
NT1 Magnesium 25
NT1 Magnesium 26
NT1 Magnesium 27
NT1 Magnesium 28
NT1 Magnesium 29
NT1 Magnesium 30
NT1 Magnesium 31
NT1 Magnesium 32
NT1 Magnesium 33
NT1 Magnesium 34
NT1 Magnesium 35
NT1 Magnesium 36
NT1 Neon 16
NT1 Neon 17
NT1 Neon 18
NT1 Neon 19
NT1 Neon 20
NT1 Neon 21
NT1 Neon 22
NT1 Neon 23
NT1 Neon 24
NT1 Neon 25
NT1 Neon 26
NT1 Neon 27
NT1 Neon 28
NT1 Neon 29
NT1 Neon 30
NT1 Neon 32
NT1 Nitrogen 11
NT1 Nitrogen 12
NT1 Nitrogen 13
NT1 Nitrogen 14
NT1 Nitrogen 15
NT1 Nitrogen 16
NT1 Nitrogen 17

NT1 Nitrogen 18
NT1 Nitrogen 19
NT1 Nitrogen 20
NT1 Nitrogen 21
NT1 Nitrogen 22
NT1 Nitrogen 23
NT1 Oxygen 12
NT1 Oxygen 13
NT1 Oxygen 14
NT1 Oxygen 15
NT1 Oxygen 16
NT1 Oxygen 17
NT1 Oxygen 18
NT1 Oxygen 19
NT1 Oxygen 20
NT1 Oxygen 21
NT1 Oxygen 22
NT1 Oxygen 23
NT1 Oxygen 24
NT1 Oxygen 28
NT1 Phosphorus 21
NT1 Phosphorus 24
NT1 Phosphorus 26
NT1 Phosphorus 27
NT1 Phosphorus 28
NT1 Phosphorus 29
NT1 Phosphorus 30
NT1 Phosphorus 31
NT1 Phosphorus 32
NT1 Phosphorus 33
NT1 Phosphorus 34
NT1 Phosphorus 35
NT1 Phosphorus 36
NT1 Phosphorus 37
NT1 Phosphorus 38
NT1 Phosphorus 39
NT1 Phosphorus 40
NT1 Potassium 35
NT1 Potassium 36
NT1 Potassium 37
NT1 Potassium 38
NT1 Potassium 39
NT1 Potassium 40
NT1 Scandium 39
NT1 Scandium 40
NT1 Silicon 22
NT1 Silicon 23
NT1 Silicon 24
NT1 Silicon 25
NT1 Silicon 26
NT1 Silicon 27
NT1 Silicon 28
NT1 Silicon 29
NT1 Silicon 30
NT1 Silicon 31
NT1 Silicon 32
NT1 Silicon 33
NT1 Silicon 34
NT1 Silicon 35
NT1 Silicon 36
NT1 Silicon 37
NT1 Silicon 38
NT1 Silicon 39
NT1 Silicon 40
NT1 Silicon 42
NT1 Sodium 19
NT1 Sodium 20
NT1 Sodium 21
NT1 Sodium 22
NT1 Sodium 23
NT1 Sodium 24
NT1 Sodium 25
NT1 Sodium 26
NT1 Sodium 27
NT1 Sodium 28
NT1 Sodium 29
NT1 Sodium 30
NT1 Sodium 31
NT1 Sodium 32
NT1 Sodium 33
NT1 Sodium 34
NT1 Sodium 35
NT1 Sulfur 24
NT1 Sulfur 27
NT1 Sulfur 28
NT1 Sulfur 29
NT1 Sulfur 30
NT1 Sulfur 31
NT1 Sulfur 32
NT1 Sulfur 33
NT1 Sulfur 34
NT1 Sulfur 35
NT1 Sulfur 36
NT1 Sulfur 37
NT1 Sulfur 38
NT1 Sulfur 39
NT1 Sulfur 40
NT1 Sulfur 41
NT1 Sulfur 42
NT1 Titanium 39
NT1 Titanium 40
NT1 Tritium
RT Nuclear Structure

LIGHT PIPES [01]
DA December 1, 1974
RT Scintillation Counters

LIGHT SCATTERING
DA January 24, 1975
BT1 Scattering
RT Diffuse Solar Radiation
RT Optical Properties
RT Visible Radiation

LIGHT SOURCES [01]
DA December 1, 1974
BT1 Radiation Sources
RT Advanced Light Source
RT Advanced Photon Source
RT NSLS
RT Photon Beams
RT Synchrotron Radiation Sources
RT Visible Radiation

LIGHT TRANSMISSION [01]
DA January 24, 1975
RT Fiber Optics
RT Opacity
RT Optical Properties
RT Transmission

Light Water Cooled Reactors
DA December 17, 1979
USE Water Cooled Reactors

Light Water Moderated Reactors
DA December 17, 1979
USE Water Moderated Reactors

Lighter-than-Air Craft
DA January 15, 1980
USE Airships

LIGHTERING
DA August 8, 1979
BT1 Materials Handling
RT Petroleum
RT Tanker Ships
RT Transport
DEF Transhipment of petroleum from VLCC to second vessel in order to reduce VLCC draft so that she can enter harbor.

LIGHTING LOADS
DA May 18, 1981
RT Lighting Systems

LIGHTING SYSTEMS [01]
DA January 28, 1975
UF *Illumination Systems*
BT1 Energy Systems
RT Ballasts
RT Daylighting
RT Electrical Equipment
RT Fluorescent Lamps
RT Illuminance
RT Light Bulbs
RT Lighting Loads
RT Skylights
RT Visible Radiation

LIGHTNING [01]
DA December 1, 1974
BT1 Electric Discharges
NT1 Ball Lightning
RT Storms
RT Whistlers

LIGHTNING ARRESTERS [01]
DA December 1, 1974
BT1 Electrical Equipment
BT2 Equipment
RT Circuit Breakers

LIGHTWOOD
DA October 28, 1980
BT1 Wood
RT Conifers
DEF A coniferous wood containing oleoresins or other volatile flammable substances.

LIGNIN [01]
DA December 1, 1974
BT1 Polysaccharides
BT2 Saccharides
BT3 Carbohydrates
BT4 Organic Compounds
RT Bark
RT Biomass
RT Delignification
RT Glycosides
RT Hemicellulose
RT Polyacetals
RT Wood
RT Xylans

LIGNITE [01]
DA December 1, 1974
SF *Soft Coal*
BT1 Brown Coal
BT2 Coal
BT3 Carbonaceous Materials
BT4 Materials
BT3 Fossil Fuels
BT4 Energy Sources
BT4 Fuels
RT Subbituminous Coal

LIGROIN
DA December 16, 1975
UF *Benzine*
UF *Petroleum Ether*
BT1 Naphtha
BT2 Distillates
BT1 Petroleum Products
DEF Any of several petroleum naphtha fractions boiling usually in the range 20 to 135^{0}C consisting chiefly of pentanes and hexanes.

LILIOPSIDA [01]
DA December 20, 1988
UF *Monocotyledons*
BT1 Magnoliophyta
BT2 Plants
NT1 Allium Sativum
NT1 Aloe
NT1 Banana Plants
NT1 Buckwheat
NT1 Cattails
NT1 Coconut Palms
NT1 Gramineae
NT2 Bamboo
NT2 Cereals
NT3 Barley
NT3 Maize
NT3 Millet
NT3 Oats
NT3 Rice
NT3 Rye
NT3 Sorghum
NT3 Wheat
NT2 Reeds
NT3 Sugar Cane
NT1 Lilium
NT1 Oil Palms
NT1 Onions
NT2 Allium Cepa
NT1 Tradescantia
NT1 Trillium
NT1 Water Hyacinths

LILIUM [01]
DA December 1, 1974
BT1 Liliopsida
BT2 Magnoliophyta
BT3 Plants

LIMBS [01]
DA December 1, 1974
BT1 Body Areas
BT2 Body
NT1 Arms
NT1 Hands
NT2 Fingers

NT1 Legs
NT2 Feet
RT Muscles
RT Skeleton

LIME-LIMESTONE WET SCRUBBING PROCESSES [01]
DA April 12, 1977
UF+ *Jecco Process*
BT1 Desulfurization
BT2 Chemical Reactions
BT1 Scrubbing
NT1 Bischoff Process
NT1 SF Nateko Process
RT Waste Processing
DEF Any processes for desulfurization of stack gases using a slurry of calcium oxide or calcium carbonate to absorb sulfur dioxide in a wet scrubber.

LIME-SODA SINTER PROCESS
DA March 17, 1981
BT1 Waste Processing
BT2 Processing
BT2 Waste Management
BT3 Management
RT Aluminium
RT Fly Ash
RT Materials Recovery
RT Portland Cement
DEF A high temperature method for extracting aluminium from fly ash while also producing a by-product used in the manufacture of portland cement.

LIMERICK-1 REACTOR [01]
(Limerick, Pennsylvania, USA)
DA December 1, 1974
UF *Philadelphia Electric Power Reactor-1*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

LIMERICK-2 REACTOR [01]
(Limerick, Pennsylvania, USA)
DA December 1, 1974
UF *Philadelphia Electric Power Reactor-2*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

LIMESTONE [01]
DA December 1, 1974
UF *Chalks*
BT1 Carbonate Rocks
BT2 Sedimentary Rocks
BT3 Rocks
NT1 Travertine
RT Calcite
RT Calcium Carbonates
RT Dolomite
RT Magnesium Carbonates

Limestone Dual Alkali Desulfurization Process
DA December 1, 1982
USE CEA-ADL Dual Alkali Process

LIMING [01]
DA February 10, 1984
RT Calcium Carbonates
RT Calcium Oxides
RT Land Reclamation
RT PH Value
RT Pollution
RT Pollution Control
RT Soil Chemistry
RT Soils
RT Water
DEF The addition of limestone or its oxidized derivatives to soil or water as a means of modifying pH.

LIMITER CIRCUITS [01]
DA December 1, 1974
BT1 Electronic Circuits

LIMITERS [01]
DA January 21, 1975
UF *Diaphragms (Thermonuclear Device)*
UF *Insulating Limiters*
NT1 Pumped Limiters
RT Plasma Diagnostics
RT Plasma Impurities
RT Thermonuclear Devices

LIMITING FRAGMENTATION [01]
DA December 1, 1974
UF+ *Cumulative Effect*
BT1 Hypothesis
RT Asymptotic Solutions
RT Inclusive Interactions
RT Laboratory System
RT Lorentz Transformations
RT Multiple Production
RT Particle Models

LIMITING VALUES [01]
DA December 1, 1974
RT Nuclear Properties
RT Particle Properties
RT Thermodynamic Properties
DEF Upper and/or lower bounds on a physical property determined theoretically or experimentally.

Limnanthes Alba
DA March 11, 1982
USE Meadow Foam

LIMNOLOGY [01]
DA December 1, 1974
RT Acid Neutralizing Capacity
RT Aquatic Ecosystems
RT Eutrophication
RT Fresh Water
RT Hydrosphere
RT Oceanography
RT Sediment-Water Interfaces
RT Sedimentary Basins
DEF The physical, chemical, meteorological, and esp. the biological and ecological conditions in inland waters.

LIMONITE [01]
DA May 15, 1975
BT1 Iron Ores
BT2 Ores
BT1 Oxide Minerals
BT2 Minerals
RT Goethite
RT Hematite
RT Iron Oxides

Linacs
DA December 1, 1974
USE Linear Accelerators

LINDANE [01]
DA August 4, 1976
BT1 Chlorinated Alicyclic Hydrocarbons
BT2 Halogenated Alicyclic Hydrocarbons
BT3 Organic Halogen Compounds
BT4 Organic Compounds
BT2 Organic Chlorine Compounds
BT3 Organic Halogen Compounds
BT4 Organic Compounds
BT1 Insecticides
BT2 Pesticides

LINE BROADENING [01]
DA December 1, 1974
UF *Spectral Broadening*
NT1 Doppler Broadening
RT Line Narrowing
RT Line Widths
RT Optical Depth Curve
RT Spectra
RT Spectroscopic Curve of Growth
RT Stark Effect

LINE DEFECTS [01]
DA December 1, 1974
BT1 Crystal Defects
BT2 Crystal Structure
NT1 Crowdions
NT1 Dislocations
NT2 Edge Dislocations
NT2 Frank-Read Source
NT2 Screw Dislocations

LINE LOSSES
DA January 30, 1979
BT1 Power Losses
BT2 Energy Losses
BT3 Losses
RT Electric Power
RT Power Transmission
RT Power Transmission Lines
DEF Total of the various energy losses occurring in a transmission line.

LINE NARROWING [01]
DA September 15, 1976
UF *Spectral Narrowing*
RT Line Broadening
RT Line Widths
RT Spectra

LINE WIDTHS [01]
DA December 1, 1974
RT Level Widths
RT Line Broadening
RT Line Narrowing
RT Spectra

LINEAMENTS
DA December 10, 1984
BT1 Geologic Structures
RT Geologic Faults
RT Geologic Fractures
RT Topography
DEF Linear topographic features that reveal a characteristic (as a fault or the subsurface structure)

LINEAR ABSORPTION MODELS [01]
DA January 22, 1975
UF *Absorption Model*
BT1 Particle Models
BT2 Mathematical Models
RT Partial Waves
RT Regge Poles
RT Scattering Amplitudes
DEF Model satisfying operator equation $A = RS$, where A is the physical scattering amplitude, R is the product of the input Regge pole amplitude, and S is a rescattering factor; and the scalar equation for partial wave projections $A(b) = R(b)S(b)$, where $b = (J + 1/2)/k$ is the impact parameter.

LINEAR ACCELERATORS [01]
DA December 1, 1974
UF *Helac*
UF *Linacs*
BT1 Accelerators
NT1 ATLAS Superconducting Linac
NT1 Beat Wave Accelerators
NT1 Beijing Electron-Positron Collider
NT1 Beijing Proton Linac
NT1 Brookhaven 200-MeV Linac
NT1 CEBAF Accelerator
NT1 CERN Linac
NT1 FMIT Linac
NT1 Frascati Linac
NT1 Hilacs

NT2 SuperHilac
NT1 ING Linac
NT1 JAERI Linac
NT1 KEK Linac
NT1 Kharkov Linac
NT1 LAMPF Linac
NT1 Linear Colliders
NT1 LLNL Advanced Test Accelerator
NT1 MEA Linac
NT1 Minnesota Univ Linac
NT1 MIT Bates Linac
NT1 NRL Linac
NT1 ORELA
NT1 Orsay Linac
NT1 Quadrupole Linacs
NT1 RILAC
NT1 Saclay Linac
NT1 Stanford 1.2-GeV Linac
NT1 Stanford 20-GeV Linac
NT1 Stanford Linear Collider
NT1 Swierk Linac
NT1 UNILAC
NT1 Wakefield Accelerators
NT1 Zeran Linac
RT Drift Tubes
RT KEK Photon Factory
RT Neutron Source Facilities
RT PIGMI Facilities

LINEAR COLLIDERS [01]
DA December 15, 1987
BT1 Linear Accelerators
BT2 Accelerators
RT Colliding Beams

Linear Combination of Atomic Orbitals
DA December 1, 1974
USE LCAO Method

Linear Energy Transfer
DA December 1, 1974
USE LET

LINEAR HARD CORE PINCH DEVICES [01]
DA December 1, 1974
UF *Inverse Pinch Devices (Linear)*
UF *Tubular Pinch Devices (Linear)*
UF *Unpinch Devices*
BT1 Linear Pinch Devices
BT2 Open Plasma Devices
BT3 Thermonuclear Devices
BT2 Pinch Devices
BT3 Thermonuclear Devices
RT Hard Core Pinch

LINEAR MOMENTUM [01]
DA December 1, 1974
UF *Momentum (Linear)*
NT1 Longitudinal Momentum
NT1 Transverse Momentum
RT Angular Momentum
RT Dalitz Plot
RT Energy-Momentum Tensor
RT Kinetic Energy
RT Linear Momentum Operators
RT Linear Momentum Resolution
RT Mass
RT Motion
RT Prism Plot
RT Velocity

LINEAR MOMENTUM OPERATORS [01]
DA December 1, 1974
BT1 Quantum Operators
BT2 Mathematical Operators
RT Linear Momentum

LINEAR MOMENTUM RESOLUTION [01]
DA December 1, 1974
BT1 Resolution
RT Linear Momentum

LINEAR MOMENTUM TRANSFER [01]
DA December 1, 1974
UF *Transfer (Linear Momentum)*
BT1 Momentum Transfer
RT Energy Transfer
RT Four Momentum Transfer

LINEAR PINCH DEVICES [01]
DA December 1, 1974
BT1 Open Plasma Devices
BT2 Thermonuclear Devices
BT1 Pinch Devices
BT2 Thermonuclear Devices
NT1 Linear Hard Core Pinch Devices
NT1 Linear Screw Pinch Devices
* NT1 Linear Theta Pinch Devices
NT1 Linear Z Pinch Devices
NT1 Megatron
RT Linear Pinch Type Reactors

LINEAR PINCH TYPE REACTORS
DA September 15, 1976
BT1 Thermonuclear Reactors
RT Linear Pinch Devices

LINEAR PROGRAMMING [01]
DA December 1, 1974
BT1 Programming
RT Econometrics

LINEAR RATEMETERS [01]
DA December 1, 1974
BT1 Counting Ratemeters
BT2 Electronic Equipment
BT3 Equipment

LINEAR SCREW PINCH DEVICES [01]
DA December 1, 1974
UF *Combined Pinch Devices (Linear)*
BT1 Linear Pinch Devices
BT2 Open Plasma Devices
BT3 Thermonuclear Devices
BT2 Pinch Devices
BT3 Thermonuclear Devices
RT Screw Pinch

Linear-Segmented Array Collector
DA October 25, 1978
USE Slat Type Collectors

LINEAR THETA PINCH DEVICES [01]
DA December 1, 1974
UF *Azimuthal Pinch Devices (Linear)*
UF *Orthogonal Pinch Devices (Linear)*
BT1 Linear Pinch Devices
BT2 Open Plasma Devices
BT3 Thermonuclear Devices
BT2 Pinch Devices
BT3 Thermonuclear Devices
NT1 BSG Devices
NT1 Chalice Devices
NT1 Isar Devices
NT1 Pharos Devices
NT1 Piace Devices
NT1 Scylla Devices
RT Theta Pinch

LINEAR Z PINCH DEVICES [01]
DA December 1, 1974
UF *Longitudinal Pinch Devices (Linear)*
UF *Z Pinch Devices (Linear)*
BT1 Linear Pinch Devices
BT2 Open Plasma Devices
BT3 Thermonuclear Devices
BT2 Pinch Devices
BT3 Thermonuclear Devices
RT Longitudinal Pinch

LINERS [01]
DA January 30, 1975
RT Containers
RT Lining Processes
RT LINUS Reactors
RT Tanks

LINGEN REACTOR [01]
DA December 1, 1974
UF *Kernkraftwerk Lingen*
UF *KWL Reactor*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

LINING PROCESSES [01]
DA December 1, 1974
RT Liners
RT Surface Coating

Linking (Borehole)
DA November 29, 1976
USE Borehole Linking

LINOLEIC ACID [01]
DA December 1, 1974
BT1 Monocarboxylic Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds

LINOLENIC ACID [01]
DA December 1, 1974
BT1 Monocarboxylic Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds

Linotrons
(Prior to June 1991 this was a valid descriptor.)
DA January 21, 1975
USE Cyclic Accelerators
DEF Combination of linear and circular accelerators in which particles pass through linac alternatively in one and then the other direction, turning around in special reflectors with constant magnetic fields.

LINSEED OIL [01]
DA December 1, 1974
UF *Flaxseed Oil*
BT1 Oils
BT2 Other Organic Compounds
BT3 Organic Compounds
BT1 Triglycerides
BT2 Esters
BT3 Organic Compounds
BT2 Lipids
BT3 Organic Compounds
RT Flax Plants

Linseed Plants
DA December 1, 1974
USE Flax Plants

LINUS REACTORS [01]
DA January 23, 1978
BT1 Thermonuclear Reactors
RT Implosions
RT Liners
RT Magnetic Compression

Liouville Equation
DA December 1, 1974
USE Boltzmann-Vlasov Equation

LIOUVILLE THEOREM [01]
DA December 1, 1974
RT Phase Space
RT Statistical Mechanics

Lipase
(Code number 3.1.1.3. From January 1981 to January 1990, this was a valid descriptor and material from this period was so indexed.)
DA January 12, 1981
USE Lipases

LIPASES [01]
(From January 1981 to January 1990, this was not a valid descriptor and material from these years was indexed to LIPASE.)
DA December 1, 1974
UF *Lipase*
BT1 Carboxylesterases
BT2 Esterases

BT3 Hydrolases
BT4 Enzymes
BT5 Proteins
BT6 Organic Compounds

LIPIDS [01]
DA December 1, 1974
BT1 Organic Compounds
NT1 Glycolipids
NT2 Cerebrosides
NT2 Gangliosides
NT1 Lanolin
NT1 Lipopolysaccharides
NT1 Lipoproteins
NT2 Apolipoproteins
NT1 Phospholipids
NT2 Cardiolipin
NT2 Cephalins
NT2 Lecithins
NT2 Sphingomyelins
NT1 Triglycerides
NT2 Butter Fat
NT2 Corn Oil
NT2 Croton Oil
NT2 Linseed Oil
NT2 Olive Oil
NT2 Peanut Oil
NT2 Soybean Oil
NT2 Triolein
RT Cholesterol
RT Choline
RT Chylomicrons
RT Esters
RT Fats
RT Liposomes
RT Lipotropic Factors
RT Myelin
RT Valinomycin

LIPIODOL [01]
DA December 1, 1974
BT1 Contrast Media
BT1 Oils
BT2 Other Organic Compounds
BT3 Organic Compounds
BT1 Organic Iodine Compounds
BT2 Organic Halogen Compounds
BT3 Organic Compounds

Lipoic Acid (Alpha)
DA December 1, 1974
USE Thioctic Acid

LIPOPOLYSACCHARIDES [01]
DA December 1, 1974
BT1 Lipids
BT2 Organic Compounds
BT1 Polysaccharides
BT2 Saccharides
BT3 Carbohydrates
BT4 Organic Compounds

LIPOPROTEINS [01]
DA December 1, 1974
UF *Proteolipids*
BT1 Lipids
BT2 Organic Compounds
BT1 Proteins
BT2 Organic Compounds
NT1 Apolipoproteins
RT Membrane Proteins
RT Myelin

LIPOSOMES [01]
DA July 18, 1979
UF *Multilamellar Lipid Vesicles*
RT Carriers
RT Cell Constituents
RT Chemotherapy
RT Cytoplasm
RT Lipids
DEF Lipoidal inclusions in the cytoplams or substances prepared in vitro of alternating lipid and water layers and proposed as target-specific pharmaceutical delivery systems in organisms.

LIPOTROPIC FACTORS [01]
DA December 1, 1974
BT1 Drugs
NT1 Betaine
NT1 Choline
NT1 Methionine
RT Lipids

LIPPMANN-SCHWINGER EQUATION [01]
DA December 1, 1974
BT1 Integral Equations
BT2 Equations
RT Blankenbecler-Sugar Equations
RT Faddeev Equations
RT Quantum Mechanics
RT Quasipotential Equation
RT Schwinger Variational Method

Lips
DA December 1, 1974
USE Oral Cavity

Liptinite
DA July 24, 1987
USE Exinite

LIQUEFACTION [01]
DA February 13, 1975
BT1 Thermochemical Processes
NT1 Coal Liquefaction
NT2 BCL Process
NT2 Bergius Process
NT2 Catalytic Hydrosolvation Process
NT2 CE Lummus CFFC Process
NT2 CFFC Process
NT2 COED Process
NT2 Coil Process
NT2 Costeam Process
NT2 CSF Process
NT2 Dow Liquefaction Process
NT2 Exxon Liquefaction Process
NT2 Fischer-Tropsch/Mobil Process
NT2 Flash Hydropyrolysis Process
NT2 H-Coal Process
NT2 Liquid Phase Methanol Process
NT2 Occidental Flash Pyrolysis Process
NT2 Pamco Process
NT2 Pott-Broche Process
NT2 Pyrosol Process
NT2 Sasol-II Process
NT2 Sasol Process
NT2 SRC-II Process
NT2 Synthoil Process
NT2 Synthol Process
NT2 TSL Process
NT2 Zinc Halide Process
NT1 In-Situ Liquefaction

LIQUEFIED GASES
DA January 21, 1982
NT1 Liquefied Natural Gas
NT1 Liquefied Petroleum Gases
RT Cryogenic Fluids

LIQUEFIED NATURAL GAS [01]
DA January 21, 1975
UF *LNG*
BT1 Liquefied Gases
BT1 Natural Gas
BT2 Fossil Fuels
BT3 Energy Sources
BT3 Fuels
BT2 Fuel Gas
BT3 Gas Fuels
BT4 Fuels
BT3 Gases
BT4 Fluids
RT Liquid Fuels
RT LNG Industry
RT LNG Plants
RT Natural Gas Liquids
RT North Star Project
RT Terminal Facilities

LIQUEFIED PETROLEUM GASES [01]
DA April 8, 1975
UF *LP-gas*
BT1 Liquefied Gases
BT1 Natural Gas Liquids
BT2 Liquids
BT3 Fluids
BT1 Petroleum Products
RT Heating Oils
RT Lease Condensates
RT LPG Industry
RT Plant Condensates

Liquefiers
DA February 13, 1975
USE Condensers

Liquid Asphalt
DA January 23, 1976
USE Petroleum Residues

LIQUID COLUMN CHROMATOGRAPHY [01]
DA June 3, 1977
BT1 Chromatography
BT2 Separation Processes

LIQUID CONTAMINATION MONITORS [01]
DA December 1, 1974
BT1 Radiation Monitors
BT2 Monitors
BT3 Measuring Instruments
RT Contamination

LIQUID CRYSTALS [01]
DA December 1, 1974
BT1 Crystals
BT1 Liquids
BT2 Fluids
RT Pockels Cell

Liquid-Dominated Hydrothermal Convective Systems
DA March 11, 1976
SEE Geothermal Hot-Water Systems

LIQUID DROP MODEL [01]
DA December 1, 1974
BT1 Nuclear Models
BT2 Mathematical Models
RT Neutron Emission
RT Weizsaecker Formula

Liquid Effluents
DA December 1, 1974
USE Liquid Wastes

LIQUID FLOW [01]
DA December 1, 1974
BT1 Fluid Flow
RT Hydrodynamics
RT Liquids
RT Multiphase Flow
RT Thermal Conductivity
RT Two-Phase Flow

LIQUID FUELS [01]
DA December 1, 1974
BT1 Fuels
NT1 Diesel Fuels
NT1 Fuel Oils
NT2 Heating Oils
NT2 Residual Fuels
NT1 Fuel Solutions
NT1 Gasohol
NT1 Gasoline
NT2 Unleaded Gasoline
NT1 Kerosene
NT1 Liquid Metal Fuels
NT1 Molten Salt Fuels
RT Automotive Fuels
RT Coal Liquids
RT Liquefied Natural Gas

LIQUID HOLDING RECOVERY
DA February 5, 1975
BT1 Biological Recovery

LIQUID HOMOGENEOUS REACTORS [01]
DA December 1, 1974
BT1 Fluid Fueled Reactors
BT2 Reactors
BT1 Homogeneous Reactors
BT2 Reactors
* **NT1** Aqueous Homogeneous Reactors
RT Fuel Solutions

LIQUID ION EXCHANGERS [01]
DA December 1, 1974

BT1 Ion Exchange Materials
BT2 Materials

LIQUID IONIZATION CHAMBERS [01]
DA December 1, 1974
BT1 Ionization Chambers
BT2 Radiation Detectors
BT3 Measuring Instruments

LIQUID LASERS [01]
DA May 7, 1977
BT1 Lasers
NT1 Dye Lasers

Liquid Magnets
DA March 12, 1985
USE Magnetic Liquids

Liquid Metal Coolant
DA December 1, 1974
USE Liquid Metals

LIQUID METAL COOLED REACTORS [01]
DA December 1, 1974
BT1 Reactors
NT1 DFR Reactor
NT1 Joyo Reactor
NT1 Lithium Cooled Reactors
* **NT1** LMFBR Type Reactors
NT1 Mercury Cooled Reactors
NT2 Clementine Reactor
NT2 SBR-2 Reactor
* **NT1** NaK Cooled Reactors
* **NT1** Potassium Cooled Reactors
* **NT1** Sodium Cooled Reactors
NT1 SZR Type Reactors
NT2 KNK Reactor
NT2 KNK-2 Reactor

LIQUID METAL FUELS [01]
DA December 1, 1974
BT1 Liquid Fuels
BT2 Fuels
BT1 Nuclear Fuels
BT2 Energy Sources
BT2 Fuels
BT2 Reactor Materials
BT3 Materials
RT Fluid Fueled Reactors

LIQUID-METAL MHD GENERATORS [01]
DA May 5, 1975
BT1 MHD Generators
BT2 Direct Energy Converters

Liquid Metal Test Facilities
DA April 8, 1975
USE Test Facilities

Liquid Metal-Water Reactions
DA June 2, 1977
USE Molten Metal-Water Reactions

LIQUID METALS [01]
DA December 1, 1974
UF *Liquid Metal Coolant*
BT1 Liquids
BT2 Fluids
BT1 Metals
BT2 Elements
RT Coolants

LIQUID PENETRANT INSPECTION [01]
DA December 1, 1974
UF *Fluorescent Penetrant Tests*
UF *Penetrant Inspection (Liquid)*
BT1 Nondestructive Testing
BT2 Materials Testing
BT3 Testing

LIQUID PHASE EPITAXY
DA October 20, 1982
BT1 Epitaxy
RT Crystal Growth
DEF Epitaxial growth resulting from precipitation from a supersaturated melt in contact with the substrate.

LIQUID PHASE METHANATION PROCESS
DA May 17, 1976
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes
RT Methanation
DEF Process being developed by Chem Systems, Inc., under auspices of ERDA and AGA. Overall objective is to develop practical and useful process for converting coal-derived synthesis gases to methane as major constituent of SNG, using liquid fluidized beds.

LIQUID PHASE METHANOL PROCESS
DA May 21, 1983
BT1 Coal Liquefaction
BT2 Liquefaction
BT3 Thermochemical Processes
RT Methanol
DEF Indirect coal liquefaction process developed by Chem Systems for DOE.

Liquid-Phase Sintering
DA December 1, 1974
USE Sintering

LIQUID PROPORTIONAL COUNTERS [01]
DA December 1, 1974
BT1 Proportional Counters
BT2 Radiation Detectors
BT3 Measuring Instruments

LIQUID SCINTILLATION DETECTORS [01]
DA December 1, 1974
BT1 Scintillation Counters
BT2 Radiation Detectors
BT3 Measuring Instruments
RT Liquid Scintillators

LIQUID SCINTILLATORS [01]
DA December 1, 1974
BT1 Phosphors
RT Liquid Scintillation Detectors
RT Scintillation Counting
RT Terphenyls

LIQUID WASTES [01]
DA December 1, 1974
UF *Effluents (Liquid)*
UF *Liquid Effluents*
UF *Waste Solutions*
BT1 Wastes
NT1 Spent Liquors
NT1 Waste Water
NT2 Shale Tar Water
RT Acid Mine Drainage
RT Bioadsorbents
RT Biochemical Oxygen Demand
RT Biological Wastes
RT Ceramic Melters
RT Chemical Effluents
RT Chemical Oxygen Demand
RT Ground Disposal
RT Ground Water
RT Industrial Wastes
RT Leachates
RT Organic Wastes
RT Plumes
RT Radioactive Effluents
RT Reinjection
RT Surface Waters
RT Waste Disposal
RT Waste Disposal Acts
RT Waste Processing
RT Water
RT Water Pollution Monitors
RT Wet Oxidation Processes

LIQUIDS [01]
DA December 1, 1974
BT1 Fluids
NT1 Black Liquids
NT1 Coal Liquids
NT1 Liquid Crystals
NT1 Liquid Metals
NT1 Magnetic Liquids
NT1 Natural Gas Liquids
NT2 Gas Condensates
NT2 Lease Condensates
NT2 Liquefied Petroleum Gases
NT2 Plant Condensates
RT Dispersions
RT Droplets
RT Hydrostatic Bearings
RT Liquid Flow
RT Phase Diagrams
RT Pour Point
RT Structure Factors
RT Vapors
RT Void Fraction

LISP
DA August 8, 1985
BT1 Programming Languages
RT Artificial Intelligence

Litek Lamp
DA July 23, 1977
USE Fluorescent Lamps

LITHIUM [01]
DA December 1, 1974
BT1 Alkali Metals
BT2 Metals
BT3 Elements

LITHIUM 3 [01]
DA December 1, 1974
BT1 Light Nuclei
BT2 Nuclei
BT1 Lithium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

LITHIUM 4 [01]
DA December 1, 1974
BT1 Light Nuclei
BT2 Nuclei
BT1 Lithium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

LITHIUM 5 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Lithium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

LITHIUM 6 [01]
DA December 1, 1974
BT1 Light Nuclei
BT2 Nuclei
BT1 Lithium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
RT Lithium 6 Beams
RT Lithium 6 Reactions

LITHIUM 6 BEAMS [01]
DA December 1, 1974
BT1 Ion Beams
BT2 Beams
RT Lithium 6

LITHIUM 6 REACTIONS [01]
DA December 1, 1974
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions

BT3 Nuclear Reactions
RT Lithium 6

LITHIUM 6 TARGET [01]
DA July 9, 1976
BT1 Targets

LITHIUM 7 [01]
DA December 1, 1974
BT1 Light Nuclei
BT2 Nuclei
BT1 Lithium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
RT Lithium 7 Beams
RT Lithium 7 Reactions

LITHIUM 7 BEAMS [01]
DA December 1, 1974
BT1 Ion Beams
BT2 Beams
RT Lithium 7

LITHIUM 7 REACTIONS [01]
DA December 1, 1974
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions
RT Lithium 7

LITHIUM 7 TARGET [01]
DA July 9, 1976
BT1 Targets

LITHIUM 8 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Lithium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

LITHIUM 8 REACTIONS [01]
DA October 23, 1979
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

→**LITHIUM 8 TARGET [01]**
DA November 26, 1991
BT1 Targets

LITHIUM 9 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Lithium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

→**LITHIUM 9 REACTIONS [01]**
DA April 9, 1991
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

LITHIUM 9 TARGET [01]
DA July 12, 1976
BT1 Targets

LITHIUM 10 [01]
DA December 1, 1974
BT1 Light Nuclei
BT2 Nuclei
BT1 Lithium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

LITHIUM 11 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Lithium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

LITHIUM 11 REACTIONS [01]
DA February 13, 1990
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

LITHIUM 12 [01]
DA February 19, 1975
BT1 Light Nuclei
BT2 Nuclei
BT1 Lithium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

LITHIUM 13 [01]
DA January 21, 1975
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Lithium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

LITHIUM ADDITIONS [01]
DA December 1, 1974
BT1 Lithium Alloys
BT2 Alloys

LITHIUM ALLOYS [01]
DA December 1, 1974
BT1 Alloys
NT1 Lithium Additions
NT1 Lithium Base Alloys

LITHIUM ARSENIDES [01]
DA September 5, 1984
BT1 Arsenides
BT2 Arsenic Compounds
BT2 Pnictides
BT1 Lithium Compounds
BT2 Alkali Metal Compounds

LITHIUM BASE ALLOYS [01]
DA December 1, 1974
BT1 Lithium Alloys
BT2 Alloys

LITHIUM BORIDES [01]
DA December 1, 1974
BT1 Borides
BT2 Boron Compounds
BT1 Lithium Compounds
BT2 Alkali Metal Compounds

LITHIUM BROMIDES [01]
DA December 1, 1974
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Lithium Halides
BT2 Halides
BT3 Halogen Compounds
BT2 Lithium Compounds
BT3 Alkali Metal Compounds

LITHIUM CARBIDES [01]
DA December 1, 1974
BT1 Carbides
BT2 Carbon Compounds
BT1 Lithium Compounds
BT2 Alkali Metal Compounds

LITHIUM CARBONATES [01]
DA December 1, 1974
BT1 Carbonates
BT2 Carbon Compounds
BT2 Oxygen Compounds
BT1 Lithium Compounds
BT2 Alkali Metal Compounds

LITHIUM CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Lithium Halides
BT2 Halides
BT3 Halogen Compounds
BT2 Lithium Compounds
BT3 Alkali Metal Compounds

LITHIUM-CHLORINE BATTERIES [01]
DA June 12, 1975
BT1 Metal-Gas Batteries
BT2 Electric Batteries
BT3 Electrochemical Cells

LITHIUM COMPLEXES [01]
DA December 1, 1974
BT1 Complexes

LITHIUM COMPOUNDS [01]
DA December 1, 1974
BT1 Alkali Metal Compounds
NT1 Lithium Arsenides
NT1 Lithium Borides
NT1 Lithium Carbides
NT1 Lithium Carbonates
NT1 Lithium Halides
NT2 Lithium Bromides
NT2 Lithium Chlorides
NT2 Lithium Fluorides
NT2 Lithium Iodides
NT1 Lithium Hydrides
NT2 Lithium Deuterides
NT2 Lithium Tritides
NT1 Lithium Hydroxides
NT1 Lithium Nitrates
NT1 Lithium Nitrides
NT1 Lithium Oxides
NT1 Lithium Perchlorates
NT1 Lithium Phosphates
NT1 Lithium Phosphides
NT1 Lithium Selenides
NT1 Lithium Silicates
NT1 Lithium Silicides
NT1 Lithium Sulfates
NT1 Lithium Sulfides
NT1 Lithium Tellurides
NT1 Lithium Tungstates
NT1 Lithium Uranates

Lithium Cooled Reactor Experiment
DA January 28, 1975
USE Experimental Reactors
AND Lithium Cooled Reactors

LITHIUM COOLED REACTORS [01]
DA January 21, 1975
UF+ *LCRE Reactor*
UF+ *Lithium Cooled Reactor Experiment*
BT1 Liquid Metal Cooled Reactors
BT2 Reactors

LITHIUM-COPPER CHLORIDE BATTERIES
DA March 22, 1976
BT1 Metal-Nonmetal Batteries
BT2 Electric Batteries
BT3 Electrochemical Cells

LITHIUM DEUTERIDES [01]
DA December 1, 1974
BT1 Deuterides
BT2 Deuterium Compounds
BT3 Hydrogen Compounds
BT1 Lithium Hydrides
BT2 Hydrides
BT3 Hydrogen Compounds
BT2 Lithium Compounds
BT3 Alkali Metal Compounds

LITHIUM FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Lithium Halides
BT2 Halides
BT3 Halogen Compounds
BT2 Lithium Compounds
BT3 Alkali Metal Compounds
RT Dielectric Track Detectors
RT Flibe
RT Thermoluminescent Dosemeters

LITHIUM HALIDES [01]
DA April 8, 1975
BT1 Halides
BT2 Halogen Compounds
BT1 Lithium Compounds
BT2 Alkali Metal Compounds
NT1 Lithium Bromides
NT1 Lithium Chlorides
NT1 Lithium Fluorides
NT1 Lithium Iodides

LITHIUM HYDRIDES [01]
DA December 1, 1974
BT1 Hydrides
BT2 Hydrogen Compounds
BT1 Lithium Compounds
BT2 Alkali Metal Compounds
NT1 Lithium Deuterides
NT1 Lithium Tritides

LITHIUM HYDROXIDES [01]
DA December 1, 1974
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds
BT1 Lithium Compounds
BT2 Alkali Metal Compounds

LITHIUM IODIDES [01]
DA December 1, 1974
BT1 Inorganic Phosphors
BT2 Phosphors
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds
BT1 Lithium Halides
BT2 Halides
BT3 Halogen Compounds
BT2 Lithium Compounds
BT3 Alkali Metal Compounds

LITHIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

LITHIUM ISOTOPES [01]
DA December 1, 1974
BT1 Alkali Metal Isotopes
BT2 Isotopes
NT1 Lithium 3
NT1 Lithium 4
NT1 Lithium 5
NT1 Lithium 6
NT1 Lithium 7
NT1 Lithium 8
NT1 Lithium 9
NT1 Lithium 10
NT1 Lithium 11
NT1 Lithium 12
NT1 Lithium 13

LITHIUM NITRATES [01]
DA December 1, 1974
BT1 Lithium Compounds
BT2 Alkali Metal Compounds
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds

LITHIUM NITRIDES [01]
DA December 1, 1974
BT1 Lithium Compounds
BT2 Alkali Metal Compounds
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides

LITHIUM OXIDES [01]
DA December 1, 1974
BT1 Lithium Compounds
BT2 Alkali Metal Compounds
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds

LITHIUM PERCHLORATES [01]
DA October 28, 1975
BT1 Lithium Compounds
BT2 Alkali Metal Compounds
BT1 Perchlorates
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Oxygen Compounds

LITHIUM PHOSPHATES [01]
DA December 1, 1974
BT1 Lithium Compounds
BT2 Alkali Metal Compounds
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds

LITHIUM PHOSPHIDES [01]
DA December 26, 1984
BT1 Lithium Compounds
BT2 Alkali Metal Compounds
BT1 Phosphides
BT2 Phosphorus Compounds
BT2 Pnictides

LITHIUM SELENIDES [01]
DA December 1, 1974
BT1 Lithium Compounds
BT2 Alkali Metal Compounds
BT1 Selenides
BT2 Chalcogenides
BT2 Selenium Compounds

LITHIUM SILICATES [01]
DA December 1, 1974
BT1 Lithium Compounds
BT2 Alkali Metal Compounds
BT1 Silicates
BT2 Oxygen Compounds
BT2 Silicon Compounds
RT Petalite

LITHIUM SILICIDES [01]
DA February 23, 1979
BT1 Lithium Compounds
BT2 Alkali Metal Compounds
BT1 Silicides
BT2 Silicon Compounds

LITHIUM SULFATES [01]
DA December 1, 1974
BT1 Lithium Compounds
BT2 Alkali Metal Compounds
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds

LITHIUM SULFIDES [01]
DA December 1, 1974
BT1 Lithium Compounds
BT2 Alkali Metal Compounds
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds

LITHIUM-SULFUR BATTERIES [01]
DA February 20, 1975
BT1 Metal-Nonmetal Batteries
BT2 Electric Batteries
BT3 Electrochemical Cells

LITHIUM TELLURIDES [01]
DA November 29, 1976
BT1 Lithium Compounds
BT2 Alkali Metal Compounds
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds

LITHIUM TRITIDES [01]
DA May 5, 1975
BT1 Lithium Hydrides
BT2 Hydrides
BT3 Hydrogen Compounds
BT2 Lithium Compounds
BT3 Alkali Metal Compounds
BT1 Tritides
BT2 Tritium Compounds
BT3 Hydrogen Compounds

LITHIUM TUNGSTATES [01]
DA June 2, 1977
BT1 Lithium Compounds
BT2 Alkali Metal Compounds
BT1 Tungstates

LITHIUM URANATES [01]
DA August 19, 1975
BT1 Lithium Compounds
BT2 Alkali Metal Compounds
BT1 Uranates
BT2 Uranium Compounds
BT3 Actinide Compounds

LITHIUM-WATER-AIR BATTERIES
DA January 7, 1976
BT1 Metal-Gas Batteries
BT2 Electric Batteries
BT3 Electrochemical Cells

LITHOLOGY [01]
DA April 7, 1975
BT1 Petrology
BT2 Geology
RT Rocks
DEF Description of the physical character of a rock as determined by eye or with a low-power magnifier and based on color, structure, mineralogic components, and grain size.

LITHOTYPES
DA May 3, 1978
RT Coal
RT Macerals
RT Petrology

→**LITHUANIA [01]**
(Prior to January 1993, this was indexed by USSR.)
DA January 28, 1993
BT1 Eastern Europe
BT2 Europe

Litigation
DA September 13, 1978
USE Lawsuits

LITR REACTOR [01]
DA December 1, 1974

UF *Low Intensity Test Reactor*
UF *US AEC Low Intensity Test Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors

LITTER SIZE [01]
DA December 1, 1974
RT Progeny

LITTLE BOY
DA November 29, 1984
BT1 Nuclear Weapons
BT2 Weapons
RT A-Bomb Survivors
RT Atmospheric Explosions
RT Hiroshima
RT Nuclear Explosions
DEF The name of the nuclear weapon exploded over Hiroshima, Japan.

LITTLE ICE AGE [01]
DA February 13, 1987
RT Climates
RT Paleoclimatology
DEF Cold Period lasting from A.D. 1550-1600 to ca. 1850 in the northern hemisphere.

LITTLE TENNESSEE RIVER [01]
DA May 18, 1981
BT1 Rivers
BT2 Streams
BT3 Surface Waters
RT Hydroelectric Power Plants
RT Tennessee
RT Tennessee Valley Authority
RT Tennessee Valley Region

LIVER [01]
DA December 1, 1974
BT1 Digestive System
BT1 Glands
BT2 Organs
BT3 Body
RT Abdomen
RT Biliary Tract
RT Glycogen
RT Hepatectomy
RT Hepatitis
RT Hepatomas
RT Jaundice
RT Liver Cells
RT Liver Cirrhosis
RT Metabolic Diseases
RT Metabolism
RT Peritoneum
RT Portal System
RT Reticuloendothelial System

LIVER CELLS [01]
DA June 7, 1982
UF *Hepatocytes*
BT1 Somatic Cells
BT2 Animal Cells
RT Liver

LIVER CIRRHOSIS [01]
DA December 1, 1974
BT1 Digestive System Diseases
BT2 Diseases
RT Liver

Livermore Pool Type Reactor
DA December 1, 1974
USE LPTR Reactor

Livestock
DA December 1, 1974
USE Domestic Animals

Living Standards
DA October 23, 1978
USE Standard of Living

Lixiviation
DA December 1, 1974
USE Leaching

LIZARDS [01]
DA December 1, 1974
BT1 Reptiles
BT2 Vertebrates
BT3 Animals

LJUNGSTROM PROCESS
DA June 30, 1975
RT In-Situ Retorting
RT Oil Shales
DEF Electrothermal production of shale oil in-situ.

LLAMAS [01]
DA June 30, 1975
BT1 Ruminants
BT2 Mammals
BT3 Vertebrates
BT4 Animals

LLNL ADVANCED TEST ACCELERATOR [01]
(Linear induction accelerator at Lawrence Livermore Laboratory, Livermore, California, USA.)
DA December 15, 1987
SF *Advanced Test Accelerator*
BT1 Linear Accelerators
BT2 Accelerators
RT Electron Beams
RT Induction
DEF A linear induction accelerator at Lawrence Livermore National Lab. capable of producing 10 kA, 50 MeV, 70ns electron pulses.

LLOYDMINSTER DEPOSIT
DA April 30, 1975
BT1 Oil Sand Deposits
BT2 Geologic Deposits

LM DEVICES [01]
(Linear multipoles.)
DA December 1, 1974
BT1 Internal Ring Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices
RT Multipolar Configurations

LMFBR TYPE REACTORS [01]
DA December 1, 1974
BT1 FBR Type Reactors
BT2 Breeder Reactors
BT3 Reactors
BT2 Fast Reactors
BT3 Epithermal Reactors
BT4 Reactors
BT1 Liquid Metal Cooled Reactors
BT2 Reactors
NT1 Beloyarsk-3 Reactor
NT1 Beloyarsk-4 Reactor
NT1 BN-1600 Reactor
NT1 BN-350 Reactor
NT1 BN-800 Reactor
NT1 BOR-60 Reactor
NT1 Clinch River Breeder Reactor
NT1 EBR-1 Reactor
NT1 EBR-2 Reactor
NT1 Enrico Fermi-1 Reactor
NT1 Kalpakkam LMFBR Reactor
NT1 Phenix Reactor
NT1 PLBR Reactor
NT1 SBR-1 Reactor
NT1 SBR-2 Reactor
NT1 SBR-5 Reactor
NT1 SNR Reactor
NT1 SNR-2 Reactor
NT1 Super Phenix Reactor
RT MEDEC Process

LNG
DA January 28, 1975
USE Liquefied Natural Gas

LNG INDUSTRY [01]
DA June 14, 1978
BT1 Natural Gas Industry
BT2 Industry
RT Liquefied Natural Gas
RT LNG Plants

LNG PLANTS [01]
DA January 23, 1976
BT1 Industrial Plants
RT Liquefied Natural Gas
RT LNG Industry
RT Natural Gas

LNG Spills
DA June 6, 1980
USE Gas Spills

→**LNLS STORAGE RING [01]**
(Brazilian Synchrotron Radiation Source.)
DA February 25, 1991
UF *Brazilian LNLS Synchrotron*
BT1 Storage Rings
BT1 Synchrotron Radiation Sources
BT2 Radiation Sources

LO AGUIRRE RECH-2 REACTOR [01]
(Lo Aguirre, Santiago, Chile.)
DA March 20, 1989
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors

Load (Dynamic)
DA August 5, 1976
USE Dynamic Loads

LOAD ANALYSIS
DA April 17, 1981
UF *Load Characteristics*
RT Electric Utilities
RT Gas Utilities
RT Load Management
RT Peak Load
DEF Measurement and study of the load characteristics of the more important services rendered by the utility.

Load Characteristics
DA April 17, 1981
USE Load Analysis

LOAD COLLECTOR RATIO
DA May 18, 1981
UF *LCR*
RT Buildings
RT Heating Load
RT Passive Solar Heating Systems
DEF Ratio of building load coefficient (Btu/dd) to the solar collector area (sq. ft.).

LOAD MANAGEMENT [01]
DA March 22, 1976
BT1 Management
RT Capacity
RT Dispersed Storage and Generation
RT Electric Power
RT Load Analysis
RT Marginal-Cost Pricing
RT Off-Peak Energy Storage
RT Peak Load
RT Peak-Load Pricing
RT Peaking Power Plants
RT Time-of-Use Pricing

LOADERS
DA April 9, 1985
BT1 Haulage Equipment
BT2 Materials Handling Equipment
BT3 Equipment
NT1 Cutter Loaders
NT2 Coal Plows
NT2 Continuous Miners

NT2 Heading Machines
NT2 Shearer Loaders
RT Materials Handling
RT Mine Haulage

LOADING
DA August 8, 1978
BT1 Materials Handling
RT Unloading

Loading (Reactor)
DA December 1, 1974
USE Reactor Fueling

Loading Machines (Reactor)
DA December 1, 1974
USE Reactor Charging Machines

LOADING RATE
DA July 5, 1978
RT Chemical Reactors

Loads (Static)
DA August 5, 1976
USE Static Loads

LOAM [01]
DA December 1, 1974
BT1 Soils
RT Clays

LOAN GUARANTEES
DA January 27, 1981
BT1 Financial Assistance
BT2 Financial Incentives
BT2 Financing
RT Capital
RT Economics

Loans
DA April 14, 1980
USE Financial Assistance

Lobachevsky-Bolyai Geometry
DA December 1, 1974
USE Lobachevsky Geometry

LOBACHEVSKY GEOMETRY [01]
DA December 1, 1974
UF *Lobachevsky-Bolyai Geometry*
UF *Lobachevsky Space*
BT1 Geometry
BT2 Mathematics
RT Mathematical Space

Lobachevsky Space
DA December 1, 1974
USE Lobachevsky Geometry

Lobbies
DA December 8, 1980
USE Interest Groups

LOBSTERS [01]
DA January 7, 1976
BT1 Decapods
BT2 Crustaceans
BT3 Aquatic Organisms
BT3 Arthropods
BT4 Invertebrates
BT5 Animals
RT Prawns
RT Seafood

LOCA
DA March 7, 1983
USE Loss of Coolant

Local Boiling
DA December 1, 1974
USE Subcooled Boiling

LOCAL FALLOUT [01]
DA December 1, 1974
UF *Close-In Fallout*
BT1 Fallout
RT Civil Defense
RT External Irradiation
RT Fallout Shelters
RT Nuclear Weapons
RT Shelters

Local Galaxy
DA December 1, 1974
USE Milky Way

LOCAL GOVERNMENT [01]
DA August 9, 1977
RT Building Codes
RT Government Policies
RT Legislation
RT National Government
RT Regulations
RT Social Services
RT State Government
RT US Federal Assistance Programs

Local Group
DA December 1, 1974
USE Galaxies

LOCAL IRRADIATION [01]
DA December 1, 1974
BT1 Irradiation
RT Abscopal Radiation Effects
RT External Irradiation
RT Local Radiation Effects
RT Partial Body Irradiation
RT Spatial Dose Distributions

LOCAL RADIATION EFFECTS [01]
DA December 1, 1974
BT1 Biological Radiation Effects
BT2 Biological Effects
BT2 Radiation Effects
NT1 Osteoradionecrosis
NT1 Radiation Burns
NT1 Radiodermatitis
RT Local Irradiation

Local Thermodynamic Equilibrium
DA December 1, 1974
USE LTE

LOCALITY [01]
DA December 1, 1974
RT Nonlocal Potential
RT Phi4-Field Theory
RT Quantum Field Theory

Localization (Biological)
DA June 16, 1975
USE Biological Localization

LOCK-IN AMPLIFIERS
DA March 6, 1984
BT1 Amplifiers
BT2 Electronic Equipment
BT3 Equipment
RT Electronic Circuits
RT Gain
DEF Amplifier that uses some automatic synchronization with an external reference signal to measure very weak signals in the presence of very strong noise.

Locks (Security)
DA December 1, 1974
USE Physical Protection Devices

LOCOMOTIVES [01]
DA January 15, 1986
BT1 Trains
BT2 Vehicles
RT Railroad Cars
RT Railways

LOCUST TREES [01]
DA April 29, 1986
UF *Robinia Pseudoacacia*
BT1 Leguminosae
BT2 Magnoliopsida
BT3 Magnoliophyta
BT4 Plants
BT1 Trees
BT2 Plants
RT Honeylocust Trees
RT Mycorrhizas

LOCUSTS [01]
DA December 1, 1974
BT1 Grasshoppers
BT2 Orthoptera
BT3 Insects
BT4 Arthropods
BT5 Invertebrates
BT6 Animals

LODOCHNIKITE [01]
DA December 1, 1974
BT1 Oxide Minerals
BT2 Minerals
BT1 Thorium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
BT1 Thorium Oxides
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT2 Thorium Compounds
BT3 Actinide Compounds
BT1 Titanium Oxides
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT2 Titanium Compounds
BT3 Transition Element Compounds
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
BT1 Uranium Oxides
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT2 Uranium Compounds
BT3 Actinide Compounds

LOFRECO PROCESS
DA June 6, 1980
RT Oil Shales
DEF Horizontal in-situ retorting process with low front end cost developed by Geokinetics Inc. for areas where shale bed is relatively thin and close to the surface.

LOFT REACTOR [01]
(E.G. and G., Idaho, Inc., Idaho Falls, Idaho, USA.)
DA December 1, 1974
UF *Loss of Fluid Test Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors

LOGARITHMIC RATEMETERS [01]
DA December 1, 1974
BT1 Counting Ratemeters
BT2 Electronic Equipment
BT3 Equipment

Logging While Drilling
DA December 11, 1978
USE MWD Systems

Logic (Mathematics)
DA November 11, 1975
USE Mathematical Logic

LOGIC CIRCUITS [01]
DA December 1, 1974
BT1 Electronic Circuits
RT Gating Circuits

LOLLIPOP EVENT [01]
DA December 1, 1974
BT1 Vela Project

LONDON EQUATION [01]
DA December 1, 1974
BT1 Equations
RT Superconductivity

London Safety of Life at Sea Convention
DA December 1, 1974
USE SOLAS Convention

LONG COUNTERS [01]
DA December 1, 1974
BT1 Moderating Detectors
BT2 Neutron Detectors
BT3 Radiation Detectors
BT4 Measuring Instruments

LONG ISLAND SOUND [01]
DA March 17, 1981
BT1 Atlantic Ocean
BT2 Seas
BT3 Surface Waters
BT1 Estuaries
BT2 Surface Waters
RT Mid-Atlantic Bight

Long-Lens Spectrometers
DA December 1, 1974
USE Magnetic Lens Spectrometers

Long-Range Interactions
DA December 1, 1974
USE Interaction Range

LONG-RANGE TRANSPORT [01]
DA August 25, 1983
BT1 Environmental Transport
BT2 Mass Transfer
RT Air Pollution
RT Pollutants
RT Pollution
RT Transfrontier Pollution
RT Water Pollution

LONG SHOT EVENT [01]
DA December 1, 1974
BT1 Vela Project

Long Term Intake
DA December 1, 1974
USE Chronic Intake

Long Term Irradiation
DA December 1, 1974
USE Chronic Irradiation

LONG VALLEY [01]
DA April 19, 1976
BT1 California
BT2 USA
BT3 Developed Countries
BT3 North America

LONG WAVE RADIATION [01]
DA December 1, 1974
UF *Low Frequency Radiation*
BT1 Radiowave Radiation
BT2 Electromagnetic Radiation
BT3 Radiations

LONGITUDINAL MOMENTUM [01]
DA December 1, 1974
UF *Momentum (Longitudinal)*
BT1 Linear Momentum
RT Center-of-Mass System
RT Nuclear Reactions
RT Particle Interactions
RT Particle Rapidity
RT Transverse Momentum

LONGITUDINAL PINCH [01]
DA December 1, 1974
UF *Zet Pinch*
BT1 Pinch Effect
NT1 Belt Pinch
RT Linear Z Pinch Devices
RT TLP Devices

Longitudinal Pinch Devices (Linear)
DA December 1, 1974
USE Linear Z Pinch Devices

Longitudinal Pinch Devices (Toroidal)
DA December 1, 1974
USE TLP Devices

LONGWALL MINING [01]
DA March 8, 1977
BT1 Underground Mining
BT2 Mining
RT Coal Mining
RT Hydraulic Mining

Loops (Coolant)
DA December 1, 1974
USE Coolant Loops

Loops (In Pile)
DA December 1, 1974
USE In Pile Loops

LOOSE PARTS MONITORING [01]
DA December 16, 1976
BT1 Monitoring
RT Reactor Instrumentation
RT Reactor Monitoring Systems
DEF Detecting foreign, misplaced, or loose objects in reactor cores and cooling systems.

LOPRA REACTOR [01]
DA January 30, 1975
UF *Low Power Reactor Assembly*
UF *University of Illinois LOPRA Reactor*
BT1 TRIGA Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Hydride Moderated Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Solid Homogeneous Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

LORENTZ FORCE [01]
DA December 1, 1974
RT Charged Particles
RT Interactions
RT Magnetic Fields
RT Ponderomotive Force

LORENTZ GAS [01]
DA December 1, 1974
UF *Lorentz Plasma*
BT1 Fully Ionized Gases
BT2 Ionized Gases
BT3 Gases
BT4 Fluids

LORENTZ GROUPS [01]
DA December 1, 1974
BT1 Poincare Groups
BT2 Lie Groups
BT3 Symmetry Groups

LORENTZ INVARIANCE [01]
DA December 1, 1974
BT1 Invariance Principles
RT Lorentz Transformations
RT Relativity Theory

Lorentz Plasma
DA December 1, 1974
USE Lorentz Gas

LORENTZ POLES [01]
DA December 1, 1974
UF *Toller Poles*
RT Regge Poles

LORENTZ TRANSFORMATIONS [01]
DA December 1, 1974
BT1 Transformations
RT Center-of-Mass System
RT Laboratory System
RT Limiting Fragmentation
RT Lorentz Invariance
RT Minkowski Space
RT Poincare Groups
RT Relativity Theory
RT Space-Time

LOS ALAMOS [01]
DA March 5, 1979
BT1 New Mexico
BT2 USA
BT3 Developed Countries
BT3 North America
BT1 Urban Areas

Los Alamos Meson Physics Facility
DA December 1, 1974
USE LAMPF Linac

Los Alamos Molten Plutonium Reactor Experiment
DA December 1, 1974
USE LAMPRE-1 Reactor

Los Alamos National Laboratory
DA June 30, 1989
USE LANL

Los Alamos Omega West Reactor
DA December 1, 1974
USE OWR Reactor

Los Alamos Scientific Laboratory
DA December 1, 1974
USE LASL

Los Alamos Water Boiler Reactor
DA April 29, 1975
USE SUPO Reactor

LOS ANGELES [01]
DA June 30, 1975
BT1 California
BT2 USA
BT3 Developed Countries
BT3 North America
BT1 Urban Areas

LOSS CONE [01]
DA December 1, 1974
RT Earth Magnetosphere
RT Loss Cone Instability
RT Plasma
RT Plasmapause
RT Solar Wind

LOSS CONE INSTABILITY [01]
DA December 1, 1974
BT1 Plasma Microinstabilities
BT2 Plasma Instability
BT3 Instability
RT Loss Cone

LOSS OF COOLANT [01]
DA December 1, 1974
UF *LOCA*
BT1 Reactor Accidents
BT2 Accidents
RT Blowdown
RT Coolants
RT Core Flooding Systems
RT Core Spray Systems
RT Loss of Flow
RT Reactor Cooling Systems

LOSS OF FLOW [01]
DA December 1, 1974
BT1 Reactor Accidents
BT2 Accidents
RT Flow Blockage
RT Loss of Coolant

Loss of Fluid Test Reactor
DA December 1, 1974
USE Loft Reactor

LOSSES [01]
DA December 1, 1974
NT1 Chromosome Losses
NT1 Energy Losses
NT2 AC Losses

NT2 Heat Losses
NT2 Power Losses
NT3 Line Losses
NT2 Relaxation Losses
RT Accounting
RT Inventories
RT Lost Circulation
RT Material Balance
RT Material Unaccounted For
RT Nuclear Materials Management
RT Safeguards

Losses (Energy)
DA December 1, 1974
USE Energy Losses

Losses (Particles)
DA March 24, 1983
USE Particle Losses

LOST CIRCULATION
DA October 24, 1981
RT Drilling Fluids
RT Losses
RT Well Drilling
DEF Excessive loss of drilling fluids to exposed formations.

LOTUS FACILITY [01]
DA January 16, 1986
RT Breeding Blankets
RT Hybrid Reactors

LOUISIANA [01]
DA December 1, 1974
BT1 USA
BT2 Developed Countries
BT2 North America
RT Mississippi River
RT Ozark Region
RT US Gulf Coast

LOVE WAVES
DA July 5, 1978
BT1 Seismic Surface Waves
BT2 Seismic Waves

Lovelace Biomedical and Environmental Research Institute
DA July 27, 1982
USE Inhalation Toxicology Research Institute

LOVIISA-1 REACTOR [01]
(Loviisa, Finland)
DA August 24, 1976
BT1 WWER Type Reactors
BT2 PWR Type Reactors
BT3 Enriched Uranium Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors
BT3 Thermal Reactors
BT4 Reactors
BT3 Water Cooled Reactors
BT4 Reactors
BT3 Water Moderated Reactors
BT4 Reactors

LOVIISA-2 REACTOR [01]
(Loviisa, Finland)
DA August 24, 1976
BT1 WWER Type Reactors
BT2 PWR Type Reactors
BT3 Enriched Uranium Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors
BT3 Thermal Reactors
BT4 Reactors
BT3 Water Cooled Reactors
BT4 Reactors
BT3 Water Moderated Reactors
BT4 Reactors

LOVIISA REACTOR [01]
(Used for LOVIISA-1 REACTOR prior to 1976.)
DA December 1, 1974
UF *Imatran Voima Power Reactor*
BT1 WWER Type Reactors
BT2 PWR Type Reactors
BT3 Enriched Uranium Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors
BT3 Thermal Reactors
BT4 Reactors
BT3 Water Cooled Reactors
BT4 Reactors
BT3 Water Moderated Reactors
BT4 Reactors

LOVOZERITE [01]
DA December 1, 1974
BT1 Silicate Minerals
BT2 Minerals
BT1 Sodium Silicates
BT2 Silicates
BT3 Oxygen Compounds
BT3 Silicon Compounds
BT2 Sodium Compounds
BT3 Alkali Metal Compounds
BT1 Zirconium Silicates
BT2 Silicates
BT3 Oxygen Compounds
BT3 Silicon Compounds
BT2 Zirconium Compounds
BT3 Transition Element Compounds

LOVOZERO [01]
DA December 1, 1974
BT1 USSR
BT2 Asia
BT2 Developed Countries
BT2 Europe

LOW ALLOY STEELS [01]
DA November 9, 1988
BT1 Steels
BT2 Iron Base Alloys
BT3 Iron Alloys
BT4 Alloys
NT1 Steel-ASTM-A350
NT1 Steel-ASTM-A387
NT1 Steel-ASTM-A508
NT1 Steel-ASTM-A533
NT1 Steel-Cr2Mo
NT2 Steel-10Cd9-10
NT2 Steel-ASTM-A542
NT1 Steel-Cr2MoNiNb
NT1 Steel-Cr2MoV
NT1 Steel-Cr2NiMoV
NT1 Steel-Cr5Mo
NT1 Steel-CrAlNiMo
NT1 Steel-CrMo
NT1 Steel-CrMoV
NT1 Steel-CrNi
NT1 Steel-MnCuMo
NT2 Steel-ASTM-A537
NT1 Steel-MnMo
NT2 Steel-ASTM-A302
NT1 Steel-MnNiMo
NT1 Steel-MnNiMoV
NT1 Steel-Ni3Cr
NT1 Steel-Ni3CrMo
NT2 Steel-ASTM-A543
NT1 Steel-Ni3CrMoV
NT1 Steel-Ni3MoV
NT1 Steel-Ni4
NT1 Steel-Ni4CrW
NT1 Steel-NiCr
NT1 Steel-NiCrMo
NT1 Steel-NiMoCr

Low-Angle Silicon-Sheet Growth Method
DA July 27, 1982
USE LASS Growth Method

LOW-BETA PLASMA [01]
(Beta from 0 to 0.01.)
DA December 1, 1974
BT1 Plasma
RT Beta Ratio

LOW BTU GAS
(150 to 250 Btu/ft^3)
DA January 24, 1975
UF+ *Pyrotek Process*
BT1 Fuel Gas
BT2 Gas Fuels
BT3 Fuels
BT2 Gases
BT3 Fluids
NT1 Producer Gas
RT Conoco Process
RT GEGAS Process
RT Woodall-Duckham Process

LOW CARBON-HIGH ALLOY STEELS [01]
DA December 16, 1988
BT1 Stainless Steels
BT2 High Alloy Steels
BT3 Steels
BT4 Iron Base Alloys
BT5 Iron Alloys
BT6 Alloys
NT1 Steel-Cr11Ni10Mo2Ti-L
NT1 Steel-Cr13Ni6Mo-L
NT1 Steel-Cr17Cu4Ni4Nb-L
NT1 Steel-Cr17Ni4Cu4Nb-L
NT1 Steel-Cr17Ni12Mo3-L
NT2 Stainless Steel-316L
NT1 Steel-Cr18Ni10-L
NT2 Stainless Steel-Z2CN18-10
NT1 Steel-Cr19Ni10-L
NT2 Stainless Steel-304L
NT1 Steel-Cr20Ni11-L
NT2 Stainless Steel-308L
NT1 Steel-Cr26Ni5Mo-L
NT2 Stainless Steel-44LN
NT1 Steel-Ni17Cr14MoTi-L
NT1 Steel-Ni36Cr12Ti3Al-L

LOW DOSE IRRADIATION [01]
DA December 1, 1974
BT1 Irradiation
RT Chronic Irradiation
RT Dose Rates
RT Dose-Response Relationships
RT Radiation Doses

Low Energy Electron Diffraction
DA December 1, 1974
USE Electron Diffraction

LOW-ENERGY THEOREM [01]
DA December 1, 1974
UF *Soft Pion Theorem*
UF *Soft-Pion Theorem*
RT Current Algebra

LOW EQUATION [01]
DA December 1, 1974
BT1 Equations

Low Flux Reactor Petten
DA December 1, 1974
USE LFR Reactor

Low Frequency Radiation
DA December 1, 1974
USE Long Wave Radiation

LOW-HEAD HYDROELECTRIC POWER PLANTS [01]
(Prior to August 1978 HYDROELECTRIC POWER PLANTS was used.)
DA August 8, 1978
BT1 Hydroelectric Power Plants
BT2 Power Plants
RT Small-Scale Hydroelectric Power Plants
DEF Heads of less than 50 ft.

LOW INCOME GROUPS
DA April 5, 1978
UF *Poor People*
BT1 Minority Groups
BT2 Human Populations
BT3 Populations
RT Economics
RT Financial Assistance
RT Handicapped People
RT High Income Groups
RT Income
RT Socio-Economic Factors

Low Intensity Test Reactor
DA December 1, 1974
USE LITR Reactor

LOW LEVEL COUNTERS [01]
DA December 1, 1974
BT1 Radiation Detectors
BT2 Measuring Instruments

LOW LEVEL COUNTING [01]
DA November 1, 1976
BT1 Counting Techniques

LOW-LEVEL RADIOACTIVE WASTES [01]
DA January 23, 1978
BT1 Radioactive Wastes
BT2 Radioactive Materials
BT3 Materials
BT2 Wastes
RT Alpha-Bearing Wastes
RT Compact Commissions
RT High-Level Radioactive Wastes
RT Intermediate-Level Radioactive Wastes
RT Konrad Ore Mine
RT Nuclear Waste Policy Acts
DEF Waste containing less than $5x10^{-5}$ microcuries/milliliter of mixed fission products.

Low Power Reactor Assembly
DA January 30, 1975
USE LOPRA Reactor

Low Power Test Facility-NRTS
DA December 1, 1974
USE LPTF Reactor

LOW PRESSURE [01]
DA December 1, 1974
UF *Pressure (1-760 Torr)*
UF *Pressure (133 Pa-0.1 MPa)*
UF *Rough Vacuum*
UF *Vacuum (1-760 Torr)*
UF *Vacuum (133 Pa-0.1 MPa)*
UF *Vacuum (Rough)*
RT Pressure Dependence

LOW PRESSURE COOLANT INJECTION [01]
DA January 30, 1975
UF *LPCI*
BT1 ECCS
BT2 Reactor Protection Systems
BT3 Engineered Safety Systems
RT Reactor Safety

Low Temperature
(Prior to February 1992, this was a valid descriptor.)
DA December 1, 1974
USE Temperature Range 0065-0273 K

Lowell Technical Institute Reactor
DA December 1, 1974
USE LTIR Reactor

LOWER HYBRID CURRENT DRIVE [01]
DA August 1, 1989
BT1 Non-Inductive Current Drive
RT Lower Hybrid Heating

LOWER HYBRID HEATING [01]
DA March 24, 1983
UF *Lower Hybrid Resonance Heating*
BT1 High-Frequency Heating
BT2 Plasma Heating
BT3 Heating
RT Lower Hybrid Current Drive

Lower Hybrid Resonance Heating
DA March 24, 1983
USE Lower Hybrid Heating

LP-gas
DA August 24, 1977
USE Liquefied Petroleum Gases

LPCI
(Prior to July 1985, this was a valid descriptor and older material is so indexed.)
DA January 30, 1975
USE Low Pressure Coolant Injection

LPG INDUSTRY [01]
DA December 1, 1982
BT1 Petroleum Industry
BT2 Industry
RT Liquefied Petroleum Gases

LPR REACTOR [01]
DA December 1, 1974
UF *Babcock And Wilcox LPR Reactor*
UF *Lynchburg Pool Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Materials Testing Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

LPTF REACTOR [01]
DA December 1, 1974
UF *Low Power Test Facility-NRTS*
UF *NRTS-LPTF Reactor*
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

LPTR REACTOR [01]
(University of California, Lawrence Livermore Lab., Livermore, California, USA.)
DA December 1, 1974
UF *Livermore Pool Type Reactor*
UF *US AEC LPTR Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

LR-0 REACTOR [01]
DA January 7, 1982
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

LSZ THEORY [01]
DA December 1, 1974
UF *Lehmann-Symanzik-Zimmermann Method*
BT1 Axiomatic Field Theory
BT2 Quantum Field Theory
BT3 Field Theories

LT-3 TOKAMAK [01]
DA June 30, 1975
UF *Canberra Tokamak*
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

LT-4 TOKAMAK [01]
DA July 10, 1984
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

LTE [01]
DA December 1, 1974
UF *Local Thermodynamic Equilibrium*
BT1 Equilibrium
RT Thermodynamics

LTH [01]
DA December 1, 1974
UF *Luteotropic Hormone*
UF *Prolactin*
BT1 Gonadotropins
BT2 Pituitary Hormones
BT3 Peptide Hormones
BT4 Hormones
BT4 Proteins
BT5 Organic Compounds
RT Mammary Glands
RT Progesterone

LTIR REACTOR [01]
(Univ. of Lowell, Lowell, Massachusetts, USA)
DA December 1, 1974
UF *Lowell Technical Institute Reactor*
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors

LUBRICANTS [01]
DA December 1, 1974
SF *Mineral Oil(s)*
NT1 Gas Lubricants
NT1 Greases
NT1 Lubricating Oils
NT1 Solid Lubricants
NT1 Synthetic Lubricants
RT Cutting Fluids
RT Gears
RT Lubricating Properties
RT Lubrication
RT Tribology

LUBRICATING OILS [01]
DA December 1, 1974
BT1 Lubricants
BT1 Oils
BT2 Other Organic Compounds
BT3 Organic Compounds
BT1 Petroleum Products
RT Jojoba
RT Lubricating Properties
RT Meadow Foam
RT Tribology
RT Waste Oil Refineries
RT Waste Oils

LUBRICATING PROPERTIES
DA April 24, 1985
BT1 Physical Properties
RT Friction
RT Lubricants
RT Lubricating Oils
RT Lubrication
RT Tribology

LUBRICATION [01]
DA December 1, 1974
RT Bearings
RT Greases
RT Hydrostatic Bearings
RT Lubricants
RT Lubricating Properties
RT Synthetic Lubricants
RT Tribology

LUCAS PROCESS
DA April 12, 1977
BT1 Desulfurization
BT2 Chemical Reactions

RT Waste Processing
DEF Low-sulfur flue gas from Claus plants is incinerated with low surplus of air, passed through a coke filter to remove SO_3, and O_2, and H_2S, and stripped of SO_2 by absorption in aqueous alkali phosphate solution. The sulfur is recovered.

Luccu Oil
DA December 1, 1974
USE Olive Oil

LUCENS REACTOR [01]
DA December 1, 1974
BT1 Carbon Dioxide Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 HWGCR Type Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Pressure Tube Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

LUCIE-1 REACTOR [01]
DA December 1, 1974
UF *Hutchinson Island-1 Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

LUCIE-2 REACTOR [01]
DA December 1, 1974
UF *Hutchinson Island-2 Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

LUCIFERASE [01]
DA December 1, 1974
BT1 Oxidoreductases
BT2 Enzymes
BT3 Proteins
BT4 Organic Compounds

LUCIFERIN [01]
DA December 1, 1974
BT1 Albumins
BT2 Proteins
BT3 Organic Compounds

LUCITE [01]
DA December 1, 1974
BT1 Plastics
BT2 Petrochemicals
BT3 Petroleum Products
BT2 Synthetic Materials
BT3 Materials
BT1 Polyacrylates
BT2 Esters
BT3 Organic Compounds
BT2 Polyvinyls
BT3 Organic Polymers
BT4 Organic Compounds
BT4 Polymers
RT PMMA

LUGOL [01]
DA December 1, 1974
UF *Lugol Solution*
RT Glycerol
RT Iodine
RT Potassium Iodides

Lugol Solution
DA December 1, 1974
USE Lugol

Lumber Industry
DA January 30, 1979
USE Wood Products Industry

Luminal
DA December 1, 1974
USE Phenobarbital

LUMINESCENCE [01]
DA December 1, 1974
NT1 Bioluminescence
NT1 Cathodoluminescence
NT1 Chemiluminescence
NT1 Electroluminescence
NT1 Fluorescence
NT2 Resonance Fluorescence
NT1 Lyoluminescence
NT1 Phosphorescence
NT1 Photoluminescence
NT1 Radioluminescence
NT2 Radiothermoluminescence
NT1 Thermoluminescence
NT2 Radiothermoluminescence
RT Glow Curve
RT Noctilucent Clouds
RT Traps

LUMINESCENT CHAMBERS [01]
DA December 1, 1974
RT Phosphors
RT Scintillation Counters

LUMINESCENT CONCENTRATORS
DA February 11, 1980
UF *Fluorescent Concentrators*
BT1 Solar Concentrators
BT2 Solar Equipment
BT3 Equipment
RT Phosphors
DEF Solar concentrators based on light absorption and reemission by luminescent molecules dispersed in a transparent medium and on light guiding by total internal reflections.

LUMINESCENT DOSEMETERS [01]
DA December 1, 1974
BT1 Dosemeters
BT2 Measuring Instruments
NT1 RPL Dosemeters
NT1 Thermoluminescent Dosemeters
RT Dielectric Track Detectors
RT Glass Scintillators
RT Phosphors

LUMINOL
DA January 21, 1982
UF *5-Amino-2,3-Dihydro-1,4-Pthalazine-Dione*
BT1 Amines
BT2 Organic Compounds
BT1 Phthalazines
BT2 Pyridazines
BT3 Azines
BT4 Heterocyclic Compounds
BT5 Organic Compounds
BT4 Organic Nitrogen Compounds
BT5 Organic Compounds
RT Chemiluminescence
RT Ketones
DEF $C_8H_6N_3O_2$, a crystalline compound giving a bluish luminescence when oxidized.

LUMINOSITY [01]
DA December 1, 1974
BT1 Optical Properties
BT2 Physical Properties
RT Brightness
RT Visibility

Luminous Flux Density
DA October 24, 1981
USE Illuminance

LUMINOUS PAINTS [01]
DA December 1, 1974
BT1 Paints
BT2 Coatings
RT Dial Painters

Lummus Clean Fuel Firm Coal Process
DA October 24, 1981
USE CE Lummus CFFC Process

LUNA SPACE PROBES [01]
DA March 28, 1979
BT1 Space Vehicles
BT2 Vehicles

LUNAR ATMOSPHERE [01]
DA December 1, 1974
BT1 Satellite Atmospheres
BT2 Atmospheres
RT Lunar Materials
RT Moon

LUNAR MATERIALS [01]
DA December 1, 1974
UF *Materials (Lunar)*
BT1 Materials
RT Anorthosites
RT Apollo Project
RT Dusts
RT Lunar Atmosphere
RT Moon
RT Rocks

Lunar Occultation
DA December 1, 1974
USE Eclipse

Lund Synchrotron
DA December 1, 1974
USE LUSY

Lung Cells
DA April 6, 1978
USE Respiratory Tract Cells

LUNG CLEARANCE [01]
DA December 1, 1974
BT1 Excretion
BT2 Clearance
RT Exhalation
RT Lungs
RT Respiratory System

LUNGS [01]
DA December 1, 1974
UF *Alveoli (Pulmonary)*
UF+ *Pulmonary Lavage*
BT1 Organs
BT2 Body
BT1 Respiratory System
RT Blood Circulation
RT Bronchi
RT Chest
RT Diaphragm
RT Emphysema
RT Lavage
RT Lung Clearance
RT Lymphatic System
RT Pleura
RT Pneumoconioses
RT Pneumonia
RT Pneumonitis
RT Respiration

LUPUS [01]
DA December 1, 1974
BT1 Immune System Diseases
BT2 Diseases
RT Skin
RT Skin Diseases

LURGI CFB GASIFICATION PROCESS
DA October 7, 1986
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes

RT Lurgi Process
DEF Circulating fluidized bed gasification process.

LURGI PROCESS
DA January 24, 1975
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes
RT Lurgi CFB Gasification Process
RT Lurgi Slagging Process
RT Sasol-II Process
RT SNG Processes
DEF A process in which noncaking coal is converted into intermediate- or high-Btu gas at 1150 to 1400°F and 350 to 450 psi in a moving bed gasifier. Substitution of air for oxygen will produce low-Btu gas.

LURGI-RUHRGAS PROCESS
DA April 8, 1975
RT Oil Shales
RT Retorting
DEF An indirect-heat process for retorting finely crushed shale. Heat-carrier solids (sand grains, coke particles, or spent shale solids) are mixed with shale in a screw-type conveyor where retorting takes place.

LURGI SLAGGING PROCESS
DA March 29, 1979
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes
RT Lurgi Process

LUSY [01]
DA December 1, 1974
UF *Lund Synchrotron*
BT1 Synchrotrons
BT2 Cyclic Accelerators
BT3 Accelerators

Luteinizing Hormone
DA December 1, 1974
USE LH

Luteotropic Hormone
DA December 1, 1974
USE LTH

LUTETIUM [01]
DA December 1, 1974
BT1 Rare Earths
BT2 Metals
BT3 Elements

LUTETIUM 151 [01]
DA July 27, 1982
BT1 Lutetium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Proton Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

LUTETIUM 152 [01]
DA November 24, 1987
BT1 Lutetium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

LUTETIUM 153 [01]
DA July 3, 1986
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Lutetium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

LUTETIUM 154 [01]
DA November 29, 1984
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Lutetium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Microsec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

LUTETIUM 155 [01]
DA September 12, 1975
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Lutetium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

LUTETIUM 156 [01]
DA September 14, 1976
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Lutetium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

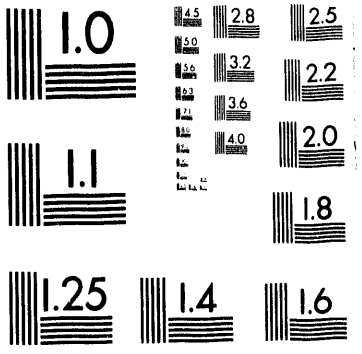
LUTETIUM 157 [01]
DA July 6, 1978
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

LUTETIUM 158 [01]
DA January 24, 1980
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Lutetium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

LUTETIUM 159 [01]
DA January 9, 1981
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Lutetium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

LUTETIUM 160 [01]
DA January 24, 1980
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Lutetium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

LUTETIUM 161 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Lutetium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes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2.5
3.2
2.2
3.6
2.0
4.0
1.1
1.8
1.25
1.4
1.6

BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

LUTETIUM 162 [01]
DA April 19, 1976
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Lutetium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

LUTETIUM 163 [01]
DA January 24, 1980
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Lutetium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

LUTETIUM 164 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Lutetium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

LUTETIUM 165 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Lutetium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

LUTETIUM 166 [01]
DA May 13, 1975
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Lutetium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

LUTETIUM 167 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Lutetium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

LUTETIUM 168 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Lutetium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

LUTETIUM 169 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Lutetium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

LUTETIUM 170 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Lutetium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

LUTETIUM 171 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Lutetium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

LUTETIUM 172 [01]
DA December 1, 1974
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes

BT3 Isotopes
BT1 Lutetium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

LUTETIUM 173 [01]
DA December 1, 1974
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Lutetium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

LUTETIUM 174 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Lutetium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

LUTETIUM 174 TARGET [01]
DA July 12, 1976
BT1 Targets

LUTETIUM 175 [01]
DA December 1, 1974
BT1 Lutetium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

LUTETIUM 175 TARGET [01]
DA July 12, 1976
BT1 Targets

LUTETIUM 176 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Lutetium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

LUTETIUM 176 TARGET [01]
DA July 9, 1976
BT1 Targets

LUTETIUM 177 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Lutetium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

LUTETIUM 178 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Lutetium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

LUTETIUM 179 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Lutetium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

LUTETIUM 180 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Lutetium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

LUTETIUM 181 [01]
DA July 8, 1982
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Lutetium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

LUTETIUM 182 [01]
DA June 7, 1982
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Lutetium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

LUTETIUM 183 [01]
DA March 7, 1983
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Lutetium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

LUTETIUM 184 [01]
DA April 7, 1988
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Lutetium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

LUTETIUM 187 [01]
DA June 7, 1982
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes

BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Lutetium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

LUTETIUM ADDITIONS [01]
DA December 1, 1974
BT1 Lutetium Alloys
BT2 Rare Earth Alloys
BT3 Alloys
BT1 Rare Earth Additions
BT2 Rare Earth Alloys
BT3 Alloys

LUTETIUM ALLOYS [01]
DA December 1, 1974
BT1 Rare Earth Alloys
BT2 Alloys
NT1 Lutetium Additions
NT1 Lutetium Base Alloys

LUTETIUM BASE ALLOYS [01]
DA December 1, 1974
BT1 Lutetium Alloys
BT2 Rare Earth Alloys
BT3 Alloys

LUTETIUM BORIDES [01]
DA December 1, 1974
BT1 Borides
BT2 Boron Compounds
BT1 Lutetium Compounds
BT2 Rare Earth Compounds

LUTETIUM BROMIDES [01]
DA December 1, 1974
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Lutetium Compounds
BT2 Rare Earth Compounds

LUTETIUM CARBIDES [01]
DA December 1, 1974
BT1 Carbides
BT2 Carbon Compounds
BT1 Lutetium Compounds
BT2 Rare Earth Compounds

LUTETIUM CARBONATES [01]
DA May 11, 1989
BT1 Carbonates
BT2 Carbon Compounds
BT2 Oxygen Compounds
BT1 Lutetium Compounds
BT2 Rare Earth Compounds

LUTETIUM CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Lutetium Compounds
BT2 Rare Earth Compounds

LUTETIUM COMPLEXES [01]
DA December 1, 1974
BT1 Rare Earth Complexes
BT2 Complexes

LUTETIUM COMPOUNDS [01]
DA December 1, 1974
BT1 Rare Earth Compounds
NT1 Lutetium Borides
NT1 Lutetium Bromides
NT1 Lutetium Carbides
NT1 Lutetium Carbonates
NT1 Lutetium Chlorides
NT1 Lutetium Fluorides
NT1 Lutetium Hydrides
NT1 Lutetium Hydroxides
NT1 Lutetium Iodides
NT1 Lutetium Nitrates
NT1 Lutetium Oxides
NT1 Lutetium Perchlorates
NT1 Lutetium Phosphates
NT1 Lutetium Selenides
NT1 Lutetium Silicates
NT1 Lutetium Silicides
NT1 Lutetium Sulfates
NT1 Lutetium Sulfides
NT1 Lutetium Tungstates

LUTETIUM FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Lutetium Compounds
BT2 Rare Earth Compounds

LUTETIUM HYDRIDES [01]
DA December 1, 1974
BT1 Hydrides
BT2 Hydrogen Compounds
BT1 Lutetium Compounds
BT2 Rare Earth Compounds

LUTETIUM HYDROXIDES [01]
DA December 1, 1974
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds
BT1 Lutetium Compounds
BT2 Rare Earth Compounds

LUTETIUM IODIDES [01]
DA January 21, 1975
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds
BT1 Lutetium Compounds
BT2 Rare Earth Compounds

LUTETIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

LUTETIUM ISOTOPES [01]
DA December 1, 1974
BT1 Rare Earth Isotopes
BT2 Isotopes
NT1 Lutetium 151
NT1 Lutetium 152
NT1 Lutetium 153
NT1 Lutetium 154
NT1 Lutetium 155
NT1 Lutetium 156
NT1 Lutetium 158
NT1 Lutetium 159
NT1 Lutetium 160
NT1 Lutetium 161
NT1 Lutetium 162
NT1 Lutetium 163
NT1 Lutetium 164
NT1 Lutetium 165
NT1 Lutetium 166
NT1 Lutetium 167
NT1 Lutetium 168
NT1 Lutetium 169
NT1 Lutetium 170
NT1 Lutetium 171
NT1 Lutetium 172
NT1 Lutetium 173
NT1 Lutetium 174
NT1 Lutetium 175
NT1 Lutetium 176
NT1 Lutetium 177
NT1 Lutetium 178
NT1 Lutetium 179
NT1 Lutetium 180
NT1 Lutetium 181
NT1 Lutetium 182
NT1 Lutetium 183
NT1 Lutetium 184
NT1 Lutetium 187

LUTETIUM NITRATES [01]
DA December 1, 1974
BT1 Lutetium Compounds
BT2 Rare Earth Compounds
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds

LUTETIUM OXIDES [01]
DA December 1, 1974
BT1 Lutetium Compounds
BT2 Rare Earth Compounds
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds

LUTETIUM PERCHLORATES [01]
DA January 21, 1975
BT1 Lutetium Compounds
BT2 Rare Earth Compounds
BT1 Perchlorates
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Oxygen Compounds

LUTETIUM PHOSPHATES [01]
DA December 16, 1975
BT1 Lutetium Compounds
BT2 Rare Earth Compounds
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds

LUTETIUM SELENIDES [01]
DA November 28, 1975
BT1 Lutetium Compounds
BT2 Rare Earth Compounds
BT1 Selenides
BT2 Chalcogenides
BT2 Selenium Compounds

LUTETIUM SILICATES [01]
DA April 12, 1977
BT1 Lutetium Compounds
BT2 Rare Earth Compounds
BT1 Silicates
BT2 Oxygen Compounds
BT2 Silicon Compounds

LUTETIUM SILICIDES [01]
DA September 11, 1978
BT1 Lutetium Compounds
BT2 Rare Earth Compounds
BT1 Silicides
BT2 Silicon Compounds

LUTETIUM SULFATES [01]
DA December 1, 1974
BT1 Lutetium Compounds
BT2 Rare Earth Compounds
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds

LUTETIUM SULFIDES [01]
DA December 1, 1974
BT1 Lutetium Compounds
BT2 Rare Earth Compounds
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds

→**LUTETIUM TUNGSTATES [01]**
DA May 16, 1990
BT1 Lutetium Compounds
BT2 Rare Earth Compounds
BT1 Tungstates

LUXEMBOURG [01]
DA December 1, 1974
BT1 Developed Countries
BT1 Western Europe
BT2 Europe
RT OECD

LUXEMBURG EFFECT [01]
DA December 1, 1974
BT1 Radiowave Radiation
BT2 Electromagnetic Radiation
BT3 Radiations

LWBR TYPE REACTORS [01]
DA December 1, 1974
BT1 Breeder Reactors

BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors

LWGR TYPE REACTORS [01]
DA December 1, 1974
UF *RBMK Type Reactors*
UF *Water Cooled Graphite Moderated Reactors*
BT1 Graphite Moderated Reactors
BT2 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
NT1 APS Reactor
NT1 Beloyarsk-1 Reactor
NT1 Beloyarsk-2 Reactor
NT1 Bilibin Reactor
NT1 Chernobylsk-1 Reactor
NT1 Chernobylsk-2 Reactor
NT1 Chernobylsk-3 Reactor
NT1 Chernobylsk-4 Reactor
NT1 Ignalinsk-1 Reactor
NT1 Ignalinsk-2 Reactor
NT1 Kursk-1 Reactor
NT1 Kursk-2 Reactor
NT1 Kursk-3 Reactor
NT1 Kursk-4 Reactor
NT1 Leningrad-1 Reactor
NT1 Leningrad-2 Reactor
NT1 Leningrad-3 Reactor
NT1 Leningrad-4 Reactor
NT1 N-Reactor
NT1 RPT Reactor
NT1 Smolensk-1 Reactor
NT1 Smolensk-2 Reactor
NT1 UWTR Reactor
RT Power Reactors

LWOR TYPE REACTORS [01]
DA December 1, 1974
UF *Water Moderated Organic Cooled Reactors*
BT1 Organic Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors
RT Power Reactors

LWR Type Reactors
DA March 7, 1983
USE Water Cooled Reactors

LYAPUNOV METHOD [01]
DA November 1, 1970
UF *Liapunov Method*
BT1 Calculation Methods

LYASES [01]
(Code number 4)
DA December 1, 1974
BT1 Enzymes
BT2 Proteins
BT3 Organic Compounds
NT1 Carbon-Carbon Lyases
NT2 Aldehyde-Lyases
NT2 Aldolases
NT2 Carboxy-Lyases
NT3 Carboxylase
NT3 Decarboxylases
NT3 Ribulose Diphosphate Carboxylase
NT1 Carbon-Oxygen Lyases
NT2 Hydro-Lyases
NT3 Carbonic Anhydrase
NT1 Cyclases
NT1 DNA Methylases
RT Aldehydes
RT Anhydrides
RT Carboxylation
RT Decarboxylation

Lyman Alpha Emission
DA December 1, 1974
USE Lyman Lines

Lyman Alpha Radiation
DA December 1, 1974
USE Lyman Lines

Lyman Continuum
DA December 1, 1974
USE Lyman Lines

LYMAN LINES [01]
(Includes all aspects of the transitions associated with Lyman lines.)
DA December 1, 1974
UF *Lyman Alpha Emission*
UF *Lyman Alpha Radiation*
UF *Lyman Continuum*
UF *Lyman Series*
RT Hydrogen
RT Spectra

Lyman Series
DA December 1, 1974
USE Lyman Lines

LYMANTRIA DISPAR [01]
DA December 1, 1974
UF *Gypsy Moth*
BT1 Moths
BT2 Lepidoptera
BT3 Insects
BT4 Arthropods
BT5 Invertebrates
BT6 Animals

LYMPH [01]
DA December 1, 1974
BT1 Body Fluids
BT2 Biological Materials
BT3 Materials
RT Lymphatic System

LYMPH NODES [01]
DA December 1, 1974
BT1 Lymphatic System
RT Immune System Diseases
RT Lymph Vessels
RT Reticuloendothelial System

LYMPH VESSELS [01]
DA December 1, 1974
UF *Thoracic Duct*
BT1 Lymphatic System
RT Angiomas
RT Lymph Nodes
RT Veins

LYMPHATIC SYSTEM [01]
DA December 1, 1974
UF+ *Appendix (Vermiform)*
UF+ *Bursa of Fabricius*
UF+ *Tonsils*
NT1 Lymph Nodes
NT1 Lymph Vessels
NT1 Thymus
RT Cardiovascular System
RT Leukemia
RT Lungs
RT Lymph
RT Lymphocytes
RT Lymphomas
RT Organs
RT Radiation Syndrome
RT Reticuloendothelial System
RT Spleen
RT Splenectomy

Lymphoblastomas
DA December 1, 1974
USE Lymphomas

LYMPHOCYTES [01]
DA December 1, 1974
UF *Lymphoid Cells*
BT1 Connective Tissue Cells
BT2 Somatic Cells
BT3 Animal Cells
BT1 Leukocytes
BT2 Blood Cells
BT3 Blood
BT4 Body Fluids
BT5 Biological Materials
BT6 Materials
RT Concanavalin A
RT Histocompatibility Complex
RT Hybridomas
RT Immune System Diseases
RT Immunity
RT Lymphatic System
RT Lymphokines
RT Lymphomas
RT Lymphopenia
RT Natural Killer Cells
RT Phytohemagglutinin
RT Plasma Cells
RT Radiation Syndrome
RT Thymus

Lymphogranuloma Malignum
DA December 1, 1974
USE Hodgkins Disease

Lymphogranulomas
DA December 1, 1974
USE Lymphomas

Lymphogranulomatosis
DA December 1, 1974
USE Hodgkins Disease

Lymphoid Cells
DA December 1, 1974
USE Lymphocytes

LYMPHOKINES [01]
DA January 9, 1981
BT1 Growth Factors
BT2 Mitogens
BT2 Proteins
BT3 Organic Compounds
NT1 Interferon
RT Complement
RT Immunity
RT Lymphocytes
DEF Biologically active molecules released from lymphocytes stimulated by antigens of mitogens.

LYMPHOMAS [01]
DA December 1, 1974
UF *Lymphoblastomas*
UF *Lymphogranulomas*
BT1 Immune System Diseases
BT2 Diseases
BT1 Neoplasms
BT2 Diseases
NT1 Hodgkins Disease
NT1 Lymphosarcomas
RT Lymphatic System
RT Lymphocytes

LYMPHOPENIA [01]
DA December 1, 1974
BT1 Leukopenia
BT2 Hemic Diseases
BT3 Diseases
BT2 Immune System Diseases
BT3 Diseases
RT Lymphocytes

Lymphopoiesis
DA December 1, 1974
USE Leukopoiesis

LYMPHOSARCOMAS [01]
DA December 1, 1974
BT1 Lymphomas
BT2 Immune System Diseases
BT3 Diseases
BT2 Neoplasms
BT3 Diseases
BT1 Sarcomas
BT2 Neoplasms
BT3 Diseases

Lynchburg Pool Reactor
DA December 1, 1974
USE LPR Reactor

LYNDOCHITE [01]
DA December 1, 1974
BT1 Niobium Oxides
BT2 Niobium Compounds
BT3 Refractory Metal Compounds
BT3 Transition Element Compounds
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds

BT1 Oxide Minerals
BT2 Minerals
BT1 Rare Earth Compounds
BT1 Thorium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
BT1 Thorium Oxides
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT2 Thorium Compounds
BT3 Actinide Compounds

LYNITE [01]
DA December 1, 1974
BT1 Aluminium Base Alloys
BT2 Aluminium Alloys
BT3 Alloys
BT1 Copper Alloys
BT2 Alloys
BT1 Iron Alloys
BT2 Alloys
BT1 Zinc Alloys
BT2 Alloys

LYOLUMINESCENCE [01]
DA October 19, 1977
BT1 Chemical Radiation Effects
BT2 Radiation Effects
BT1 Luminescence
RT Dosimetry

LYOPHILIZATION [01]
DA December 1, 1974
SF *Freeze Drying*
RT Drying
RT Freezing

LYSERGIC ACID [01]
DA December 1, 1974
BT1 Alkaloids
BT2 Organic Compounds
BT1 Heterocyclic Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT2 Heterocyclic Compounds
BT3 Organic Compounds
BT1 Indoles
BT2 Azaarenes
BT3 Aromatics
BT4 Organic Compounds
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
BT2 Pyrroles
BT3 Azoles
BT4 Heterocyclic Compounds
BT5 Organic Compounds
BT4 Organic Nitrogen Compounds
BT5 Organic Compounds

Lysholm Engine
DA July 20, 1984
USE Helical Rotary Screw Expander

LYSIMETERS [01]
DA November 19, 1985
BT1 Measuring Instruments
DEF Devices for measuring the percolation of water through soils and for determining the soluble constituents removed in the drainage.

LYSINE [01]
DA December 1, 1974
UF *Diaminocaproic Acid*
BT1 Amino Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds

LYSIS
DA November 11, 1975
NT1 Electrolysis
NT2 Anodization
NT2 Electrodeposition
NT3 Electroplating
NT2 Electropolishing
NT2 Electrorefining
NT2 Photoelectrolysis
NT1 Hemolysis
NT1 Hydrolysis
NT2 Acid Hydrolysis
NT2 Alkaline Hydrolysis
NT2 Autohydrolysis
NT2 Enzymatic Hydrolysis
NT2 Saccharification
NT2 Saponification

LYSOSOMES [01]
DA December 1, 1974
RT Subcellular Distribution

LYSOZYME [01]
(Code number 3.2.1.17.)
DA December 1, 1974
BT1 O-Glycosyl Hydrolases
BT2 Glycosyl Hydrolases
BT3 Hydrolases
BT4 Enzymes
BT5 Proteins
BT6 Organic Compounds
RT Mucoproteins
RT Polysaccharides

M1-TRANSITIONS [01]
(Magnetic dipole transitions.)
DA April 28, 1978
UF *Magnetic Dipole Transitions*
BT1 Multipole Transitions
BT2 Energy-Level Transitions

M2-TRANSITIONS [01]
(Magnetic quadrupole transitions.)
DA May 1, 1978
UF *Magnetic Quadrupole Transitions*
BT1 Multipole Transitions
BT2 Energy-Level Transitions

M3-TRANSITIONS [01]
(Magnetic octupole transitions.)
DA April 28, 1978
UF *Magnetic Octupole Transitions*
BT1 Multipole Transitions
BT2 Energy-Level Transitions

M4-TRANSITIONS [01]
(Magnetic hexadecapole transitions.)
DA May 1, 1978
UF *Magnetic Hexadecapole Transitions*
BT1 Multipole Transitions
BT2 Energy-Level Transitions

M CAPTURE [01]
DA August 9, 1979
BT1 Electron Capture Decay
BT2 Beta Decay
BT3 Nuclear Decay
BT4 Decay

M CENTERS [01]
DA December 1, 1974
BT1 Color Centers
BT2 Vacancies
BT3 Point Defects
BT4 Crystal Defects
BT5 Crystal Structure

M CODES [01]
DA December 1, 1974
BT1 Computer Codes

M CONVERSION [01]
DA December 1, 1974
UF *M-Conversion Coefficient*
BT1 Internal Conversion
BT2 Conversion
BT2 Nuclear Decay
BT3 Decay

M-Conversion Coefficient
DA December 1, 1974
USE M Conversion

M-GAS PROCESS
DA February 27, 1979
RT High BTU Gas
RT Synthetic Fuels
DEF Two vessel system to convert hydrocarbons to fuel gas in which steam gasification of feedstock occurs in one fluidized bed and regeneration of catalyst with combustion of coke and fuel in a separate fluidized bed.

M-S Configuration
DA December 1, 1974
USE Mayer-Schmidt Configurations

M SHELL [01]
DA August 24, 1976
UF *Atomic Shells (M)*
BT1 Electronic Structure

MA 754
DA August 9, 1979
USE Nickel Base Alloys

MA 956
DA August 9, 1979
USE Iron Base Alloys

→**MAANSHAN-1 REACTOR [01]**
(Taiwan, China)
DA October 15, 1991
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

MAC
DA December 1, 1974
USE Maximum Acceptable Contamination

Macaca
DA December 1, 1974
USE Macacus

MACACUS [01]
DA December 1, 1974
UF *Macaca*
UF *Rhesus Monkeys*
BT1 Monkeys
BT2 Primates
BT3 Mammals
BT4 Vertebrates
BT5 Animals

MACAO [01]
DA December 1, 1974
BT1 Asia

MACERALS [01]
DA June 24, 1977
NT1 Exinite
NT1 Inertinite
NT1 Vitrinite
RT Coal
RT Lithotypes
RT Petrology
DEF Petrologic units seen in microscopic sections of coal; the organic units comprising the coal mass including vitrinites, exinites, and inertinites.

MACH NUMBER [01]
DA December 1, 1974
BT1 Velocity
RT Aerodynamics
RT Flow Rate
RT Shock Waves

MACH PRINCIPLE [01]
DA December 1, 1974
BT1 Hypothesis
RT Cosmology
RT General Relativity Theory
RT Space-Time

MACH-ZEHNDER INTERFEROMETER [01]
DA December 1, 1974
BT1 Interferometers
BT2 Measuring Instruments

MACHINE PARTS [01]
DA December 1, 1974
UF *Couplings (Machine Parts)*
NT1 Brakes
NT2 Water Brakes
NT1 Gears
NT1 Mechanical Transmissions
NT1 Pistons
NT1 Shafts
NT2 Mechanical Shafts
NT1 Springs
RT Castings
RT Rotors
RT Threaded Joints

MACHINE TOOLS [01]
DA December 1, 1974
BT1 Tools
NT1 Grinding Machines
NT1 Lathes
NT1 Milling Machines
RT Computer-Aided Manufacturing
RT Machining
RT Presses

MACHINE TRANSLATIONS [01]
(Not for translation of computer programs, for which use TRANSLATORS.)
DA December 15, 1976
RT Computers
RT Dictionaries
RT Standardized Terminology

MACHINERY [01]
DA December 10, 1979
BT1 Equipment
NT1 Pulverizers
NT1 Refrigerating Machinery
NT1 Turbomachinery
NT2 Turbines
NT3 Gas Turbines
NT4 Coal-Fired Gas Turbines
NT3 Hydraulic Turbines
NT4 Pump Turbines
NT3 Radial Inflow Turbines
NT3 Radial-Outflow Reaction Turbines
NT3 Rotary Separator Turbines
NT3 Steam Turbines
NT3 Velocity-Pumps Reaction Turbines
NT3 Wind Turbines
NT4 Diffuser Augmented Turbines
NT4 Horizontal Axis Turbines
NT4 Vertical Axis Turbines
NT5 Gromill Turbines
NT5 Tornado Turbines
NT4 Vortex Augmented Turbines
NT2 Turbochargers
NT2 Turbodrills
NT2 Turbofan Engines
NT2 Turbogenerators
NT2 Turbojet Engines
RT Industry
RT Manufacturing

MACHINING [01]
DA December 1, 1974
NT1 Chemical Machining
NT2 Electrochemical Machining
NT1 Cutting
NT1 Electron Beam Machining
NT1 Grinding
NT1 Honing
NT1 Laser Beam Machining
NT1 Materials Drilling
NT2 Laser Drilling
NT1 Milling
NT1 Spark Machining
NT1 Ultrasonic Machining
RT Cutting Fluids
RT Lathes
RT Machine Tools
RT Materials Working
RT Surface Finishing
RT Tools

MACKINTOSHITE [01]
DA December 1, 1974
BT1 Silicate Minerals
BT2 Minerals
BT1 Thorium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
BT1 Thorium Silicates
BT2 Silicates
BT3 Oxygen Compounds
BT3 Silicon Compounds
BT2 Thorium Compounds
BT3 Actinide Compounds
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
BT1 Uranium Silicates
BT2 Silicates
BT3 Oxygen Compounds
BT3 Silicon Compounds
BT2 Uranium Compounds
BT3 Actinide Compounds

MACROPHAGES [01]
DA December 1, 1974
BT1 Connective Tissue Cells
BT2 Somatic Cells
BT3 Animal Cells
BT1 Phagocytes
BT2 Somatic Cells
BT3 Animal Cells
RT Phagocytosis
RT Reticuloendothelial System
RT Spleen

MADAGASCAR [01]
DA December 1, 1974
BT1 Africa
BT1 Developing Countries
BT1 Islands
NT1 Malagasy Republic

MADARAS ROTORS
DA October 23, 1978
BT1 Rotors
RT Vertical Axis Turbines

MAGELLANIC CLOUDS [01]
DA December 1, 1974
BT1 Galaxies

MAGIC NUCLEI [01]
DA December 1, 1974
UF *Magic Numbers*
BT1 Nuclei
RT Nuclear Structure
RT Stable Isotopes

Magic Numbers
DA December 1, 1974
USE Magic Nuclei

MAGMA [01]
DA February 5, 1975
RT Igneous Rocks
RT Lava
RT Magmatism
RT Rocks
RT Volcanism
DEF Naturally occurring mobile rock materials, generated within the earth and capable of intrusion and extrusion, from which igneous rocks are thought to have been derived by solidification and related processes.

MAGMA SYSTEMS [01]
DA April 8, 1975
BT1 Geothermal Systems
DEF A geothermal system in which the dominant heat source is a reservoir of magma.

Magmamax Process
DA November 29, 1977
USE Binary-Fluid Systems

MAGMATIC WATER
DA April 8, 1975
BT1 Ground Water
BT2 Water
BT3 Hydrogen Compounds
BT3 Oxygen Compounds
DEF Water that exists in, or which is derived from, molten igneous rocks or magma.

MAGMATISM [01]
DA July 5, 1978
RT Igneous Rocks
RT Magma
RT Volcanism
DEF The development, movement, and solidification of magma to igneous rocks.

MAGNALIUM [01]
DA December 1, 1974
BT1 Aluminium Base Alloys
BT2 Aluminium Alloys
BT3 Alloys
BT1 Copper Alloys
BT2 Alloys
BT1 Magnesium Alloys
BT2 Alloys

MAGNESIUM [01]
DA December 1, 1974
BT1 Alkaline Earth Metals
BT2 Metals
BT3 Elements

MAGNESIUM 20 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Magnesium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

MAGNESIUM 21 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Magnesium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

MAGNESIUM 22 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Magnesium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

MAGNESIUM 23 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei

BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Magnesium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

MAGNESIUM 23 TARGET [01]
DA July 12, 1976
BT1 Targets

MAGNESIUM 24 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Magnesium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Stable Isotopes
BT2 Isotopes
RT Magnesium 24 Beams
RT Magnesium 24 Reactions

MAGNESIUM 24 BEAMS [01]
DA March 12, 1976
BT1 Ion Beams
BT2 Beams
RT Magnesium 24

MAGNESIUM 24 REACTIONS [01]
DA April 4, 1975
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions
RT Magnesium 24

MAGNESIUM 24 TARGET [01]
DA July 9, 1976
BT1 Targets

MAGNESIUM 25 [01]
DA December 1, 1974
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Magnesium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

MAGNESIUM 25 REACTIONS [01]
DA August 4, 1981
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

MAGNESIUM 25 TARGET [01]
DA July 9, 1976
BT1 Targets

MAGNESIUM 26 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Magnesium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

MAGNESIUM 26 REACTIONS [01]
DA July 8, 1982
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

MAGNESIUM 26 TARGET [01]
DA July 9, 1976
BT1 Targets

MAGNESIUM 27 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Magnesium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

MAGNESIUM 27 TARGET [01]
DA May 25, 1979
BT1 Targets

MAGNESIUM 28 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Magnesium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
RT Radioisotope Generators

MAGNESIUM 28 DECAY RADIOISOTOPES [01]
DA February 13, 1990
BT1 Heavy Ion Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
NT1 Uranium 234
RT Magnesium 28 Emission Decay

MAGNESIUM 28 EMISSION DECAY [01]
DA February 13, 1990
BT1 Heavy Ion Emission Decay
BT2 Nuclear Decay
BT3 Decay
RT Magnesium 28 Decay Radioisotopes

MAGNESIUM 29 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Magnesium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

MAGNESIUM 30 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Magnesium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

MAGNESIUM 30 EMISSION DECAY [01]
DA November 21, 1989
BT1 Heavy Ion Emission Decay
BT2 Nuclear Decay
BT3 Decay

MAGNESIUM 31 [01]
DA January 21, 1975
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Magnesium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

MAGNESIUM 32 [01]
DA August 9, 1977
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Magnesium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes

MAGNESIUM 33 [01]
DA February 11, 1980
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Magnesium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes

MAGNESIUM 34 [01]
DA February 11, 1980
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Magnesium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes

MAGNESIUM 35 [01]
DA October 16, 1989
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Magnesium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes

MAGNESIUM 36 [01]
DA October 16, 1989
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Magnesium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes

MAGNESIUM ADDITIONS [01]
DA December 1, 1974
BT1 Magnesium Alloys

BT2 Alloys
NT1 Alloy-Al95Cu4
NT2 Duralumin
NT1 Bondur
NT1 Zamak

MAGNESIUM ALLOY-AZ31B [01]
DA December 1, 1974
BT1 Aluminium Alloys
BT2 Alloys
BT1 Magnesium Base Alloys
BT2 Magnesium Alloys
BT3 Alloys
BT1 Manganese Additions
BT2 Manganese Alloys
BT3 Alloys
BT1 Zinc Alloys
BT2 Alloys

MAGNESIUM ALLOY-EK [01]
DA December 1, 1974
BT1 Magnesium Base Alloys
BT2 Magnesium Alloys
BT3 Alloys
BT1 Rare Earth Alloys
BT2 Alloys
BT1 Zirconium Additions
BT2 Zirconium Alloys
BT3 Alloys

MAGNESIUM ALLOY-EZ [01]
DA December 1, 1974
BT1 Magnesium Base Alloys
BT2 Magnesium Alloys
BT3 Alloys
BT1 Rare Earth Alloys
BT2 Alloys
BT1 Zinc Alloys
BT2 Alloys
BT1 Zirconium Additions
BT2 Zirconium Alloys
BT3 Alloys

MAGNESIUM ALLOY-HK31A [01]
DA December 1, 1974
BT1 Magnesium Base Alloys
BT2 Magnesium Alloys
BT3 Alloys
BT1 Thorium Alloys
BT2 Actinide Alloys
BT3 Alloys
BT1 Zirconium Additions
BT2 Zirconium Alloys
BT3 Alloys

MAGNESIUM ALLOY-ZR [01]
DA December 1, 1974
BT1 Chromium Alloys
BT2 Alloys
BT1 Magnesium Base Alloys
BT2 Magnesium Alloys
BT3 Alloys
BT1 Zinc Alloys
BT2 Alloys

MAGNESIUM ALLOYS [01]
DA December 1, 1974
BT1 Alloys
NT1 Duranalium
NT1 Magnalium
NT1 Magnesium Additions
NT2 Alloy-Al95Cu4
NT3 Duralumin
NT2 Bondur
NT2 Zamak
* NT1 Magnesium Base Alloys

MAGNESIUM ARSENIDES [01]
DA November 29, 1976
BT1 Arsenides
BT2 Arsenic Compounds
BT2 Pnictides
BT1 Magnesium Compounds
BT2 Alkaline Earth Metal Compounds

MAGNESIUM BASE ALLOYS [01]
DA December 1, 1974
BT1 Magnesium Alloys
BT2 Alloys
NT1 Magnesium Alloy-AZ31B
NT1 Magnesium Alloy-EK
NT1 Magnesium Alloy-EZ
NT1 Magnesium Alloy-HK31A
NT1 Magnesium Alloy-ZR
NT1 Magnox

MAGNESIUM BORIDES [01]
DA December 1, 1974
BT1 Borides
BT2 Boron Compounds
BT1 Magnesium Compounds
BT2 Alkaline Earth Metal Compounds

MAGNESIUM BROMIDES [01]
DA December 1, 1974
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Magnesium Compounds
BT2 Alkaline Earth Metal Compounds

MAGNESIUM CARBIDES [01]
DA December 1, 1974
BT1 Carbides
BT2 Carbon Compounds
BT1 Magnesium Compounds
BT2 Alkaline Earth Metal Compounds

MAGNESIUM CARBONATES [01]
DA December 1, 1974
BT1 Carbonates
BT2 Carbon Compounds
BT2 Oxygen Compounds
BT1 Magnesium Compounds
BT2 Alkaline Earth Metal Compounds
NT1 Ankerite
NT1 Ferroan
RT Bayleyite
RT Carbonate Minerals
RT Dolomite
RT Limestone

MAGNESIUM CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Magnesium Compounds
BT2 Alkaline Earth Metal Compounds
RT Carnallite
RT Halide Minerals

MAGNESIUM COMPLEXES [01]
DA December 1, 1974
BT1 Alkaline Earth Metal Complexes
BT2 Complexes

MAGNESIUM COMPOUNDS [01]
DA December 1, 1974
BT1 Alkaline Earth Metal Compounds
NT1 Grignard Reagents
NT1 Magnesium Arsenides
NT1 Magnesium Borides
NT1 Magnesium Bromides
NT1 Magnesium Carbides
NT1 Magnesium Carbonates
NT2 Ankerite
NT2 Ferroan
NT1 Magnesium Chlorides
NT1 Magnesium Fluorides
NT1 Magnesium Hydrides
NT1 Magnesium Hydroxides
NT1 Magnesium Iodides
NT1 Magnesium Nitrates
NT1 Magnesium Nitrides
NT1 Magnesium Oxides
NT2 Novacekite
NT1 Magnesium Perchlorates
NT1 Magnesium Phosphates
NT1 Magnesium Silicates
NT2 Enstatite
NT2 Sepiolite
NT2 Sklodowskite
NT1 Magnesium Silicides
NT1 Magnesium Sulfates
NT1 Magnesium Sulfides
NT1 Magnesium Tellurides

MAGNESIUM FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Magnesium Compounds
BT2 Alkaline Earth Metal Compounds

MAGNESIUM HYDRIDES [01]
DA December 1, 1974
BT1 Hydrides
BT2 Hydrogen Compounds
BT1 Magnesium Compounds
BT2 Alkaline Earth Metal Compounds

MAGNESIUM HYDROXIDES [01]
DA December 1, 1974
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds
BT1 Magnesium Compounds
BT2 Alkaline Earth Metal Compounds

MAGNESIUM IODIDES [01]
DA December 1, 1974
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds
BT1 Magnesium Compounds
BT2 Alkaline Earth Metal Compounds

MAGNESIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

MAGNESIUM ISOTOPES [01]
DA December 1, 1974
BT1 Alkaline Earth Isotopes
BT2 Isotopes
NT1 Magnesium 20
NT1 Magnesium 21
NT1 Magnesium 22
NT1 Magnesium 23
NT1 Magnesium 24
NT1 Magnesium 25
NT1 Magnesium 26
NT1 Magnesium 27
NT1 Magnesium 28
NT1 Magnesium 29
NT1 Magnesium 30
NT1 Magnesium 31
NT1 Magnesium 32
NT1 Magnesium 33
NT1 Magnesium 34
NT1 Magnesium 35
NT1 Magnesium 36

MAGNESIUM NITRATES [01]
DA December 1, 1974
BT1 Magnesium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds

MAGNESIUM NITRIDES [01]
DA December 1, 1974
BT1 Magnesium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides

MAGNESIUM OXIDES [01]
DA December 1, 1974
BT1 Magnesium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Oxides

BT2 Chalcogenides
BT2 Oxygen Compounds
NT1 Novacekite
RT Oxide Minerals
RT Spinels

MAGNESIUM PERCHLORATES [01]
DA December 1, 1974
BT1 Magnesium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Perchlorates
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Oxygen Compounds

MAGNESIUM PHOSPHATES [01]
DA December 1, 1974
BT1 Magnesium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds
RT Saleeite

MAGNESIUM SILICATES [01]
DA December 1, 1974
BT1 Magnesium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Silicates
BT2 Oxygen Compounds
BT2 Silicon Compounds
NT1 Enstatite
NT1 Sepiolite
NT1 Sklodowskite
RT Olivine
RT Serpentine
RT Silicate Minerals
RT Talc
RT Vermiculite

MAGNESIUM SILICIDES [01]
DA October 28, 1975
BT1 Magnesium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Silicides
BT2 Silicon Compounds

MAGNESIUM SLURRY SCRUBBING PROCESS
DA April 12, 1977
BT1 Desulfurization
BT2 Chemical Reactions
RT Scrubbing
RT Waste Processing
DEF Process uses magnesium oxide to absorb sulfur dioxide in a wet scrubber. Aqueous slurry of magnesium sulfite formed in the scrubber is dried and calcined to regenerate magnesium oxide and produce an SO_2-rich gas stream for recovery of sulfuric acid or elemental sulfur.

MAGNESIUM SULFATES [01]
DA December 1, 1974
BT1 Magnesium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds
RT Lava
RT Polyhalite
RT Sulfate Minerals

MAGNESIUM SULFIDES [01]
DA December 1, 1974
BT1 Magnesium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds

MAGNESIUM TELLURIDES [01]
DA September 11, 1975
BT1 Magnesium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds

MAGNET COILS [01]
DA December 1, 1974
UF *Coils (Magnetic)*
UF *Magnetic Coils*
BT1 Electric Coils
BT2 Electrical Equipment
BT3 Equipment
NT1 Pulsed Magnet Coils
RT Magnets
RT Septum Magnets
RT Solenoids
RT Superconducting Coils
RT Superconducting Magnets
RT Winding Machines

MAGNET CORES [01]
DA December 1, 1974
UF *Cores (Magnet)*
RT Magnet Pole Pieces
RT Magnets

MAGNET POLE PIECES [01]
DA December 1, 1974
RT Magnet Cores
RT Magnets

MAGNET STEEL-KS [01]
DA December 1, 1974
BT1 Chromium Steels
BT2 Chromium Alloys
BT3 Alloys
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys
BT1 Cobalt Alloys
BT2 Alloys
BT1 Tungsten Alloys
BT2 Alloys

MAGNETIC AMPLIFIERS [01]
DA December 1, 1974
BT1 Amplifiers
BT2 Electronic Equipment
BT3 Equipment

MAGNETIC ANALYZERS [01]
DA December 1, 1974
BT1 Beam Analyzers
RT Beam Bending Magnets
RT Electromagnetic Lenses
RT Electrostatic Septa
RT Septum Magnets

MAGNETIC BALANCES [01]
DA December 1, 1974
UF *Balances (Magnetic)*
BT1 Measuring Instruments
RT Magnetic Susceptibility

MAGNETIC BAYS [01]
DA December 1, 1974
UF *Auroral Substorms*
UF *Polar Substorms*
RT Disturbances
RT Magnetic Storms

MAGNETIC BEARINGS [01]
DA December 1, 1974
BT1 Bearings

Magnetic Bremsstrahlung
DA December 1, 1974
USE Synchrotron Radiation

MAGNETIC CIRCUITS [01]
DA December 1, 1974
UF *Circuits (Magnetic)*
RT Electric Coils

MAGNETIC CIRCULAR DICHROISM
DA July 18, 1981
BT1 Dichroism
RT Structural Chemical Analysis

Magnetic Coils
DA December 1, 1974
USE Magnet Coils

MAGNETIC COMPRESSION [01]
DA December 1, 1974
BT1 Compression
RT LINUS Reactors
RT Magnetic Fields
RT Pinch Effect
RT Pulsar Concept

MAGNETIC CONFINEMENT [01]
DA November 2, 1989
BT1 Plasma Confinement
BT2 Confinement
RT Electron Rings
RT Ion Rings
RT Magnetic Field Configurations

Magnetic Cooling
DA February 20, 1976
USE Adiabatic Demagnetization

MAGNETIC CORES [01]
(For the storage of information in machine-readable form only.)
DA December 1, 1974
UF *Cores (Magnetic)*
BT1 Magnetic Storage Devices
BT2 Memory Devices
RT Computers

MAGNETIC DIPOLE MOMENTS [01]
DA December 1, 1974
BT1 Dipole Moments
BT1 Magnetic Moments
RT Nuclear Magnetic Moments

Magnetic Dipole Transitions
DA April 28, 1978
USE M1-Transitions

MAGNETIC DIPOLES [01]
DA December 1, 1974
BT1 Dipoles
BT2 Multipoles
RT Magnetic Fields

MAGNETIC DISKS [01]
DA December 1, 1974
UF *Disks (Magnetic)*
BT1 Magnetic Storage Devices
BT2 Memory Devices

MAGNETIC DRUMS [01]
DA December 1, 1974
BT1 Magnetic Storage Devices
BT2 Memory Devices

MAGNETIC ENERGY STORAGE
DA January 28, 1977
BT1 Energy Storage
BT2 Storage
NT1 Superconducting Magnetic Energy Storage
RT Magnetic Energy Storage Equipment
RT Superconducting Magnets

MAGNETIC ENERGY STORAGE EQUIPMENT
DA September 19, 1977
BT1 Equipment
RT Energy Storage Systems
RT Magnetic Energy Storage
RT Magnets
RT Peaking Power Plants
RT Superconducting Coils
RT Superconducting Magnets

MAGNETIC FIELD CONFIGURATIONS [01]
(For pinch configurations, use the narrower terms of PINCH EFFECT.)
DA December 1, 1974
NT1 Closed Configurations
NT2 Mayer-Schmidt Configurations
NT2 Minimum Average-B Configurations
NT2 Multipolar Configurations
NT3 Hexapolar Configurations

NT3 Octupolar Configurations
NT3 Quadrupolar Configurations
NT2 Toroidal Configuration
NT1 Magnetic Field Reversal
NT1 Magnetic Field Ripples
NT1 Magnetic Islands
NT1 Magnetic Surfaces
NT2 Mode Rational Surfaces
NT1 Open Configurations
NT2 Baseball Seam Configurations
NT2 Cusped Geometries
NT2 Magnetic Mirror Configurations
NT3 TLM Configurations
NT2 Minimum-B Configurations
RT Confinement
RT Helical Configuration
RT Magnetic Confinement
RT Magnetic Fields
RT Pinch Effect
RT Plasma
RT Thermonuclear Devices

MAGNETIC FIELD REVERSAL [01]
DA February 14, 1978
BT1 Magnetic Field Configurations
RT Magnetic Fields
RT Magnetic Reconnection
RT Reverse-Field Pinch
RT Reversed-Field Mirrors

MAGNETIC FIELD RIPPLES [01]
DA April 6, 1978
BT1 Magnetic Field Configurations

MAGNETIC FIELDS [01]
DA December 1, 1974
UF *Fields (Magnetic)*
UF+ *Photomagnetoelectric Effect*
NT1 Critical Field
NT1 Force-Free Magnetic Fields
NT1 Geomagnetic Field
NT1 Interplanetary Magnetic Fields
NT1 Interstellar Magnetic Fields
RT Beta Ratio
RT Biot-Savart Law
RT Crossed Fields
RT Demagnetization
RT Electromagnetic Fields
RT End Effects
RT Faraday Method
RT Galvanomagnetic Effect
RT Guiding-Center Approximation
RT Inhomogeneous Fields
RT Langevin Equation
RT Larmor Radius
RT Levitation
RT Lorentz Force
RT Magnetic Compression
RT Magnetic Dipoles
RT Magnetic Field Configurations
RT Magnetic Field Reversal
RT Magnetic Flux
RT Magnetic Mirror Configurations
RT Magnetic Mirrors
RT Magnetic Properties
RT Magnetic Reconnection
RT Magnetic Rigidity
RT Magnetism
RT Magnetization
RT Magneto-Thermal Effects
RT Mirror Ratio
RT Righi-Leduc Effect
RT Rotational Transform
RT Shear
RT Shubnikov-De Haas Effect
RT Stoermer Theory
RT Trapping
RT Zeeman Effect

MAGNETIC FILTERS [01]
DA October 23, 1979
BT1 Filters
RT Filtration
RT Magnetic Separators
RT Separation Processes
DEF A device for the collection or removal of magnetic particles from a liquid or gaseous stream by magnetic fields.

MAGNETIC FLUX [01]
DA December 1, 1974
UF *Flux (Magnetic)*
UF *Flux Jumps*
UF *Flux Pinning*
UF *Fluxoids*
UF *Magnetic Vortices*
UF *Pinning Force*
UF *Vortices (Magnetic)*
RT Aharonov-Bohm Effect
RT Flux Density
RT Flux Quantization
RT Foucault Current
RT Magnetic Fields
RT Skin Effect
RT Superconductivity

MAGNETIC FLUX COORDINATES [01]
(Coordinate system for a toroidally confined plasma in which the radial coordinate is defined by the magnetic flux contained within a given magnetic flux surface.)
DA December 5, 1988
BT1 Curvilinear coordinates
BT2 Coordinates
RT Plasma Radial Profiles
RT Rotational Transform

MAGNETIC FORCE WELDING [01]
DA December 1, 1974
BT1 Welding
BT2 Joining
BT3 Fabrication
RT Magnetic Forming

MAGNETIC FORMING [01]
DA December 1, 1974
BT1 Materials Working
BT2 Fabrication
RT Magnetic Force Welding

MAGNETIC GRADIENT ACCELERATORS [01]
DA January 15, 1980
BT1 Impact Fusion Drivers
DEF A device that uses a high-gradient magnetic field to push a projectile along. The accelerator's magnetic field motion is synchronized with the projectile.

Magnetic Hexadecapole Transitions
DA April 27, 1978
USE M4-Transitions

Magnetic Induction Logging
DA June 7, 1976
USE Induction Logging

MAGNETIC INSULATION [01]
(Insulation of electric fields by means of magnetic fields; not for insulation of the magnetic fields themselves.)
DA December 1, 1974
UF *Insulation (Magnetic)*
RT Confinement
RT Thermionic Diodes

MAGNETIC ISLANDS [01]
DA April 27, 1978
BT1 Magnetic Field Configurations

MAGNETIC LENS SPECTROMETERS [01]
DA December 1, 1974
UF *Intermediate Image Spectrometer*
UF *Long-Lens Spectrometers*
UF *Short-Lens Spectrometers*
UF *Slatis-Siegbahn Spectrometers*
BT1 Magnetic Spectrometers
BT2 Spectrometers
BT3 Measuring Instruments

Magnetic Levitated Trains
DA November 11, 1975
USE Levitated Trains

MAGNETIC LIQUIDS
DA March 12, 1985
UF *Ferrofluids*
UF *Liquid Magnets*
BT1 Liquids
BT2 Fluids
BT1 Magnetic Materials
BT2 Materials
RT Seals

MAGNETIC MATERIALS [01]
DA December 1, 1974
UF *Materials (Magnetic)*
BT1 Materials
NT1 Antiferromagnetic Materials
NT1 Ferrimagnetic Materials
NT2 Ferrites
NT1 Ferromagnetic Materials
NT1 Magnetic Liquids
RT Magnetism

MAGNETIC MIRROR CONFIGURATIONS [01]
DA December 1, 1974
BT1 Open Configurations
BT2 Magnetic Field Configurations
NT1 TLM Configurations
RT Magnetic Fields
RT Magnetic Mirrors
RT Mirror Ratio
RT Plasma Potential

MAGNETIC MIRROR TYPE REACTORS
DA September 15, 1976
BT1 Thermonuclear Reactors
NT1 Field-Reversed Mirror Reactors
NT1 MARS Reactor
NT1 MINIMARS Reactor
NT1 TMR Reactors
RT Magnetic Mirrors
RT TMX Devices

MAGNETIC MIRRORS [01]
(Including systems with minimum-B configuration.)
DA December 1, 1974
UF *MFX Device*
UF *Mirrors (Magnetic)*
UF *MTSE Devices*
BT1 Open Plasma Devices
BT2 Thermonuclear Devices
NT1 2X Devices
NT1 ALICE
NT1 ASPA Device
NT1 Beta II Devices
NT1 BSG Devices
NT1 Bumpy Tori
NT2 Elmo Bumpy Torus
NT1 Burnout Devices
NT1 CIRCE Devices
NT2 CIRCE-25Kw Device
NT1 DCX Devices
NT1 DECA Devices
NT1 Elmax Devices
NT1 Elmo Devices
NT2 Elmo Bumpy Square
NT2 Elmo Bumpy Torus
NT1 IMP Device
NT1 Interem Device
NT1 IXION
NT1 MFTF Devices
NT1 OGRA
NT1 Phoenix Devices
NT1 Pleiade Device
NT1 PR Devices
NT2 PR-6 Device
NT2 PR-7 Device
NT2 PR-8 Device
NT1 Reversed-Field Mirrors
NT1 Tandem Mirrors
NT2 Gamma 10 Devices
NT2 Phaedrus Mirror Devices
NT2 Tara Devices
NT2 TMX Devices
NT1 VGL Devices
RT Magnetic Fields
RT Magnetic Mirror Configurations
RT Magnetic Mirror Type Reactors
RT Mirror Ratio
RT Plasma Potential
RT Q Devices

MAGNETIC MOMENTS [01]
DA December 1, 1974
NT1 Magnetic Dipole Moments
NT1 Nuclear Magnetic Moments

RT Fermi-Segre Formula
RT Gyromagnetic Ratio
RT Magnetism
RT Magnetization
RT Quadrupole Moments

MAGNETIC MONOPOLES [01]
DA December 1, 1974
UF *Dirac Monopoles*
BT1 Monopoles
BT1 Postulated Particles
BT2 Elementary Particles

Magnetic Octupole Transitions
DA April 28, 1978
USE M3-Transitions

Magnetic Permeability
DA December 1, 1974
USE Magnetic Susceptibility

MAGNETIC PROBES [01]
DA December 1, 1974
BT1 Probes
RT Magnetometers

MAGNETIC PROPERTIES [01]
DA December 1, 1974
BT1 Physical Properties
NT1 Magnetic Susceptibility
NT1 Magnetostriction
RT Abrikosov Theory
RT Coercive Force
RT Domain Structure
RT Electrical Properties
RT Electromagnets
RT Magnetic Fields
RT Magnetism
RT Magnetization
RT Magneto-Optical Effects
RT Muon Spin Relaxation
RT Permanent Magnets

MAGNETIC-PUMPING HEATING [01]
DA December 1, 1974
BT1 High-Frequency Heating
BT2 Plasma Heating
BT3 Heating
NT1 Acoustic Heating
NT1 Collisional Heating
NT1 Transit-Time Magnetic Pumping
DEF Plasma heating by a series of periodic compressions and expansions in a limited region of the confinement volume by means of an rf modulation of the confining field.

Magnetic Quadrupole Transitions
DA April 27, 1978
USE M2-Transitions

MAGNETIC RECONNECTION [01]
DA July 25, 1986
RT Magnetic Field Reversal
RT Magnetic Fields
RT Reverse-Field Pinch
RT Sawtooth Oscillations
RT Solar Flares
RT Solar Radio Bursts
RT Solar X-Ray Bursts
DEF A topological rearrangement of the magnetic field lines surrounding a plasma - either natural or manmade. A possible source of the energy released explosively in solar flares and magnetic substorms.

MAGNETIC REFRIGERATORS [01]
DA June 14, 1978
BT1 Refrigerators
RT Cryogenics
RT Cryostats

MAGNETIC RESONANCE [01]
DA December 1, 1974
BT1 Resonance
NT1 ELDOR
NT1 Electron Spin Resonance
NT2 Acoustic ESR
NT1 ENDOR
NT1 Ferrimagnetic Resonance
NT1 Ferromagnetic Resonance
NT1 Nuclear Magnetic Resonance
NT2 Acoustic NMR
RT Bloch Equations
RT Muon Spin Relaxation

MAGNETIC REYNOLDS NUMBER [01]
DA December 1, 1974
BT1 Reynolds Number
RT Magnetohydrodynamics

MAGNETIC RIGIDITY [01]
DA December 1, 1974
RT Magnetic Fields
RT Stratosphere

MAGNETIC SEMICONDUCTORS [01]
DA March 12, 1976
BT1 Semiconductor Materials
BT2 Materials

MAGNETIC SEPARATORS
DA December 22, 1977
BT1 Concentrators
RT Magnetic Filters
RT Separation Processes
DEF A machine for separating magnetic from less magnetic or nonmagnetic materials by using strong magnetic fields.

MAGNETIC SHIELDING
DA June 12, 1975
BT1 Shielding
RT Superconductors

MAGNETIC SPECIFIC HEAT
DA July 18, 1979
BT1 Specific Heat
BT2 Thermodynamic Properties
BT3 Physical Properties
RT Electronic Specific Heat
DEF Magnetic contribution to specific heat.

MAGNETIC SPECTROMETERS [01]
DA December 1, 1974
BT1 Spectrometers
BT2 Measuring Instruments
NT1 Flat Magnetic Spectrometers
NT1 Magnetic Lens Spectrometers

MAGNETIC STARS [01]
DA December 1, 1974
UF *Peculiar A-Stars*
BT1 Stars
RT Pulsars
RT Stellar Magnetospheres
RT Variable Stars

MAGNETIC STORAGE DEVICES [01]
DA December 1, 1974
BT1 Memory Devices
NT1 Magnetic Cores
NT1 Magnetic Disks
NT1 Magnetic Drums
NT1 Magnetic Tapes
NT2 Video Tapes

MAGNETIC STORMS [01]
DA December 1, 1974
UF *Geomagnetic Storms*
RT Disturbances
RT Earth Magnetosphere
RT Forbush Decrease
RT Ionospheric Storms
RT Magnetic Bays
RT Sudden Commencements

MAGNETIC SURFACES [01]
DA April 27, 1978
BT1 Magnetic Field Configurations
NT1 Mode Rational Surfaces
RT Equilibrium Plasma
RT Plasma Confinement
RT Plasma Radial Profiles
RT Rotational Transform
RT Stellarators
RT Tokamak Devices

MAGNETIC SURVEYS [01]
DA January 23, 1975
BT1 Geophysical Surveys
BT2 Surveys
RT Aerial Surveying
RT Geothermal Exploration
RT Induction Logging
RT Seismic Surveys

MAGNETIC SUSCEPTIBILITY [01]
DA December 1, 1974
UF *Magnetic Permeability*
UF *Permeability (Magnetic)*
UF *Susceptibility (Magnetic)*
UF+ *Photomagnetic Effect*
BT1 Magnetic Properties
BT2 Physical Properties
RT Curie Point
RT Curie-Weiss Law
RT Magnetic Balances
RT Neel Temperature

MAGNETIC TAPES [01]
DA December 1, 1974
BT1 Magnetic Storage Devices
BT2 Memory Devices
NT1 Video Tapes

MAGNETIC TESTING [01]
DA December 1, 1974
BT1 Nondestructive Testing
BT2 Materials Testing
BT3 Testing

Magnetic Traps (Closed)
DA December 1, 1974
USE Closed Configurations

Magnetic Traps (Open)
DA December 1, 1974
USE Open Configurations

Magnetic Vortices
DA December 1, 1974
USE Magnetic Flux

Magnetic Wall
DA December 1, 1974
USE Minimum-B Configurations

MAGNETISM [01]
DA December 1, 1974
NT1 Antiferromagnetism
NT2 Mictomagnetism
NT1 Diamagnetism
NT2 Plasma Diamagnetism
NT1 Electromagnetism
NT1 Ferrimagnetism
NT1 Ferromagnetism
NT2 Mictomagnetism
NT1 Nuclear Magnetism
NT1 Paleomagnetism
NT1 Paramagnetism
NT1 Superparamagnetism
NT1 Thermomagnetism
RT Adiabatic Demagnetization
RT Demagnetization
RT Magnetic Fields
RT Magnetic Materials
RT Magnetic Moments
RT Magnetic Properties
RT Magnetization
RT Magnets
RT Spin Glass State

MAGNETITE [01]
DA December 1, 1974
BT1 Iron Ores
BT2 Ores
BT1 Oxide Minerals
BT2 Minerals
RT Black Sands
RT Ferrite
RT Iron Oxides
RT Spinels

MAGNETIZATION [01]
DA June 30, 1975
RT Demagnetization
RT Magnetic Fields
RT Magnetic Moments

RT Magnetic Properties
RT Magnetism

MAGNETO-OPTICAL EFFECTS [01]
DA December 1, 1974
NT1 Voigt Effect
RT Electro-Optical Effects
RT Faraday Effect
RT Kerr Effect
RT Magnetic Properties
RT Optical Properties
RT Stark Effect
RT Zeeman Effect

MAGNETO-THERMAL EFFECTS [01]
DA December 16, 1975
RT Magnetic Fields

MAGNETOACOUSTIC WAVES [01]
DA December 1, 1974
UF *Magnetosonic Waves*
BT1 Hydromagnetic Waves
NT1 Fast Magnetoacoustic Waves
RT Magnetoacoustics

MAGNETOACOUSTICS [01]
DA December 1, 1974
BT1 Acoustics
RT Hydromagnetic Waves
RT Magnetoacoustic Waves
RT Sound Waves

MAGNETOGASDYNAMICS [01]
DA December 1, 1974
BT1 Fluid Mechanics
BT2 Mechanics
RT Gas Flow
RT Magnetohydrodynamics

Magnetohydrodynamic Channels
DA December 1, 1974
USE MHD Channels

Magnetohydrodynamic Generators
DA December 1, 1974
USE MHD Generators

Magnetohydrodynamic Waves
DA December 1, 1974
USE Hydromagnetic Waves

MAGNETOHYDRODYNAMICS [01]
DA December 1, 1974
BT1 Hydrodynamics
BT2 Fluid Mechanics
BT3 Mechanics
RT Direct Energy Conversion
RT Fluid Flow
RT Hartmann Number
RT Magnetic Reynolds Number
RT Magnetogasdynamics
RT Mercier Criterion
RT MHD Equilibrium
RT MHD Generators
RT MHD Power Plants
RT Plasma
RT Plasma Fluid Equations

MAGNETOINDUCTION SENSORS [01]
DA December 1, 1974
BT1 Beam Monitors
BT2 Monitors
BT3 Measuring Instruments
RT Beam Monitoring

MAGNETOMETERS [01]
DA December 1, 1974
BT1 Measuring Instruments
NT1 Fluxgate Magnetometers
NT1 Moving Coil Magnetometers
NT1 Proton Precession Magnetometers
NT1 Vibrating Sample Magnetometers
RT Fluxmeters
RT Magnetic Probes

MAGNETOPAUSE [01]
DA December 1, 1974
RT Earth Magnetosphere
RT Magnetosheath

MAGNETOPLASMA COMPRESSORS [01]
DA April 4, 1975
BT1 Compressors

MAGNETORESISTANCE [01]
DA December 1, 1974
BT1 Electric Conductivity
BT2 Electrical Properties
BT3 Physical Properties
RT Shubnikov-De Haas Effect

MAGNETOSHEATH [01]
DA December 1, 1974
RT Earth Magnetosphere
RT Geomagnetic Field
RT Magnetopause
RT Solar Wind

Magnetosonic Waves
DA December 1, 1974
USE Magnetoacoustic Waves

Magnetosphere
DA December 1, 1974
USE Earth Magnetosphere

MAGNETOSTRICTION [01]
DA December 1, 1974
UF *Electromagnetostriction*
BT1 Magnetic Properties
BT2 Physical Properties
RT Deformation

MAGNETOTAIL [01]
DA December 1, 1974
BT1 Earth Magnetosphere
BT2 Earth Atmosphere
RT Geomagnetic Field
RT Plasma Sheet
RT Plasmapause
RT Plasmasphere

MAGNETOTELLURIC SURVEYS [01]
DA April 19, 1976
BT1 Electromagnetic Surveys
BT2 Electrical Surveys
BT3 Geophysical Surveys
BT4 Surveys
DEF The measurement of natural electric and magnetic fields;usually the two horizontal electric field components plus three magnetic field components are recorded; orthogonal pairs yield elements of the tensor impedence of the Earth.

MAGNETRONS [01]
DA December 1, 1974
BT1 Microwave Tubes
BT2 Electron Tubes
BT2 Microwave Equipment
BT3 Electronic Equipment
BT4 Equipment
RT Klystrons
RT RF Systems

MAGNETS [01]
DA December 1, 1974
NT1 Electromagnets
NT2 Beam Bending Magnets
NT2 Beam Focusing Magnets
NT2 Kicker Magnets
NT2 Septum Magnets
NT2 Superconducting Magnets
NT2 Wiggler Magnets
NT1 Permanent Magnets
RT Demagnetization
RT Electromagnetic Lenses
RT Magnet Coils
RT Magnet Cores
RT Magnet Pole Pieces
RT Magnetic Energy Storage Equipment
RT Magnetism

Magnex Process
DA September 4, 1980
USE Hazen Process

MAGNOLIOPHYTA [01]
DA December 20, 1988
UF *Angiosperms*
BT1 Plants
NT1 Liliopsida
NT2 Allium Sativum
NT2 Aloe
NT2 Banana Plants
NT2 Buckwheat
NT2 Cattails
NT2 Coconut Palms
NT2 Gramineae
NT3 Bamboo
NT3 Cereals
NT4 Barley
NT4 Maize
NT4 Millet
NT4 Oats
NT4 Rice
NT4 Rye
NT4 Sorghum
NT4 Wheat
NT3 Reeds
NT4 Sugar Cane
NT2 Lilium
NT2 Oil Palms
NT2 Onions
NT3 Allium Cepa
NT2 Tradescantia
NT2 Trillium
NT2 Water Hyacinths
NT1 Magnoliopsida
NT2 Arabidopsis
NT2 Atropa Belladonna
NT2 Beech Trees
NT2 Beets
NT3 Sugar Beets
NT2 Birches
NT2 Brassica
NT3 Kale
NT2 Buffalo Gourd
NT2 Cacao Trees
NT2 Cacti
NT2 Capsicum
NT2 Carnations
NT2 Carrots
NT2 Cassava
NT2 Chenopodiaceae
NT2 Chestnut Trees
NT2 Citrus
NT2 Coffee Plants
NT2 Coleus
NT2 Corchorus
NT3 Jute
NT2 Cotton Plants
NT2 Crepis
NT2 Cucumbers
NT2 Digitalis
NT2 Eucalyptuses
NT2 Euphorbia
NT3 Castor
NT3 Chinese Tallow Tree
NT3 Hevea
NT3 Milkweed
NT3 Rubber Trees
NT4 Guayule
NT2 Flax Plants
NT2 Jojoba
NT2 Leguminosae
NT3 Alfalfa
NT3 Clover
NT3 Glycine Hispida
NT3 Honeylocust Trees
NT3 Locust Trees
NT3 Mesquite
NT3 Phaseolus
NT3 Pisum
NT3 Vicia
NT3 Vigna
NT2 Lettuce
NT2 Mangroves
NT2 Maples
NT2 Marihuana
NT2 Meadow Foam
NT2 Nicotiana
NT2 Oaks
NT2 Olive Trees
NT2 Papaver Somniferum
NT2 Pecan Trees
NT2 Poplars
NT3 Aspens
NT3 Cottonwoods
NT2 Rabbit Brush
NT2 Radishes

NT2 Ranunculaceae
NT2 Rosaceae
NT2 Solanum
NT3 Solanum Tuberosum
NT2 Spinach
NT2 Sunflowers
NT2 Sweet Gums
NT2 Sycamores
NT2 Tea Plants
NT2 Tumbleweeds
NT2 Willows
NT2 Yams

MAGNOLIOPSIDA [01]
DA December 20, 1988
UF *Dicotyledons*
BT1 Magnoliophyta
BT2 Plants
NT1 Arabidopsis
NT1 Atropa Belladonna
NT1 Beech Trees
NT1 Beets
NT2 Sugar Beets
NT1 Birches
NT1 Brassica
NT2 Kale
NT1 Buffalo Gourd
NT1 Cacao Trees
NT1 Cacti
NT1 Capsicum
NT1 Carnations
NT1 Carrots
NT1 Cassava
NT1 Chenopodiaceae
NT1 Chestnut Trees
NT1 Citrus
NT1 Coffee Plants
NT1 Coleus
NT1 Corchorus
NT2 Jute
NT1 Cotton Plants
NT1 Crepis
NT1 Cucumbers
NT1 Digitalis
NT1 Eucalyptuses
NT1 Euphorbia
NT2 Castor
NT2 Chinese Tallow Tree
NT2 Hevea
NT2 Milkweed
NT2 Rubber Trees
NT3 Guayule
NT1 Flax Plants
NT1 Jojoba
NT1 Leguminosae
NT2 Alfalfa
NT2 Clover
NT2 Glycine Hispida
NT2 Honeylocust Trees
NT2 Locust Trees
NT2 Mesquite
NT2 Phaseolus
NT2 Pisum
NT2 Vicia
NT2 Vigna
NT1 Lettuce
NT1 Mangroves
NT1 Maples
NT1 Marihuana
NT1 Meadow Foam
NT1 Nicotiana
NT1 Oaks
NT1 Olive Trees
NT1 Papaver Somniferum
NT1 Pecan Trees
NT1 Poplars
NT2 Aspens
NT2 Cottonwoods
NT1 Rabbit Brush
NT1 Radishes
NT1 Ranunculaceae
NT1 Rosaceae
NT1 Solanum
NT2 Solanum Tuberosum
NT1 Spinach
NT1 Sunflowers
NT1 Sweet Gums
NT1 Sycamores
NT1 Tea Plants
NT1 Tumbleweeds
NT1 Willows
NT1 Yams

MAGNONS [01]
DA December 1, 1974
BT1 Quasi Particles
RT Spin Waves

MAGNOX [01]
DA December 1, 1974
BT1 Magnesium Base Alloys
BT2 Magnesium Alloys
BT3 Alloys
RT Magnox Type Reactors

MAGNOX TYPE REACTORS [01]
DA May 6, 1975
BT1 GCR Type Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT2 Graphite Moderated Reactors
BT3 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
NT1 Berkeley Reactor
NT1 Bradwell Reactor
NT1 Calder Hall A-1 Reactor
NT1 Calder Hall A-2 Reactor
NT1 Calder Hall B-3 Reactor
NT1 Calder Hall B-4 Reactor
NT1 Chapelcross-1 Reactor
NT1 Chapelcross-2 Reactor
NT1 Chapelcross-3 Reactor
NT1 Chapelcross-4 Reactor
NT1 Dungeness-A Reactor
NT1 Hinkley Point-A Reactor
NT1 Hunterston-A Reactor
NT1 Latina Reactor
NT1 Oldbury-A Reactor
NT1 Sizewell-A Reactor
NT1 Tokai-Mura Reactor
NT1 Trawsfynydd Reactor
NT1 Wylfa Reactor
RT Carbon Dioxide Cooled Reactors
RT Magnox
RT Power Reactors

Mahogany Trees
DA December 1, 1974
USE Trees

MAHOGANY ZONE [01]
DA May 6, 1975
BT1 Colorado
BT2 USA
BT3 Developed Countries
BT3 North America
BT1 Green River Formation
BT2 Geologic Formations
RT Oil Shales

MAIN SEQUENCE STARS [01]
DA December 1, 1974
BT1 Stars
NT1 Carbon Stars
NT1 Sun
NT1 Wolf-Rayet Stars
RT CNO Cycle
RT Hydrogen Burning

MAINE [01]
DA December 1, 1974
BT1 USA
BT2 Developed Countries
BT2 North America
RT Kennebec River
RT US East Coast

MAINE YANKEE REACTOR [01]
(Wiscasset, Maine, USA)
DA December 1, 1974
UF *Atomic Power Company Main Yankee*
UF *Yankee Maine Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

MAINTENANCE [01]
DA December 1, 1974
NT1 Reactor Maintenance
RT Modifications
RT Operation
RT Outages
RT Repair

MAINTENANCE FACILITIES
DA January 9, 1981
UF *Facilities (Maintenance)*
RT Energy Facilities
RT Nuclear Facilities
RT Storage Facilities
RT Terminal Facilities
RT Test Facilities

MAITLANDITE [01]
DA December 1, 1974
BT1 Silicate Minerals
BT2 Minerals
BT1 Thorium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
BT1 Thorium Silicates
BT2 Silicates
BT3 Oxygen Compounds
BT3 Silicon Compounds
BT2 Thorium Compounds
BT3 Actinide Compounds

MAIZE [01]
DA December 1, 1974
UF *Corn (Maize)*
UF *Zea Mays*
UF+ *Corn Stover*
BT1 Cereals
BT2 Gramineae
BT3 Liliopsida
BT4 Magnoliophyta
BT5 Plants
RT Zein

Maize Oil
DA December 1, 1974
USE Corn Oil

MAJORANA THEORY [01]
DA December 1, 1974
RT Binding Energy

Maki Parameter
DA December 1, 1974
USE Ginzburg-Landau Theory

MALAGASY REPUBLIC [01]
DA December 10, 1979
BT1 Madagascar
BT2 Africa
BT2 Developing Countries
BT2 Islands

MALARIA [01]
DA December 1, 1974
BT1 Parasitic Diseases
BT2 Infectious Diseases
BT3 Diseases
RT Hemic Diseases
RT Mosquitoes
RT Plasmodium

MALATHION [01]
DA December 1, 1974
BT1 Carboxylic Acid Esters
BT2 Esters
BT3 Organic Compounds
BT1 Insecticides
BT2 Pesticides
BT1 Organic Phosphorus Compounds
BT2 Organic Compounds
BT1 Thiols
BT2 Organic Sulfur Compounds
BT3 Organic Compounds

MALAWI [01]
DA December 1, 1974
BT1 Africa
BT1 Developing Countries

Malaya
DA December 1, 1974
USE Malaysia

MALAYSIA [01]
DA December 1, 1974
UF *Federation of Malaya*
UF *Malaya*
BT1 Asia
BT1 Developing Countries

MALAYSIAN ORGANIZATIONS [01]
DA December 27, 1984
BT1 National Organizations
NT1 PUSPATI

MALE GENITALS [01]
DA December 1, 1974
UF *Genitals (Male)*
UF *Seminal Vesicles*
BT1 Organs
BT2 Body
NT1 Prostate
NT1 Testes
RT Fertility
RT Gonads
RT Reproduction
RT Sex
RT Urogenital System Diseases

MALEIC ACID [01]
DA December 1, 1974
UF *Maleinic Acid*
BT1 Dicarboxylic Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds

Maleinic Acid
DA December 1, 1974
USE Maleic Acid

MALES [01]
DA December 1, 1974
NT1 Men
RT Animals
RT Sex
RT Sex Dependence

MALFORMATIONS [01]
DA December 1, 1974
UF *Abnormalities (Developmental)*
UF *Hydrocephalus*
UF *Microcephaly*
BT1 Pathological Changes
NT1 Congenital Malformations
NT2 Downs Syndrome

MALI [01]
DA August 24, 1976
BT1 Africa
BT1 Developing Countries

MALIBU-1 REACTOR [01]
DA December 1, 1974
UF *Corral Canyon Nuclear Power Reactor-1*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

MALIC ACID [01]
DA December 1, 1974
UF *Hydroxysuccinic Acid*
BT1 Hydroxy Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds

Malignancies
DA January 30, 1981
USE Neoplasms

Malnutrition
DA December 1, 1974
USE Nutritional Deficiency

MALONIC ACID [01]
DA December 1, 1974
BT1 Dicarboxylic Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds

MALTA [01]
DA December 10, 1979
BT1 Europe
BT1 Islands
RT Mediterranean Sea

MALTOSE [01]
DA December 1, 1974
BT1 Disaccharides
BT2 Oligosaccharides
BT3 Saccharides
BT4 Carbohydrates
BT5 Organic Compounds

MAMMALS [01]
DA December 1, 1974
BT1 Vertebrates
BT2 Animals
NT1 Bats
NT1 Bears
NT1 Burros
NT1 Cats
NT1 Cetaceans
NT1 Coyotes
NT1 Dogs
NT2 Beagles
NT1 Foxes
NT1 Horses
NT1 Manatees
NT1 Marsupials
NT1 Otters
NT1 Pinnipeds
NT1 Primates
NT2 Apes
NT2 Man
NT3 Men
NT3 Personnel
NT4 Astronauts
NT4 Aviation Personnel
NT4 Builders
NT4 Clerical Personnel
NT4 Contractor Personnel
NT4 Craftsmen
NT4 Dial Painters
NT4 Medical Personnel
NT5 Radiological Personnel
NT4 Military Personnel
NT4 Miners
NT5 Coal Miners
NT4 Motor Vehicle Operators
NT4 Professional Personnel
NT5 Architects
NT5 Consultants
NT5 Engineers
NT5 Scientific Personnel
NT4 Reactor Operators
NT4 Security Personnel
NT3 Women
NT2 Monkeys
NT3 Baboons
NT3 Macacus
NT1 Rabbits
NT1 Rodents
NT2 Chipmunks
NT2 Gerbils
NT2 Guinea Pigs
NT2 Hamsters
NT2 Mice
NT3 Transgenic Mice
NT2 Pikas
NT2 Prairie Dogs
NT2 Rats
NT2 Shrews
NT2 Squirrels
NT2 Voles
NT1 Ruminants
NT2 Antelopes
NT2 Buffalo
NT2 Camels
NT2 Cattle
NT3 Calves
NT3 Cows
NT2 Deer
NT2 Goats
NT2 Llamas
NT2 Sheep
NT1 Swine
NT2 Miniature Swine
NT1 Wolves

MAMMARY GLANDS [01]
DA December 1, 1974
UF *Breasts*
BT1 Glands
BT2 Organs
BT3 Body
RT Chest
RT Lactation
RT LTH
RT Milk

MAN [01]
(All of mankind, of any age or of either sex.)
DA December 1, 1974
BT1 Primates
BT2 Mammals
BT3 Vertebrates
BT4 Animals
NT1 Men
NT1 Personnel
NT2 Astronauts
NT2 Aviation Personnel
NT2 Builders
NT2 Clerical Personnel
NT2 Contractor Personnel
NT2 Craftsmen
NT2 Dial Painters
NT2 Medical Personnel
NT3 Radiological Personnel
NT2 Military Personnel
NT2 Miners
NT3 Coal Miners
NT2 Motor Vehicle Operators
NT2 Professional Personnel
NT3 Architects
NT3 Consultants
NT3 Engineers
NT3 Scientific Personnel
NT2 Reactor Operators
NT2 Security Personnel
NT1 Women
RT Adults
RT Age Groups
RT Anthropology
RT Human Populations
RT Patients
RT Reference Man

MAN-MACHINE SYSTEMS [01]
DA June 7, 1982
RT Automation
RT Communications
RT Control Rooms
RT Control Systems
RT Cybernetics
RT Display Devices
RT Human Factors Engineering
RT Personnel
RT Remote Handling
DEF Functionally interactive unit for exchange of information between man and machine.

MANAGEMENT [01]
DA December 1, 1974
UF *Administration*
NT1 Data Base Management
NT1 Energy Management
NT1 Load Management
NT1 Nuclear Materials Management
NT1 Personnel Management
NT1 Program Management
NT2 Contract Management
NT1 Property Management
NT1 Records Management
NT1 Resource Management
NT1 Waste Management
NT2 Nonradioactive Waste Management
NT3 Nonradioactive Waste Disposal
NT2 Radioactive Waste Management
NT3 Radioactive Waste Disposal

NT3 Radioactive Waste Processing
NT4 Aralex Process
NT4 Harvest Process
NT4 Iodox Process
NT4 MEDEC Process
NT4 OPIX Process
NT4 SYNROC Process
NT3 Radioactive Waste Storage
NT4 Monitored Retrievable Storage
NT2 Waste Disposal
NT3 Ground Disposal
NT3 Ground Release
NT3 Marine Disposal
NT3 Radioactive Waste Disposal
NT3 Sanitary Landfills
NT3 Stack Disposal
NT3 Underground Disposal
NT2 Waste Processing
NT3 Activated Sludge Process
NT3 Anaerobic Digestion
NT4 BIOGAS Process
NT3 Bailie Process
NT3 Black Clawson System
NT3 Caloricon Process
NT3 CITREX Process
NT3 Composting
NT3 CYAM Process
NT3 Destrugas Process
NT3 Flame Chamber Process
NT3 Fluidized Bed Refuse Gasification
NT3 Hichlor Process
NT3 Landgard Pyrolysis System
NT3 Lime-Soda Sinter Process
NT3 Materials Recovery
NT3 Molten Salt Waste Gasification Process
NT3 Occidental Flash Pyrolysis Process
NT3 Purox Pyrolysis Process
NT3 Radioactive Waste Processing
NT4 Aralex Process
NT4 Harvest Process
NT4 Iodox Process
NT4 MEDEC Process
NT4 OPIX Process
NT4 SYNROC Process
NT3 Slagging Pyrolysis Process
NT3 Steam Stripping
NT3 Syngas Process
NT3 UNISULF Process
NT3 Wet Oxidation Processes
NT2 Waste Retrieval
NT2 Waste Storage
NT3 Radioactive Waste Storage
NT4 Monitored Retrievable Storage
NT2 Waste Transportation
RT Accounting
RT Allocations
RT Audits
RT Delphi Method
RT Forecasting
RT Labor Relations
RT Operations Research
RT Organizational Models
RT Personnel
RT Public Relations
RT Rangelands
RT Regional Cooperation
RT Senior Executive Service
RT Time Delay

MANATEES [01]
DA March 29, 1979
BT1 Aquatic Organisms
BT1 Mammals
BT2 Vertebrates
BT3 Animals

MANAURITE 36X
DA August 9, 1979
BT1 Chromium Alloys
BT2 Alloys
BT1 Iron Alloys
BT2 Alloys
BT1 Manganese Alloys
BT2 Alloys
BT1 Nickel Alloys
BT2 Alloys
BT1 Niobium Alloys
BT2 Alloys
BT1 Silicon Alloys
BT2 Alloys

MANAURITE 900
DA August 9, 1979
BT1 Chromium Alloys
BT2 Alloys
BT1 Iron Alloys
BT2 Alloys
BT1 Manganese Alloys
BT2 Alloys
BT1 Nickel Alloys
BT2 Alloys
BT1 Niobium Alloys
BT2 Alloys
BT1 Silicon Alloys
BT2 Alloys

→**MANCHE PLANT [01]**
DA July 6, 1993
BT1 Radioactive Waste Facilities
BT2 Nuclear Facilities
RT Radioactive Waste Disposal

Manchester Liverpool University Research Reactor
DA December 1, 1974
USE URR Reactor

MANCHURIA [01]
DA January 21, 1975
BT1 China
BT2 Asia

MANDELIC ACID [01]
DA December 1, 1974
UF *Amygdalic Acid*
BT1 Hydroxy Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds

MANDELSTAM REPRESENTATION [01]
DA December 1, 1974
RT Dispersion Relations
RT Khuri Representation
RT S Channel
RT T Channel
RT U Channel

MANDREL OPERATION
DA November 23, 1979
BT1 Nuclear Explosions
BT2 Explosions
BT1 Underground Explosions
BT2 Explosions
NT1 Calabash Event
NT1 Handley Event
NT1 Hutch Event
NT1 Jorum Event
NT1 Milrow Event
NT1 Rulison Event
RT Contained Explosions

MANGANATES [01]
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
DA December 1, 1974
BT1 Manganese Compounds
BT2 Transition Element Compounds
BT1 Oxygen Compounds
RT Manganese Oxides

MANGANESE [01]
DA December 1, 1974
BT1 Transition Elements
BT2 Metals
BT3 Elements
NT1 Manganese-Alpha
NT1 Manganese-Beta
NT1 Manganese-Gamma
NT1 Manganese-Sigma

MANGANESE 44 [01]
DA December 1, 1974
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Manganese Isotopes
BT2 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

MANGANESE 46 [01]
DA December 1, 1974
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Manganese Isotopes
BT2 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

MANGANESE 47 [01]
DA December 1, 1974
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Manganese Isotopes
BT2 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

MANGANESE 48 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Manganese Isotopes
BT2 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

MANGANESE 49 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Manganese Isotopes
BT2 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

MANGANESE 50 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Manganese Isotopes
BT2 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

MANGANESE 51 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Manganese Isotopes
BT2 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BT1 Odd-Even Nuclei
BT2 Nuclei

MANGANESE 51 TARGET [01]
DA July 9, 1976
BT1 Targets

MANGANESE 52 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Manganese Isotopes
BT2 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

MANGANESE 52 TARGET [01]
DA June 6, 1979
BT1 Targets

MANGANESE 53 [01]
DA December 1, 1974
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Manganese Isotopes
BT2 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

MANGANESE 53 TARGET [01]
DA July 9, 1976
BT1 Targets

MANGANESE 54 [01]
DA December 1, 1974
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Manganese Isotopes
BT2 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

MANGANESE 54 TARGET [01]
DA April 12, 1977
BT1 Targets

MANGANESE 55 [01]
DA December 1, 1974
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Manganese Isotopes
BT2 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

MANGANESE 55 REACTIONS [01]
DA November 29, 1984
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

MANGANESE 55 TARGET [01]
DA July 9, 1976
BT1 Targets

MANGANESE 56 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Manganese Isotopes
BT2 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

MANGANESE 57 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Manganese Isotopes
BT2 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

MANGANESE 58 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Manganese Isotopes
BT2 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

MANGANESE 59 [01]
DA September 15, 1976
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Manganese Isotopes
BT2 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

MANGANESE 60 [01]
DA April 6, 1978
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Manganese Isotopes
BT2 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

MANGANESE 61 [01]
DA November 24, 1980
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Manganese Isotopes
BT2 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

MANGANESE 62 [01]
DA June 7, 1982
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Manganese Isotopes
BT2 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

MANGANESE 63 [01]
DA February 21, 1986
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Manganese Isotopes
BT2 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

MANGANESE 64 [01]
DA September 5, 1986
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Manganese Isotopes
BT2 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

MANGANESE 65 [01]
DA September 5, 1986
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Manganese Isotopes
BT2 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

MANGANESE ADDITIONS [01]
DA December 1, 1974
BT1 Manganese Alloys
BT2 Alloys
NT1 Alloy-Al95Cu4
NT2 Duralumin
NT1 Alloy-Fe40Ni35Cr22
NT1 Alloy-Fe53Ni29Co18
NT1 Alloy-HS-31
NT1 Alloy-N28T3
NT1 Alloy-Ni56Cr21W10Mo5Fe4Al2
NT1 Alloy-Ni66Cu32
NT2 Monel 400
NT1 Alloy-Ni78Cr21
NT1 Alloy-V-36
NT1 Ascoloy
NT1 Bondur
NT1 Discaloy
NT1 Duralumin
NT1 Duranickel
NT1 Duriron

NT1 Kovar
NT1 Magnesium Alloy-AZ31B
NT1 Miduale
NT1 Ni-Hard
NT1 Steel Kh16N9M2

MANGANESE ALLOYS [01]
DA December 1, 1974
BT1 Alloys
NT1 Alloy-Co43Cr20Fe18Ni13W3
NT2 HAVAR
NT1 Alloy-Fe36Ni33Cr26
NT1 Alloy-Mo-Re-1
NT1 Alloy-Ni73Cr20Mn3Nb3
NT2 Inconel 82
NT1 Alloy-Ni94Mn3Al2
NT2 Alumel
NT1 Alloy-RA-333
NT1 Alloy-S-816
NT1 Alumel
NT1 HAVAR
NT1 Heusler Alloys
NT1 Manaurite 36X
NT1 Manaurite 900
* NT1 Manganese Additions
NT1 Manganese Base Alloys
NT1 Manganese Steels
NT2 Steel VNT
NT1 Manganin
NT1 Stainless Steel-ZCND17-13
NT1 Steel-40K14G18F
NT1 Steel-Cr13Mn8Ni8
NT1 Steel-Cr17Mn15NNi
NT2 Tenelon
NT1 Steel-Cr21Mn9Ni6
NT2 Stainless Steel-21-6-9
NT1 Steel-MnCuMo
NT2 Steel-ASTM-A537
NT1 Steel-MnMo
NT2 Steel-ASTM-A302
NT1 Steel-MnNiMo
NT1 Steel-MnNiMoV

MANGANESE-ALPHA [01]
DA December 1, 1974
BT1 Manganese
BT2 Transition Elements
BT3 Metals
BT4 Elements

MANGANESE ARSENIDES [01]
DA December 16, 1976
BT1 Arsenides
BT2 Arsenic Compounds
BT2 Pnictides
BT1 Manganese Compounds
BT2 Transition Element Compounds

MANGANESE BASE ALLOYS [01]
DA December 1, 1974
BT1 Manganese Alloys
BT2 Alloys

MANGANESE-BETA [01]
DA December 1, 1974
BT1 Manganese
BT2 Transition Elements
BT3 Metals
BT4 Elements

MANGANESE BORIDES [01]
DA December 1, 1974
BT1 Borides
BT2 Boron Compounds
BT1 Manganese Compounds
BT2 Transition Element Compounds

MANGANESE BROMIDES [01]
DA December 1, 1974
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Manganese Halides
BT2 Halides
BT3 Halogen Compounds
BT2 Manganese Compounds
BT3 Transition Element Compounds

MANGANESE CARBIDES [01]
DA December 1, 1974
BT1 Carbides
BT2 Carbon Compounds
BT1 Manganese Compounds
BT2 Transition Element Compounds

MANGANESE CARBONATES [01]
DA December 1, 1974
BT1 Carbonates
BT2 Carbon Compounds
BT2 Oxygen Compounds
BT1 Manganese Compounds
BT2 Transition Element Compounds
NT1 Ankerite
RT Carbonate Minerals

MANGANESE CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Manganese Halides
BT2 Halides
BT3 Halogen Compounds
BT2 Manganese Compounds
BT3 Transition Element Compounds

MANGANESE COMPLEXES [01]
DA December 1, 1974
BT1 Transition Element Complexes
BT2 Complexes

MANGANESE COMPOUNDS [01]
DA December 1, 1974
BT1 Transition Element Compounds
NT1 Manganates
NT1 Manganese Arsenides
NT1 Manganese Borides
NT1 Manganese Carbides
NT1 Manganese Carbonates
NT2 Ankerite
NT1 Manganese Halides
NT2 Manganese Bromides
NT2 Manganese Chlorides
NT2 Manganese Fluorides
NT2 Manganese Iodides
NT1 Manganese Hydrides
NT1 Manganese Hydroxides
NT1 Manganese Nitrates
NT1 Manganese Nitrides
NT1 Manganese Oxides
NT1 Manganese Perchlorates
NT1 Manganese Phosphates
NT1 Manganese Phosphides
NT1 Manganese Selenides
NT1 Manganese Silicates
NT2 Helvite
NT1 Manganese Silicides
NT1 Manganese Sulfates
NT1 Manganese Sulfides
NT1 Manganese Tellurides
NT1 Manganese Tungstates
NT1 Permanganates
NT2 Potassium Permanganates

MANGANESE FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Manganese Halides
BT2 Halides
BT3 Halogen Compounds
BT2 Manganese Compounds
BT3 Transition Element Compounds

MANGANESE-GAMMA [01]
DA December 1, 1974
BT1 Manganese
BT2 Transition Elements
BT3 Metals
BT4 Elements

MANGANESE HALIDES [01]
DA July 29, 1975
BT1 Halides
BT2 Halogen Compounds
BT1 Manganese Compounds
BT2 Transition Element Compounds
NT1 Manganese Bromides
NT1 Manganese Chlorides
NT1 Manganese Fluorides
NT1 Manganese Iodides

MANGANESE HYDRIDES [01]
DA April 19, 1976
BT1 Hydrides
BT2 Hydrogen Compounds
BT1 Manganese Compounds
BT2 Transition Element Compounds

MANGANESE HYDROXIDES [01]
DA December 1, 1974
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds
BT1 Manganese Compounds
BT2 Transition Element Compounds

MANGANESE IODIDES [01]
DA December 1, 1974
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds
BT1 Manganese Halides
BT2 Halides
BT3 Halogen Compounds
BT2 Manganese Compounds
BT3 Transition Element Compounds

MANGANESE IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

MANGANESE ISOTOPES [01]
DA December 1, 1974
BT1 Isotopes
NT1 Manganese 44
NT1 Manganese 46
NT1 Manganese 47
NT1 Manganese 48
NT1 Manganese 49
NT1 Manganese 50
NT1 Manganese 51
NT1 Manganese 52
NT1 Manganese 53
NT1 Manganese 54
NT1 Manganese 55
NT1 Manganese 56
NT1 Manganese 57
NT1 Manganese 58
NT1 Manganese 59
NT1 Manganese 60
NT1 Manganese 61
NT1 Manganese 62
NT1 Manganese 63
NT1 Manganese 64
NT1 Manganese 65

MANGANESE NITRATES [01]
DA December 1, 1974
BT1 Manganese Compounds
BT2 Transition Element Compounds
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds

MANGANESE NITRIDES [01]
DA December 1, 1974
BT1 Manganese Compounds
BT2 Transition Element Compounds
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides

Manganese Nodules
DA June 30, 1975
USE Manganese Ores

MANGANESE ORES [01]
DA December 1, 1974
UF *Manganese Nodules*
BT1 Ores

MANGANESE OXIDES [01]
DA December 1, 1974

BT1 Manganese Compounds
BT2 Transition Element Compounds
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds
RT Manganates
RT Oxide Minerals
RT Permanganates
RT Tantalite

MANGANESE PERCHLORATES [01]
DA January 21, 1975
BT1 Manganese Compounds
BT2 Transition Element Compounds
BT1 Perchlorates
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Oxygen Compounds

MANGANESE PHOSPHATES [01]
DA December 1, 1974
BT1 Manganese Compounds
BT2 Transition Element Compounds
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds

MANGANESE PHOSPHIDES [01]
DA March 11, 1976
BT1 Manganese Compounds
BT2 Transition Element Compounds
BT1 Phosphides
BT2 Phosphorus Compounds
BT2 Pnictides

MANGANESE SELENIDES [01]
DA November 14, 1978
BT1 Manganese Compounds
BT2 Transition Element Compounds
BT1 Selenides
BT2 Chalcogenides
BT2 Selenium Compounds

MANGANESE-SIGMA [01]
DA December 1, 1974
BT1 Manganese
BT2 Transition Elements
BT3 Metals
BT4 Elements

MANGANESE SILICATES [01]
DA December 1 1974
BT1 Manganese Compounds
BT2 Transition Element Compounds
BT1 Silicates
BT2 Oxygen Compounds
BT2 Silicon Compounds
NT1 Helvite
RT Silicate Minerals

MANGANESE SILICIDES [01]
DA July 7, 1976
BT1 Manganese Compounds
BT2 Transition Element Compounds
BT1 Silicides
BT2 Silicon Compounds

MANGANESE STEELS
DA November 8, 1982
UF *Steel-20M5*
BT1 Manganese Alloys
BT2 Alloys
BT1 Steels
BT2 Iron Base Alloys
BT3 Iron Alloys
BT4 Alloys
NT1 Steel VNT

MANGANESE SULFATES [01]
DA December 1, 1974
BT1 Manganese Compounds
BT2 Transition Element Compounds
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds

MANGANESE SULFIDES [01]
DA December 1, 1974
BT1 Manganese Compounds
BT2 Transition Element Compounds
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds

MANGANESE TELLURIDES [01]
DA January 21, 1975
BT1 Manganese Compounds
BT2 Transition Element Compounds
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds

MANGANESE TUNGSTATES [01]
DA October 23, 1979
BT1 Manganese Compounds
BT2 Transition Element Compounds
BT1 Tungstates

MANGANIN [01]
DA December 1, 1974
BT1 Copper Base Alloys
BT2 Copper Alloys
BT3 Alloys
BT1 Manganese Alloys
BT2 Alloys
BT1 Nickel Alloys
BT2 Alloys

MANGOES [01]
DA December 1, 1974
BT1 Fruits
BT2 Food

MANGROVES [01]
DA November 28, 1975
BT1 Magnoliopsida
BT2 Magnoliophyta
BT3 Plants
BT1 Trees
BT2 Plants

MANHATTAN PROJECT [01]
DA December 1, 1974
RT Nuclear Weapons

MANIAC COMPUTERS [01]
DA December 1, 1974
BT1 Computers

Manioc
DA November 14, 1978
USE Cassava

MANIPULATORS [01]
DA December 1, 1974
BT1 Laboratory Equipment
BT2 Equipment
BT1 Remote Handling Equipment
BT2 Materials Handling Equipment
BT3 Equipment
RT Distance
RT Hands
RT Hot Cells
RT Hot Labs
RT Remote Handling
RT Shielding
RT Underwater Facilities
RT Underwater Operations

MANITOBA [01]
DA December 1, 1974
BT1 Canada
BT2 Developed Countries
BT2 North America
RT Williston Basin

Mannomustine
DA December 1, 1974
USE Alkylating Agents

MANNOSE [01]
DA December 1, 1974
BT1 Aldehydes
BT2 Organic Compounds
BT1 Hexoses
BT2 Monosaccharides
BT3 Saccharides
BT4 Carbohydrates
BT5 Organic Compounds

Manometers
DA December 1, 1974
USE Pressure Gages

MANPOWER
DA January 23, 1976
RT Craftsmen
RT Employment
RT Labor
RT Occupations
RT Training

MANUALS [01]
(Should be used to index all pieces of literature which are manuals.)
DA December 1, 1974
UF *Handbooks*
BT1 Document Types
RT Computer Program Documentation
RT Education
RT Information
RT Recommendations

Manufactured Buildings
DA January 7, 1982
USE Prefabricated Buildings

MANUFACTURERS [01]
DA November 14, 1978
RT Commercialization
RT Industry

MANUFACTURING [01]
DA October 13, 1976
NT1 Computer-Aided Manufacturing
RT Fabrication
RT Industry
RT Machinery
RT Production

Manufacturing Facilities
DA January 9, 1981
USE Industrial Plants

MANURES [01]
DA May 5, 1975
BT1 Agricultural Wastes
BT2 Organic Wastes
BT3 Wastes
BT1 Biological Wastes
BT2 Biological Materials
BT3 Materials
BT2 Wastes

MANY-BODY PROBLEM [01]
DA December 1, 1974
NT1 Four-Body Problem
NT1 Three-Body Problem
NT1 Two-Body Problem
RT Bethe-Goldstone Equation
RT FSC Approximation
RT Goldstone Diagrams
RT Martin-Schwinger Theory
RT Mean-Field Theory
RT Multiple Scattering
RT Percus-Yevick Equation
RT Quasi Particles
RT Unitary Pole Approximation
RT Van Hove-Hugenholtz Theory
RT Wick Theorem

MANY-DIMENSIONAL CALCULATIONS [01]
(More than four dimensions.)
DA December 1, 1974
UF *Calculations (Many Dimensions)*
RT Four-Dimensional Calculations
RT Mathematics
RT Three-Dimensional Calculations
RT Two-Dimensional Calculations

MANY-NUCLEON TRANSFER REACTIONS [01]
(More than four nucleons transfered.)
DA December 1, 1974
BT1 Multi-Nucleon Transfer Reactions
BT2 Transfer Reactions
BT3 Direct Reactions
BT4 Nuclear Reactions

MAPLE REACTOR [01]
(Multipurpose Applied Physics Lattice Experimental Reactor)
DA January 3, 1986

BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Research and Test Reactors
BT2 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors

→**MAPLE TYPE REACTORS [01]**
(Multipurpose Applied Physics Lattice Experimental Reactor. Prior to June 1992, this information was indexed by MAPLE REACTOR.)
DA June 22, 1992
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Research and Test Reactors
BT2 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors

MAPLES [01]
DA March 27, 1979
BT1 Magnoliopsida
BT2 Magnoliophyta
BT3 Plants
BT1 Trees
BT2 Plants

MAPPING [01]
DA October 23, 1978
NT1 Genetic Mapping
NT1 Topological Mapping
NT2 Conformal Mapping
RT Geometry
RT Maps

Mapping (Topological)
DA December 1, 1974
USE Topological Mapping

MAPPING FIBRATION [01]
DA December 1, 1974
UF *Fibration (Topological Maps)*
RT Differential Topology
RT Topological Mapping

MAPS [01]
DA December 1, 1974
RT Diagrams
RT Mapping
RT Topography

Mar-250 Alloy
DA March 5, 1979
USE Maraging Steels

MAR-M509 ALLOYS
DA January 30, 1979
UF *XC-224*
UF *XC-224Fe*
BT1 Cobalt Base Alloys
BT2 Cobalt Alloys
BT3 Alloys

MARAGING STEELS [01]
DA March 5, 1979
UF *Mar-250 Alloy*
BT1 Martensitic Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
RT Martensite
DEF Low carbon-iron base steels with 18 to 25% nickel. Structure is age-hardened martensite.

MARBLE
DA October 28, 1975
BT1 Metamorphic Rocks
BT2 Rocks
RT Calcium Carbonates

MARBLE HILL-1 REACTOR [01]
(Jefferson, Indiana, USA)
DA November 28, 1975
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

MARBLE HILL-2 REACTOR [01]
(Jefferson, Indiana, USA)
DA November 28, 1975
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

MARCASITE [01]
DA March 28, 1979
BT1 Sulfide Minerals
BT2 Minerals
RT Iron Sulfides
RT Pyrite
DEF FeS_2, orthorhombic, hardness 6, specific gravity 4.8, pale brass-yellow color.

Marcoule (CEA)
DA December 1, 1974
USE CEA Marcoule

Marcoule G-1 Reactor
DA December 1, 1974
USE G-1 Reactor

Marcoule G-2 Reactor
DA December 1, 1974
USE G-2 Reactor

Marcoule G-3 Reactor
DA December 1, 1974
USE G-3 Reactor

Marcoule Phenix Reactor
DA December 1, 1974
USE Phenix Reactor

→**MARFE [01]**
DA June 1, 1990
RT Plasma Confinement
RT Plasma Instability
RT Plasma Sheath
RT Stellarators
RT Tokamak Devices
DEF Multifaceted Asymmetric Radiation From the Edge is the result of a radiative thermal instability caused by light impurities in a peripheral plasma.

MARGINAL-COST PRICING
DA April 6, 1978
BT1 Prices
RT Electric Power
RT Incremental-Cost Pricing
RT Load Management
RT Public Utilities
RT Rate Structure
RT Rolled-In Pricing
DEF Pricing based on addition to total cost incurred by the producer in providing one or more units.

Margins
DA May 3, 1979
USE Profits

MARIA REACTOR [01]
(Institute of Nuclear Research, Swierk, Poland)
DA December 1, 1974
UF *Swierk Maria Reactor*
BT1 Beryllium Moderated Reactors
BT2 Metal Moderated Reactors
BT3 Reactors
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research and Test Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

MARIANA ISLANDS [01]
DA December 17, 1979
BT1 Trust Territory of the Pacific Islands
BT2 Islands
BT2 USA
BT3 Developed Countries
BT3 North America
NT1 Guam

Mariculture
DA March 22, 1976
USE Aquaculture

MARIGNACITE [01]
DA December 1, 1974
BT1 Niobium Oxides
BT2 Niobium Compounds
BT3 Refractory Metal Compounds
BT3 Transition Element Compounds
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT1 Oxide Minerals
BT2 Minerals
BT1 Titanium Oxides
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT2 Titanium Compounds
BT3 Transition Element Compounds
BT1 Zirconium Oxides
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT2 Zirconium Compounds
BT3 Transition Element Compounds

MARIHUANA [01]
DA May 18, 1981
UF *Marijuana*
BT1 Herbs
BT2 Plants
BT1 Magnoliopsida
BT2 Magnoliophyta
BT3 Plants
RT Hallucinogens

Marijuana
DA May 18, 1981
USE Marihuana

MARINAS [01]
DA November 9, 1977
RT Harbors
RT Inland Waterways
RT Seas

MARINE DISPOSAL [01]
DA December 1, 1974
UF *Sea Disposal*
BT1 Waste Disposal
BT2 Waste Management
BT3 Management
RT LCPMPDPW
RT OECD MCMSDRW
RT Radioactive Waste Disposal

Marine Ecosystems
DA December 1, 1974
USE Aquatic Ecosystems

Marine Insurance
DA December 1, 1974
USE Insurance

MARINE RISERS
DA April 12, 1977
UF *Drilling Risers*
UF *Production Risers*
BT1 Pipes
RT Offshore Drilling
RT Offshore Platforms
DEF A pipe through which fluid travels in an upward direction. On an offshore operation the term refers to a large diameter pipe which extends from the blowout preventer stack on the sea floor to under the derrick floor of an offshore platform or to a large diameter pipe or flowline carrying gas or oil.

MARINE SURVEYS
DA November 17, 1976
UF *Offshore Surveys*
BT1 Surveys
RT Geochemical Surveys
RT Geophysical Surveys

Marine Vehicle Accidents
DA December 1, 1974
USE Accidents

MARINER SPACE PROBES [01]
DA December 1, 1974
BT1 Space Vehicles
BT2 Vehicles

Maritime Carriage Liability Conv Brussels 1971
DA December 1, 1974
USE BCOCLMCNM

MARITIME LAWS [01]
DA December 1, 1974
BT1 Laws
RT Maritime Transport
RT Nuclear Ship Visits
RT Territorial Waters
RT Transport Regulations

MARITIME TRANSPORT [01]
DA October 20, 1977
BT1 Transport
RT Maritime Laws
RT Tanker Ships

MARIUS REACTOR [01]
(CEA/CEN, Cadarache, St. Paul Lez Durance, France.)
DA December 1, 1974
UF *Cadarache Reactor Marius*
BT1 Graphite Moderated Reactors
BT2 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

Mark V Synchrotron
DA December 1, 1974
USE MURA Synchrotron

MARKARIAN GALAXIES [01]
DA January 21, 1975
BT1 Galaxies
RT Cosmic Radio Sources
DEF Galaxies distinguished by an abnormally strong ultraviolet continuum believed to be of a nonthermal nature, increasing the probability that these galaxies will be detectable as radio sources.

MARKET [01]
DA December 1, 1974
UF+ *Market Shares*
NT1 Spot Market
RT Business
RT Cartels
RT Commercial Sector
RT Commercialization
RT Cooperatives
RT Domestic Supplies
RT Economics
RT Expenditures
RT Forecasting
RT Gross Domestic Product
RT Gross National Product
RT Marketers
RT Marketing
RT Marketing Research
RT Monopolies
RT Resellers
RT Retailers
RT Small Businesses
RT Supply and Demand
RT Trade
DEF The chance to buy or sell.

Market Life
DA December 1, 1974
USE Storage Life

Market Penetration
DA January 23, 1978
USE Marketing Research

Market Shares
DA May 3, 1979
USE Competition
AND Market

MARKETERS [01]
DA October 3, 1979
UF *Buyers*
UF *Dealers*
UF *Nonbranded Independent Marketers*
UF *Refiner-Marketers*
UF *Sellers*
NT1 Resellers
NT1 Retailers
NT2 Gasoline Service Stations
RT Commercial Sector
RT Competition
RT Industry
RT Market

MARKETING [01]
DA November 23, 1979
NT1 Marketing Research
RT Advertising
RT Antitrust Laws
RT Market
RT Petroleum Marketing Practices Act
RT Retailers
RT Sales
DEF The aggregate of functions involved in moving goods from producer to consumer.

MARKETING RESEARCH
DA January 23, 1978
UF *Market Penetration*
BT1 Marketing
RT Commercialization
RT Economics
RT Forecasting
RT Market
RT Mission Analysis
RT Surveys
DEF Research conducted to establish the extent and location of a market or to analyze the cost of products and processes as compared with that of alternative or competitive products or processes.

MARKOV PROCESS [01]
DA December 1, 1974
BT1 Stochastic Processes
RT Failure Mode Analysis
RT Kolmogorov Equation

MARLEX [01]
DA December 1, 1974
BT1 Polyethylenes
BT2 Polyolefins
BT3 Organic Polymers
BT4 Organic Compounds
BT4 Polymers

Marlite
DA July 7, 1976
USE Marlstone

MARLSTONE
DA July 7, 1976
UF *Marlite*
RT Calcium Carbonates
RT Clays
DEF An indurated mixture of clay materials and Ca carbonate (rarely dolomite) usually containing from 25 to 75% clays.

MARMARA SEA [01]
DA December 1, 1974
UF *Marmora Sea*
UF *Sea of Marmara*
BT1 Seas
BT2 Surface Waters
RT Turkey

Marmen Effect
DA January 28, 1975
USE Shape Memory Effect

Marmora Sea
DA May 17, 1976
USE Marmara Sea

MARS PLANET [01]
DA December 1, 1974
BT1 Planets

MARS REACTOR
DA May 21, 1983
UF *Mirror Advanced Reactor Study*
BT1 Magnetic Mirror Type Reactors
BT2 Thermonuclear Reactors
RT MINIMARS Reactor
DEF MARS is a major design study undertaken by LLL of a 1200 MW(e) commercial tandem mirror reactor.

MARS SPACE PROBES [01]
DA April 28, 1978
BT1 Space Vehicles
BT2 Vehicles
RT Space Flight

Marsh Event
DA June 21, 1977
USE Anvil Project

MARSHAK BOUNDARY CONDITIONS [01]
DA December 1, 1974
UF+ *Marshak Conditions*
BT1 Boundary Conditions
RT Angular Distribution
RT Milne Problem
RT Spherical Harmonics Method

Marshak Conditions
DA December 1, 1974
USE Marshak Boundary Conditions
AND Martin-Schwinger Theory

MARSHALL ISLANDS [01]
DA December 1, 1974
BT1 Micronesia
BT2 Islands
BT2 Oceania
NT1 Bikini
NT1 Eniwetok
RT Nuclear Explosions
RT Pacific Ocean

MARSHES [01]
DA July 7, 1976
BT1 Wetlands
BT2 Aquatic Ecosystems
BT3 Ecosystems
RT Cattails
RT Surface Waters
RT Swamps
DEF Transitional land-water area, covered at least part of the time by estuarine or coastal waters and characterized by aquatic and grasslike vegetation.

MARSUPIALS [01]
DA December 1, 1974
UF *Kangaroos*
UF *Opossum*
UF *Potorous*
UF *Rat Kangaroos*
BT1 Mammals
BT2 Vertebrates
BT3 Animals

MARTENSITE [01]
DA December 1, 1974
BT1 Carbon Additions
BT2 Alloys
BT1 Iron Alloys
BT2 Alloys
RT Austenite
RT Bainite
RT Cementite
RT Ferrite
RT Iron-Alpha
RT Iron-Beta
RT Maraging Steels
RT Martensitic Steels
RT Steels

MARTENSITIC STEELS [01]
DA November 6, 1989
BT1 Steels
BT2 Iron Base Alloys
BT3 Iron Alloys
BT4 Alloys
NT1 Maraging Steels
NT1 Steel-Cr10Mo2
NT1 Steel-Cr12
NT2 Stainless Steel-403
NT1 Steel-Cr12MoV
NT2 Alloy-HT-9
NT1 Steel-Cr13
NT2 Stainless Steel-410
NT1 Steel-Cr16Ni
NT2 Stainless Steel-431
NT1 Steel-Cr17Cu4Ni4Nb-L
NT1 Steel-Cr17Mo
NT2 Stainless Steel-440
NT1 Steel-Cr18
RT Martensite

Martin-Puff-Schwinger Theory
DA December 1, 1974
USE Martin-Schwinger Theory

MARTIN-SCHWINGER THEORY [01]
DA December 1, 1974
UF *Martin-Puff-Schwinger Theory*
UF+ *Marshak Conditions*
RT Many-Body Problem

MARTINIQUE [01]
DA August 12, 1980
BT1 Lesser Antilles
BT2 West Indies
BT3 Islands

MARVEL EVENT [01]
DA December 1, 1974
BT1 Plowshare Project

MARVIKEN REACTOR [01]
DA December 1, 1974
BT1 BHWR Type Reactors
BT2 Heavy Water Cooled Reactors
BT3 Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Power Reactors
BT2 Reactors

MARX GENERATORS [01]
DA August 22, 1985
BT1 Power Supplies
BT2 Electronic Equipment
BT3 Equipment
DEF A pulsed power device to charge capacitors in parallel and discharge them quickly in series to produce high voltage, high power pulses used in light ion fusion and in some laser fusion systems.

MARY KATHLEEN MINES [01]
DA December 1, 1974
BT1 Uranium Mines
BT2 Mines
BT3 Underground Facilities
RT Australia

MARYLA REACTOR [01]
(Institute of Nuclear Research, Academy of Mining and Metallurgy, Cracow, Poland.)
DA December 1, 1974
UF *Polish Government Maryla Reactor*
UF *Swierk Research Reactor Maryla*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

MARYLAND [01]
DA December 1, 1974
BT1 USA
BT2 Developed Countries
BT2 North America
RT Chesapeake Bay
RT Douglas Point Site
RT Potomac River
RT Potomac River Basin
RT Susquehanna River
RT US East Coast

MASERS [01]
(Microwave Amplification by Stimulated Emission of Radiation.)
DA January 21, 1975
SF *Stimulated Emission Devices*
BT1 Microwave Amplifiers
BT2 Amplifiers
BT3 Electronic Equipment
BT4 Equipment
BT2 Microwave Equipment
BT3 Electronic Equipment
BT4 Equipment
RT Gasers
RT Lasers
RT Microwave Radiation
RT Quantum Electronics
RT Radiation Sources
RT Stimulated Emission

MASKING [01]
DA March 29, 1980
SF *Resist*
RT Coatings
RT Coverings
RT Deposition
RT Etching
RT Screen Printing
DEF Using a covering or coating on a semiconductor or other surface to provide a masked area for selective deposition or etching.

Masks
DA December 1, 1974
USE Respirators

MASS [01]
DA December 1, 1974
NT1 Critical Mass
NT1 Effective Mass
NT1 Missing Mass
NT1 Negative Mass
NT1 Rest Mass
NT1 Thermal Mass
RT Dalitz Plot
RT Equivalence Principle
RT Gravitational Fields
RT Linear Momentum
RT Mass Difference
RT Mass Distribution
RT Mass Formulae
RT Moment of Inertia
RT Weight

Mass (Thermal)
DA July 5, 1978
USE Thermal Mass

MASS BALANCE [01]
DA June 30, 1975
UF *Balance (Mass)*
RT Plasma Confinement
RT Thermonuclear Devices
RT Thermonuclear Reactors

MASS DEFECT [01]
DA December 1, 1974
RT Binding Energy
RT Nuclear Forces
DEF Mass lost to binding energy.

MASS DIFFERENCE [01]
DA December 1, 1974
BT1 Particle Properties
RT Mass
DEF Unexpected difference between particles of the same family, e.g., between pi plus and pi minus.

MASS DISTRIBUTION [01]
DA October 24, 1984
BT1 Spatial Distribution
BT2 Distribution
RT Anisotropy
RT Configuration
RT Density
RT Mass
RT Shape
DEF The way matter is distributed in space or throughout a body.

MASS DOUBLETS [01]
DA January 21, 1975
RT Mass Spectroscopy

MASS FORMULAE [01]
DA December 1, 1974
NT1 Okubo Mass Formula
RT Mass
RT Quantum Field Theory

MASS NUMBER [01]
DA December 1, 1974
SF *Atomic Weight*
RT Mass Spectroscopy
RT Weizsaecker Formula

Mass Radius (Nuclear)
DA December 1, 1974
USE Nuclear Radii

Mass Radius (Particle)
DA December 1, 1974
USE Particle Radii

MASS REARING [01]
DA December 1, 1974
BT1 Rearing
RT Diet
RT Insects
RT Nutrition
RT Sterile Male Technique

MASS RENORMALIZATION [01]
DA December 1, 1974
BT1 Renormalization

MASS RESOLUTION [01]
DA April 4, 1975
BT1 Resolution

MASS SPECTRA [01]
DA December 1, 1974
BT1 Spectra

MASS SPECTROMETERS [01]
DA December 1, 1974
BT1 Spectrometers
BT2 Measuring Instruments
NT1 Dynamic Mass Spectrometers
NT2 Energy Balance Mass Spectrometers
NT2 Time-Of-Flight Mass Spectrometers
NT1 Spark Mass Spectrometers
NT1 Static Mass Spectrometers
RT Dees
RT Mass Spectroscopy

MASS SPECTROSCOPY [01]
DA December 1, 1974
UF *SIMS*
BT1 Spectroscopy
NT1 Resonance Ionization Mass Spectroscopy
RT Mass Doublets
RT Mass Number
RT Mass Spectrometers

MASS TRANSFER [01]
DA December 1, 1974
UF *Transfer (Mass)*
NT1 Advection
NT1 Convection
NT2 Forced Convection
NT2 Natural Convection
NT2 Thermosyphon Effect
NT1 Environmental Transport
NT2 Long Range Transport
NT2 Radionuclide Migration
NT2 Runoff
RT Air-Biosphere Interactions
RT Atom Transport
RT Dialysis
RT Diffusion
RT Energy Transfer
RT Fluid Flow
RT Membrane Transport
RT Osmosis

MASS TRANSIT SYSTEMS [01]
DA November 28, 1977
BT1 Transportation Systems
RT Rapid Transit Systems
RT Transport

MASSACHUSETTS [01]
DA December 1, 1974
BT1 USA
BT2 Developed Countries
BT2 North America
RT Connecticut River
RT Connecticut River Basin
RT Gulf of Maine
RT US East Coast

Massachusetts Institute of Technology Alcator
DA December 1, 1974
USE Alcator Device

Massachusetts Institute of Technology Reactor
DA December 1, 1974
USE MITR Reactor

MASSEY-MOHR EQUATION [01]
DA December 1, 1974
BT1 Equations
RT Hard-Core Potential
RT Nucleons

Massive Vector-Meson Model
DA December 1, 1974
USE Gluon Model

MASSLESS PARTICLES [01]
DA December 1, 1974
BT1 Elementary Particles
NT1 Gravitons
* NT1 Neutrinos
NT1 Photons
NT2 Cosmic Photons
RT Quantum Field Theory
RT Relativity Theory

MAST CELLS [01]
DA December 1, 1974
UF *Basophils (Connective Tissue)*
BT1 Connective Tissue Cells
BT2 Somatic Cells
BT3 Animal Cells
RT Heparin

MASTER METERING
DA October 3, 1979
BT1 Metering
RT Electric Power
RT Electric Utilities
RT Gas Meters
RT Gas Utilities
RT Measuring Methods
RT Natural Gas
RT Power Meters
DEF Use of a single meter to record energy consumption - either gas or electricity - for an entire multifamily residence.

MASTIGOPHORA [01]
DA June 17, 1981
BT1 Protozoa
BT2 Invertebrates
BT3 Animals
BT2 Microorganisms
NT1 Dinoflagellate
NT1 Euglena
NT1 Trypanosoma

MASURCA REACTOR [01]
DA December 1, 1974
UF *Cadarache Maquette Surgenerative Reactor*
BT1 Air Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Fast Reactors
BT2 Epithermal Reactors
BT3 Reactors
BT1 Plutonium Reactors
BT2 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

Masurium
DA December 1, 1974
USE Technetium

MASUYITE [01]
DA December 1, 1974
BT1 Oxide Minerals
BT2 Minerals
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
RT Uranium Oxides

MATAGORDA BAY [01]
DA November 23, 1979
BT1 Bays
BT2 Coastal Waters
BT3 Surface Waters
RT Texas

MATERIAL BALANCE [01]
DA December 1, 1974
SF *Input-Output*
RT Accounting
RT Inventories
RT Losses
RT Material Unaccounted For
RT Materials
RT Shipper-Receiver Differences

MATERIAL BALANCE AREA [01]
DA December 1, 1974
RT Safeguards
RT Strategic Points

MATERIAL BUCKLING [01]
(Not for structural buckling.)
DA December 1, 1974
BT1 Buckling

MATERIAL SUBSTITUTION [01]
DA December 22, 1977
RT Fuel Substitution
RT Interchangeability

MATERIAL UNACCOUNTED FOR [01]
DA December 1, 1974
UF *MUF*
RT Accounting
RT Inventories
RT Losses
RT Material Balance
RT Nuclear Materials Management
RT Safeguards
RT Shipper-Receiver Differences

MATERIALS [01]
DA May 15, 1975
* NT1 Biological Materials
* NT1 Building Materials
* NT1 Carbonaceous Materials
* NT1 Composite Materials
NT1 Dielectric Materials
NT2 Antiferroelectric Materials
NT2 Electrets
NT1 Doped Materials
NT1 Environmental Materials
NT1 Fertile Materials
NT1 Fissionable Materials
NT2 Fissile Materials
NT1 Glazing Materials
NT1 Granular Materials
NT1 Hazardous Materials
NT2 Toxic Materials
NT3 Toxins
NT4 Aflatoxins
NT4 Endotoxins
* NT1 Heat Resistant Materials
* NT1 Ion Exchange Materials
NT1 Isotope Enriched Materials
NT2 Enriched Uranium
NT3 Highly Enriched Uranium
NT3 Moderately Enriched Uranium
NT3 Slightly Enriched Uranium
NT1 Laser Materials
NT1 Lunar Materials
* NT1 Magnetic Materials
NT1 Matrix Materials
NT1 Molding Materials
NT1 Phase Change Materials
NT1 Photochromic Materials
NT1 Porous Materials
NT1 Potting Materials
* NT1 Radioactive Materials
NT1 Raw Materials
NT2 Chemical Feedstocks
* NT1 Reactor Materials
NT1 Reinforced Materials
NT2 Reinforced Concrete
NT2 Reinforced Plastics
NT1 Sealing Materials
NT1 Semiconductor Materials
NT2 Magnetic Semiconductors
NT2 N-Type Conductors
NT2 Organic Semiconductors
NT2 P-Type Conductors
NT1 Shielding Materials
NT1 Sintered Materials
NT2 SAP
NT1 Stemming Materials

NT1 Surgical Materials
* NT1 Synthetic Materials
NT1 Thermoelectric Materials
NT1 Thermonuclear Reactor Materials
NT1 Tissue-Equivalent Materials
NT1 Weatherstripping
RT Interchangeability
RT Material Balance
RT Materials Drilling
RT Materials Handling
RT Materials Testing
RT Materials Working
RT Renewable Resources
RT Resource Development

Materials (Antiferroelectric)
DA December 1, 1974
USE Antiferroelectric Materials

Materials (Antiferromagnetic)
DA December 1, 1974
USE Antiferromagnetic Materials

Materials (Biological)
DA September 22, 1981
USE Biological Materials

Materials (Building)
DA September 22, 1981
USE Building Materials

Materials (Composite)
DA September 22, 1981
USE Composite Materials

Materials (Dielectric)
DA September 22, 1981
USE Dielectric Materials

Materials (Doped)
DA September 22, 1981
USE Doped Materials

Materials (Environmental)
DA September 22, 1981
USE Environmental Materials

Materials (Ferrimagnetic)
DA September 22, 1981
USE Ferrimagnetic Materials

Materials (Ferroelectric)
DA December 1, 1974
USE Ferroelectric Materials

Materials (Ferromagnetic)
DA December 1, 1974
USE Ferromagnetic Materials

Materials (Lunar)
DA September 22, 1981
USE Lunar Materials

Materials (Magnetic)
DA September 22, 1981
USE Magnetic Materials

Materials (Porous)
DA September 22, 1981
USE Porous Materials

Materials (Reinforced)
DA September 22, 1981
USE Reinforced Materials

Materials (Semiconductor)
DA September 22, 1981
USE Semiconductor Materials

Materials (Shielding)
DA September 22, 1981
USE Shielding Materials

MATERIALS AND MINERALS POLICY ACTS
DA June 29, 1984
BT1 Laws
RT Economic Policy
RT Energy Policy
RT National Security

MATERIALS DRILLING [01]
DA December 1, 1974
UF *Drilling (Materials)*
BT1 Machining
NT1 Laser Drilling
RT Drill Bits
RT Materials
RT Rock Drilling
RT Subterrene Penetrators

MATERIALS HANDLING [01]
DA December 1, 1974
UF *Handling (Materials)*
NT1 Hoisting
NT1 Lightering
NT1 Loading
NT1 Mine Haulage
RT Cargo
RT Contact Handling
RT Conveyors
RT Cranes
RT Delivery
RT Fuel Feeding Systems
RT Grabs
RT Haulage Equipment
RT Hoists
RT Hydraulic Transport
RT Loaders
RT Materials
RT Materials Handling Equipment
RT Pumping
RT Remote Handling
RT Retrieval Systems
RT Sample Changers
RT Solids Flow
RT Transport
RT Unloading
RT Waste Retrieval
RT Winches

MATERIALS HANDLING EQUIPMENT [01]
DA February 11, 1980
BT1 Equipment
NT1 Cranes
NT1 Earthmoving Equipment
NT2 Bucket Wheel Excavators
NT2 Draglines
NT1 Grabs
* NT1 Haulage Equipment
NT1 Hoists
NT1 Mixers
NT1 Remote Handling Equipment
NT2 Manipulators
NT1 Shredders
NT1 Winches
RT Contact Handling
RT Materials Handling
RT Remote Handling
RT Robots
RT Transport

MATERIALS PROCESSING REACTORS [01]
(For routine irradiation of production items to obtain desirable changes in properties.)
DA December 1, 1974
BT1 Irradiation Reactors
BT2 Reactors

MATERIALS RECOVERY [01]
DA September 11, 1975
SF *Recovery*
BT1 Waste Processing
BT2 Processing
BT2 Waste Management
BT3 Management
RT BAMAG Process
RT Caloricon Process
RT Energy Recovery
RT Hichlor Process
RT Lime-Soda Sinter Process
RT Recycling
RT Resource Recovery Facilities
RT RESOX Process
RT Syngas Process

MATERIALS TESTING [01]
DA December 1, 1974
UF *Testing (Materials)*
BT1 Testing
NT1 Destructive Testing
NT2 Charpy Test
NT1 Mechanical Tests
NT2 Impact Tests
NT3 Charpy Test
NT1 Nondestructive Testing
NT2 Acoustic Testing
NT3 Acoustic Emission Testing
NT3 Ultrasonic Testing
NT2 Electrical Testing
NT2 Electromagnetic Testing
NT3 Eddy Current Testing
NT2 Liquid Penetrant Inspection
NT2 Magnetic Testing
NT2 Radiation Attenuation Testing
NT2 Thermal Testing
NT3 Frost Tests
RT Ceramography
RT Corrosion
RT Emanation Method
RT FMIT Linac
RT Inspection
RT Materials
RT Metallography
RT Photoelasticity
RT Quality Control
RT S-N Diagram
RT Stresses

Materials Testing Reactor Japan
DA December 1, 1974
USE JMTR Reactor

MATERIALS TESTING REACTORS [01]
(For testing properties of materials or equipment in a radioactive environment.)
DA December 1, 1974
BT1 Irradiation Reactors
BT2 Reactors
NT1 ATR Reactor
NT1 BR-2 Reactor
NT1 CP-2 Reactor
NT1 Dido Reactor
NT1 DMTR Reactor
NT1 DR-3 Reactor
NT1 EL-3 Reactor
NT1 FRG-2 Reactor
NT1 FRJ-2 Reactor
NT1 Gleep Reactor
NT1 Hector Reactor
NT1 HFETR Reactor
NT1 HFR Reactor
NT1 HIFAR Reactor
NT1 HWCTR Reactor
NT1 JMTR Reactor
NT1 JRR-3 Reactor
NT1 JRR-3M Reactor
NT1 KMR Reactor
NT1 KSTR Reactor
NT1 LPR Reactor
NT1 Merlin Reactor
NT1 MTR Reactor
NT1 NBSR Reactor
NT1 NRX Reactor
NT1 Osiris Reactor
NT1 PBR Reactor
NT1 Pluto Reactor
NT1 R-2 Reactor
NT1 RV-1 Reactor
NT1 SM-2 Reactor
NT1 SMR Reactor
NT1 Taiwan Research Reactor
NT1 TRIGA-1-Hanford Reactor
NT1 WR-1 Reactor
NT1 WWR-M-Kiev Reactor
NT1 WWR-M-Leningrad Reactor
NT1 Zephyr Reactor

MATERIALS WORKING [01]
(Covers metal and non-metal working.)
DA December 1, 1974
UF *Forming (Materials)*
UF *Working (Materials)*
BT1 Fabrication
NT1 Canning
NT1 Cold Working
NT2 Shot Peening
NT1 Drawing
NT1 Explosive Forming
NT1 Extrusion
NT2 Coextrusion
NT1 Forging

NT1 Hot Working
NT1 Magnetic Forming
NT1 Pressing
NT2 Cold Pressing
NT2 Hot Pressing
NT1 Rolling
NT1 Swaging
NT1 Thermomechanical Treatments
RT Casting
RT Deformation
RT Machining
RT Materials
RT Molding

MATHEMATICAL LOGIC [01]
DA November 11, 1975
UF *Logic (Mathematics)*
UF *Symbolic Logic*
NT1 Algorithms
NT1 Fuzzy Logic
RT Mathematical Models
RT Mathematics

MATHEMATICAL MANIFOLDS [01]
DA December 1, 1974
NT1 Complex Manifolds
NT1 Convex Manifolds
NT1 Smooth Manifolds
RT Mathematical Space
RT Mathematics
RT Measure Theory
RT Topological Mapping
RT Topology

MATHEMATICAL MODELS [01]
DA December 1, 1974
UF *Models (Mathematical)*
NT1 Atomic Models
NT2 Thomas-Fermi Model
NT1 Box Models
NT1 Climate Models
NT1 Cosmological Models
NT2 Inflationary Universe
NT1 Crystal Models
NT2 Heisenberg Model
NT2 Hubbard Model
NT2 Ising Model
NT1 Electron-Promotion Model
NT1 Flow Models
NT1 General Circulation Models
NT1 Harmonic Oscillator Models
NT1 Molecular Models
NT2 Thermodynamic Molecular Model
NT1 Nuclear Models
NT2 Bjorklund-Fernbach Model
NT2 Black Nucleus Model
NT2 Brueckner Model
NT2 Cloudy Crystal Ball Model
NT2 Cluster Model
NT2 Coherent Tube Model
NT2 Collective Model
NT3 Rotation-Vibration Model
NT2 Cranking Model
NT2 Davydov-Filipov Model
NT2 Droplet Model
NT2 Elliot Model
NT2 Evaporation Model
NT3 Weisskopf Model
NT2 Exciton Model
NT2 Fermi Gas Model
NT2 Folding Model
NT2 Goldberger Model
NT2 Lane-Thomas-Wigner Model
NT2 Liquid Drop Model
NT2 Nilsson-Mottelson Model
NT2 Nuclear Fireball Model
NT2 Order-Disorder Model
NT2 Particle-Core Coupling Model
NT2 Particle-Hole Model
NT2 Perey-Buck Model
NT2 Quartet Model
NT2 Quasiparticle-Phonon Model
NT2 Scission-Point Model
NT2 Shell Models
NT3 Governor Model
NT3 Interacting Boson Model
NT3 Multi-Center Shell Model
NT2 Spherical Model
NT2 Strong Absorption Model
NT2 Superfluid Model
NT2 Unified Model
NT2 Valency Model
NT2 Vibron Model
NT2 VMI Model
NT2 Walecka Model
NT2 Weak-Coupling Model
NT1 Particle Models
NT2 Coherent Tube Model
NT2 Composite Models
NT3 Bootstrap Model
NT3 CIM Model
NT3 Parton Model
NT3 Quark Model
NT4 Bag Model
NT4 Color Model
NT4 Flavor Model
NT5 Beauty Model
NT5 Truth Model
NT4 String Models
NT5 Superstring Models
NT3 Rishon Model
NT2 Correlated-Particle Models
NT2 Diffraction Models
NT2 Dual Absorption Model
NT2 Extended Particle Model
NT3 Bag Model
NT3 String Models
NT4 Superstring Models
NT2 Feynman Gas Model
NT2 Fireball Model
NT2 Gluon Model
NT2 Hard Collision Models
NT2 Higgs Model
NT2 Isobar Model
NT2 Jet Model
NT2 Lee Model
NT2 Linear Absorption Models
NT2 Nova Model
NT2 Octet Model
NT2 Peripheral Models
NT3 Baryon-Exchange Models
NT3 Boson-Exchange Models
NT4 OBE Model
NT5 OPE Model
NT6 Electric Born Model
NT4 Sigma Model
NT3 Multiperipheral Model
NT4 Cluster Emission Model
NT5 Space-Time Model
NT2 Single-Particle Model
NT2 Strong-Coupling Model
NT2 Tensor Dominance Model
NT2 Thermodynamic Model
NT3 Hydrodynamic Model
NT2 Uncorrelated-Particle Model
NT2 Unified Gauge Models
NT3 Grand Unified Theory
NT3 Standard Model
NT3 Weinberg Lepton Model
NT3 Weinberg-Salam Gauge Model
NT2 Van Hove Model
NT2 Vector Dominance Model
NT2 Veneziano Model
NT3 Dual Resonance Model
NT1 Star Models
NT1 Statistical Models
NT2 Feynman Gas Model
NT2 Thermodynamic Model
NT3 Hydrodynamic Model
NT1 Thermal-Nelson Model
RT Biological Models
RT Comparative Evaluations
RT Computer-Aided Design
RT Computer Calculations
RT Energy Models
RT Functional Models
RT Fuzzy Logic
RT Hypothesis
RT Mathematical Logic
RT Microcosms
RT Mockup
RT Operations Research
RT Parametric Analysis
RT Projection Series
RT Response Functions
RT Scaling Laws
RT Sensitivity Analysis
RT Structural Models
RT Time-Series Analysis
RT Validation

MATHEMATICAL OPERATORS [01]
DA December 1, 1974
UF *Operators (Mathematical)*
NT1 Casimir Operators
NT1 Hermitian Operators
NT1 Laplacian
NT1 Projection Operators
NT1 Quantum Operators
NT2 Angular Momentum Operators
NT3 Orbital Momentum Operators
NT3 Pauli Spin Operators
NT2 Annihilation Operators
NT2 Commutators
NT3 Current Commutators
NT4 Sigma Terms
NT2 Creation Operators
NT2 Dirac Operators
NT2 Field Operators
NT2 Hamiltonians
NT2 Linear Momentum Operators
NT2 Moshinsky Transformation
NT2 Position Operators
NT1 Superoperators
RT Commutation Relations
RT Density Matrix
RT Digital Filters
RT Digital Frequency Analysis
RT Eigenvalues
RT Eigenvectors
RT Mathematics
RT Quantum Mechanics
RT Transfer Matrix Method

MATHEMATICAL SPACE [01]
DA December 1, 1974
BT1 Space
NT1 Banach Space
NT2 Hilbert Space
NT1 Hausdorff Space
NT1 Minkowski Space
NT1 Phase Space
NT1 Riemann Space
NT2 Euclidean Space
RT Differential Geometry
RT Fock Representation
RT Geodesics
RT Lobachevsky Geometry
RT Mathematical Manifolds
RT Mathematics
RT Measure Theory
RT Metrics
RT Space Dependence
RT Space-Time

MATHEMATICS [01]
DA December 1, 1974
NT1 Algebra
NT1 Differential Calculus
NT1 Functional Analysis
NT1 Geometry
NT2 Differential Geometry
NT2 Lobachevsky Geometry
NT1 Global Analysis
NT1 Group Theory
NT1 Integral Calculus
NT1 Measure Theory
NT1 Numerical Analysis
NT1 Prony Method
NT1 Set Theory
NT1 Statistics
NT2 Game Theory
NT2 Kriging
NT2 Multivariate Analysis
NT2 Regression Analysis
NT1 Time-Series Analysis
NT1 Topology
NT2 Differential Topology
RT Algorithms
RT Analytical Solution
RT Anharmonic Oscillators
RT Asymptotic Solutions
RT Bethe-Tait Method
RT Boundary Element Method
RT Canonical Transformations
RT Conformal Mapping
RT Convergence
RT Coordinates
RT Differential Equations
RT Eigenvectors
RT Equations
RT Extrapolation
RT Extreme-Value Problems
RT Factorization
RT Finite Difference Method
RT Finite Element Method
RT Four-Dimensional Calculations
RT Fourier Analysis

RT Functions
RT Galerkin-Petrov Method
RT Gamma Function
RT Geodesy
RT Harmonic Oscillators
RT Integral Equations
RT Integral Transformations
RT Integrals
RT Interpolation
RT Iterative Methods
RT Many-Dimensional Calculations
RT Mathematical Logic
RT Mathematical Manifolds
RT Mathematical Operators
RT Mathematical Space
RT Matrices
RT Mesh Generation
RT Metrics
RT Network Analysis
RT Newton Method
RT Nodal Expansion Method
RT Nonlinear Problems
RT Numerical Solution
RT One-Dimensional Calculations
RT Perturbation Theory
RT Phase Space
RT Polynomials
RT Power Series
RT Quasilinear Problems
RT Queues
RT Regge Calculus
RT Runge-Kutta Method
RT Saddle-Point Method
RT Scalars
RT Series Expansion
RT Spherical Harmonics
RT Spline Functions
RT Superconvergence Relations
RT Tensors
RT Three-Dimensional Calculations
RT Two-Dimensional Calculations
RT Variational Methods
RT Vectors
RT Weierstrass Functions

MATHIEU EQUATION [01]
DA December 1, 1974
BT1 Differential Equations
BT2 Equations

MATING [01]
DA December 1, 1974
RT Behavior
RT Reproduction
RT Sex

MATRICES [01]
DA December 1, 1974
NT1 Density Matrix
NT1 G Matrix
NT1 Hermitian Matrix
NT1 K Matrix
NT1 Kobayashi-Maskawa Matrix
NT1 Nuclear Matrix
NT1 R Matrix
NT1 S Matrix
RT Mathematics
RT Matrix Elements
RT Metrics
RT Secular Equation

MATRIX ELEMENTS [01]
DA December 1, 1974
RT Brillouin Theorem
RT Matrices

MATRIX ISOLATION [01]
DA October 19, 1978
RT Atoms
RT Clathrates
RT Molecular Structure
RT Molecules
RT Spectroscopy
DEF Method for investigating chemical, physical, spectroscopic, and other properties of reactive species of atoms or molecules while trapped in matrices at low temperature.

MATRIX MATERIALS [01]
DA December 1, 1974
UF *Electrolyte Tiles*
BT1 Materials
RT Electric Batteries
RT Fuel Cells
RT Fuel Elements
RT Graphite
RT Reactor Materials
RT Resins

MATSUKAWA GEOTHERMAL FIELD [01]
DA January 23, 1975
BT1 Geothermal Fields
RT Hachimantai
RT Japan
RT Vapor-Dominated Systems

MATTER [01]
DA December 1, 1974
NT1 Antimatter
NT2 Antinuclei
NT3 Antideuterons
NT3 Antiprotons
NT3 Antitritons
NT2 Antiparticles
NT3 Anti-D Neutral Mesons
NT3 Antibaryons
NT4 Antihyperons
NT5 Antilambda Particles
NT5 Antiomega Particles
NT5 Antisigma Particles
NT5 Antixi Particles
NT4 Antinucleons
NT5 Antineutrons
NT5 Antiprotons
NT3 Antideuterons
NT3 Antikaons
NT4 Antikaons Neutral
NT3 Antileptons
NT4 Antineutrinos
NT5 Electron Antineutrinos
NT5 Muon Antineutrinos
NT4 Muons Plus
NT4 Positrons
NT5 Cosmic Positrons
NT3 Antimesons
NT4 Pseudoscalar Antimesons
NT3 Antitritons
NT1 Nonluminous Matter
NT1 Nuclear Matter
NT1 Organic Matter
NT2 Kerogen
NT2 Peat
NT1 Quark Matter
NT1 Volatile Matter
RT Ambiplasma
RT Cosmology
RT Rheology

MATTERHORN PROJECT [01]
DA December 1, 1974
RT Thermonuclear Reactions

MATTHIESSEN RULE [01]
DA December 1, 1974
RT Electric Conductivity
RT Thermal Conductivity

MATURATION
DA August 9, 1977
UF *Thermal Alteration*
RT Petroleum

MAURITANIA [01]
DA December 1, 1974
BT1 Africa
BT1 Arab Countries
BT1 Developing Countries

MAURITIUS [01]
DA May 18, 1981
BT1 Islands
RT Indian Ocean

MAXIMUM ACCEPTABLE CONTAMINATION [01]
DA December 1, 1974
UF *MAC*
BT1 Contamination Regulations
BT2 Pollution Regulations
BT3 Regulations
BT1 Safety Standards
BT2 Standards
RT Contamination

MAXIMUM CREDIBLE ACCIDENT [01]
DA December 1, 1974
UF *MCA*
BT1 Design Basis Accidents
BT2 Reactor Accidents
BT3 Accidents
RT Health Hazards
RT Reactor Safety

MAXIMUM INHALATION QUANTITY [01]
DA December 1, 1974
UF *MIQ*
BT1 Safety Standards
BT2 Standards
RT Inhalation
RT Radioactivity

MAXIMUM-LIKELIHOOD FIT [01]
DA December 1, 1974
BT1 Numerical Solution
NT1 Least Square Fit
RT Probability
RT Statistics

MAXIMUM PERMISSIBLE ACTIVITY [01]
DA December 1, 1974
UF *MPA*
BT1 Safety Standards
BT2 Standards
RT Activity Levels
RT Radioactivity

MAXIMUM PERMISSIBLE BODY BURDEN [01]
DA December 1, 1974
UF *MPBB*
BT1 Safety Standards
BT2 Standards
RT Body Burden
RT Radioactivity
RT Retention

MAXIMUM PERMISSIBLE CONCENTRATION [01]
DA December 1, 1974
UF *MPC*
BT1 Safety Standards
BT2 Standards

MAXIMUM PERMISSIBLE DOSE [01]
DA December 1, 1974
UF *MPD*
BT1 Safety Standards
BT2 Standards
RT Dose Limits
RT Maximum Permissible Exposure
RT Radiation Doses

MAXIMUM PERMISSIBLE EXPOSURE [01]
DA December 1, 1974
UF *MPE*
BT1 Safety Standards
BT2 Standards
RT Integral Doses
RT Maximum Permissible Dose
RT Radiation Doses

MAXIMUM PERMISSIBLE INTAKE [01]
DA December 1, 1974
UF *MPI*
BT1 Safety Standards
BT2 Standards
RT Intake
RT Radioactivity

MAXIMUM PERMISSIBLE LEVEL [01]
DA December 1, 1974
UF *MPL*
BT1 Safety Standards
BT2 Standards
RT Radioactivity

Maxwell-Boltzmann Distribution
DA December 1, 1974
USE Boltzmann Statistics

Maxwell-Boltzmann Equation
DA December 1, 1974
USE Boltzmann Equation

Maxwell-Boltzmann Statistics
DA December 1, 1974
USE Boltzmann Statistics

Maxwell Distribution
DA December 1, 1974
USE Boltzmann Statistics

MAXWELL EQUATIONS [01]
DA December 1, 1974
BT1 Partial Differential Equations
BT2 Differential Equations
BT3 Equations
RT Born-Infeld Theory
RT Electrodynamics
RT Electromagnetic Fields
RT Field Equations
RT Poynting Theorem

Maxwell Statistics
DA December 1, 1974
USE Boltzmann Statistics

Maxwell Velocity Distribution
DA December 1, 1974
USE Boltzmann Statistics

Mayaguez Puerto Rico L-77 Reactor
DA December 1, 1974
USE PRNC-L-77 Reactor

Mayaguez Puerto Rico Pool Reactor
DA December 1, 1974
USE PRPR Reactor

MAYER-SCHMIDT CONFIGURATIONS [01]
DA December 1, 1974
UF *M-S Configuration*
BT1 Closed Configurations
BT2 Magnetic Field Configurations

Mayflies
DA February 21, 1984
USE Ephemeroptera

MBE
DA October 20, 1982
USE Molecular Beam Epitaxy

MBP [01]
DA October 5, 1982
UF *Monobutyl Phosphate*
BT1 Butyl Phosphates
BT2 Phosphoric Acid Esters
BT3 Esters
BT4 Organic Compounds
BT3 Organic Phosphorus Compounds
BT4 Organic Compounds

MC GUIRE-1 REACTOR [01]
(Cornelius, North Carolina, USA)
DA December 1, 1974
UF *W. B. Mc Guire-1 Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

MC GUIRE-2 REACTOR [01]
(Cornelius, North Carolina, USA)
DA December 1, 1974
UF *W. B. Mc Guire-2 Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

MC LEOD GAGES [01]
DA December 1, 1974
BT1 Vacuum Gages
BT2 Pressure Gages
BT3 Measuring Instruments

Mc Master University Nuclear Reactor
DA December 1, 1974
USE MNR Reactor

MCA
DA December 1, 1974
USE Maximum Credible Accident

McDowell-Wellman Process
(Prior to July 1993, this was a valid descriptor.)
DA April 27, 1978
USE Coal Gasification
DEF Gasification process in which the gasifier has a continuous automatic gravity coal feeding system, a revolving grate, and an elevated ash pit. The gas-making chamber is completely water-jacketed. The inner wall is made of one-inch thick steel plate and requires no brick lining. Waste heat in the water jacket generates the required steam.

MCGILL SYNCHROCYCLOTRON [01]
DA June 16, 1975
BT1 Synchrocyclotrons
BT2 Cyclic Accelerators
BT3 Accelerators

McMurdo Sound Medium Power Plant 3A
DA December 1, 1974
USE PM-3A Reactor

MCPP
DA May 31, 1985
SEE Dual-Purpose Power Plants

MDPA [01]
DA December 1, 1974
UF *Monododecylphosphoric Acid*
BT1 Chelating Agents
BT1 Organic Acids
BT2 Organic Compounds
BT1 Phosphoric Acid Esters
BT2 Esters
BT3 Organic Compounds
BT2 Organic Phosphorus Compounds
BT3 Organic Compounds

MEA [01]
DA December 1, 1974
UF *Aminoethanethiol*
UF *Cysteamine*
UF *Mercamine*
UF *Mercaptoethylamine*
BT1 Amines
BT2 Organic Compounds
BT1 Radioprotective Substances
BT2 Drugs
BT1 Thiols
BT2 Organic Sulfur Compounds
BT3 Organic Compounds
RT Cystamine
RT Cytriphos

MEA LINAC [01]
DA November 1, 1976
BT1 Linear Accelerators
BT2 Accelerators

MEADOW FOAM [01]
DA March 11, 1982
UF *Limnanthes Alba*
BT1 Herbs
BT2 Plants
BT1 Magnoliopsida
BT2 Magnoliophyta
BT3 Plants
RT Hydrocarbons
RT Lubricating Oils
RT Renewable Energy Sources
RT Seeds

MEAN-FIELD THEORY [01]
DA February 10, 1984
RT Many-Body Problem
RT Self-Consistent Field
RT Statistical Mechanics
DEF An approach for quantum mechanical many-body problems by definition of a mean field which is derived from the interactions of single bodies.

MEAN FREE PATH [01]
DA December 1, 1974
RT Anomalons
RT Cross Sections
RT Diffusion
RT Geiger-Nuttall Law

Mean Life
DA December 1, 1974
USE Lifetime

MEASLES [01]
DA August 24, 1976
UF *German Measles*
UF *Rubeola*
BT1 Viral Diseases
BT2 Infectious Diseases
BT3 Diseases
RT Measles Virus

MEASLES VIRUS [01]
DA August 24, 1976
UF *Rubella Virus*
UF *Rubeola Virus*
BT1 Viruses
BT2 Microorganisms
BT2 Parasites
RT Measles

MEASURE THEORY [01]
DA June 16, 1975
BT1 Mathematics
RT Mathematical Manifolds
RT Mathematical Space
RT Metrics

Measured Values
DA December 1, 1974
USE Data

Measurements While Drilling
DA December 11, 1978
USE MWD Systems

MEASURING INSTRUMENTS [01]
(Use of a more specific term is recommended.)
DA December 1, 1974
UF *Instruments (Measuring)*
NT1 Accelerometers
NT1 Altimeters
NT1 Anemometers
NT2 Hot Wire Anemometers
NT2 Laser Doppler Anemometers
NT1 Bolometers
NT1 Calorimeters
NT1 Densimeters
NT2 Pycnometers
NT1 Diffractometers
NT2 Gamma Diffractometers
NT2 Neutron Diffractometers
NT2 X-Ray Diffractometers
NT1 Displacement Gages
* **NT1** Dosemeters
NT1 Dynamometers
NT1 Electric Measuring Instruments
NT2 Ammeters
NT2 Electrometers
NT2 Electroscopes
NT2 Galvanometers
NT2 Potentiometers
NT2 Power Meters
NT2 Voltmeters

NT1 Ellipsometers
NT1 Fluorimeters
NT1 Fluxmeters
NT2 SQUID Devices
NT1 Fuel Gages
NT1 Goniometers
NT1 Interferometers
NT2 Fabry-Perot Interferometer
NT2 Mach-Zehnder Interferometer
NT2 Michelson Interferometer
NT1 Ion-Mobility Detectors
NT1 Level Indicators
NT1 Lysimeters
NT1 Magnetic Balances
NT1 Magnetometers
NT2 Fluxgate Magnetometers
NT2 Moving Coil Magnetometers
NT2 Proton Precession Magnetometers
NT2 Vibrating Sample Magnetometers
* NT1 Meters
NT1 Moisture Gages
* NT1 Monitors
NT1 Multispectral Scanners
NT1 Neutron Activation Analyzers
NT1 Noise Dosemeters
NT1 Nuclear Reaction Analyzers
NT1 Odorometers
NT1 Penetrometers
NT1 Photometers
NT2 Densitometers
NT1 Porosimeters
NT1 Potentiostats
* NT1 Pressure Gages
NT1 Pyranometers
NT1 Pyrheliometers
NT1 Pyrometers
NT2 Optical Pyrometers
* NT1 Radiation Detectors
NT1 Radiometric Gages
NT2 Electron-Capture Detectors
NT1 Range Finders
NT2 Radar
NT3 Acoustic Radar
NT3 Optical Radar
NT3 Synthetic-Aperture Radar
NT2 Sonar
NT1 Riometers
NT1 Sedimentometers
NT1 Seismic Arrays
NT2 Seismic Detectors
NT3 Seismographs
* NT1 Spectrometers
NT1 Spectrophotometers
NT1 Strain Gages
NT1 Tensiometers
NT1 Thermocouples
NT1 Thermometers
NT2 Geothermometers
NT2 Noise Thermometers
NT1 Thickness Gages
NT1 Time Interval Analyzers
NT2 Chronotrons
NT3 Vernier Chronotrons
NT1 Velocimeters
NT1 Viscosimeters
NT1 Weight Indicators
NT2 Balances
NT3 Microbalances
RT Gyroscopes
RT Ionosondes
RT Miniaturization
RT Nisus Facility
RT On-Line Measurement Systems
RT Probes
RT Reactor Instrumentation
RT Recording Systems
RT Response Functions
RT Temperature Measurement
RT Time Measurement
RT Transducers

MEASURING METHODS [01]
(Use of a more specific term is recommended.)
DA December 1, 1974
NT1 Ellipsometry
NT1 Thermography
NT2 Infrared Thermography
RT Calculation Methods
RT Comparative Evaluations
RT Dosimetry
RT Frequency Measurement
RT Master Metering
RT Metering
RT Particle Discrimination
RT Stern-Gerlach Experiment

MEAT [01]
DA December 1, 1974
UF *Bacon*
UF *Beef*
UF *Ham*
UF *Pork*
BT1 Food
RT Cattle
RT Sheep
RT Swine
RT Trichinella

MEAT INDUSTRY
DA June 21, 1977
BT1 Food Industry
BT2 Industry

MECHANICAL DECLADDING [01]
DA December 1, 1974
BT1 Decladding
BT2 Head End Processes
RT Cutting
RT Milling

MECHANICAL DRAFT COOLING TOWERS
DA February 20, 1975
UF *Forced Draft Cooling Towers*
BT1 Cooling Towers
RT Cooling
RT Forced Convection
RT Heat Exchangers

Mechanical Effects
(Prior to September 1981, this was a valid descriptor.)
DA April 8, 1975
USE Mechanical Properties

MECHANICAL EFFICIENCY [01]
DA December 1, 1974
BT1 Efficiency
RT Gears

MECHANICAL ENERGY STORAGE EQUIPMENT
DA August 7, 1979
NT1 Flywheels
NT1 Hydraulic Accumulators
RT Energy Storage
RT Energy Storage Systems

MECHANICAL ENGINEERING
DA July 8, 1982
BT1 Engineering

MECHANICAL FILTERS [01]
DA December 1, 1974
BT1 Filters
NT1 Granular Bed Filters

MECHANICAL HEART [01]
DA December 1, 1974
BT1 Artificial Organs
BT1 Prostheses
BT2 Medical Supplies
RT Blood Circulation
RT Cardiac Pacemakers
RT Heart
RT Radioisotope Batteries

MECHANICAL IMPEDANCE [01]
DA December 16, 1975
BT1 Impedance

MECHANICAL KIDNEY
DA June 2, 1977
BT1 Artificial Organs
BT1 Kidneys
BT2 Organs
BT3 Body
BT1 Prostheses
BT2 Medical Supplies
RT Dialysis
RT Urinary Tract

MECHANICAL POLISHING [01]
DA December 1, 1974
BT1 Polishing
BT2 Surface Finishing

MECHANICAL PROPERTIES [01]
DA December 1, 1974
UF *Mechanical Effects*
UF *Properties (Mechanical)*
NT1 Brittleness
NT1 Compressibility
NT1 Compression Strength
NT1 Creep
NT1 Dilatancy
NT1 Fatigue
NT2 Corrosion Fatigue
NT2 Thermal Fatigue
NT1 Flexural Strength
NT1 Fracture Properties
NT1 Hardness
NT2 Microhardness
NT1 Impact Strength
NT1 Plasticity
NT1 Poisson Ratio
NT1 Shear Properties
NT1 Tensile Properties
NT2 Ductility
NT2 Elasticity
NT3 Photoelasticity
NT3 Thermoelasticity
NT2 Flexibility
NT1 Ultimate Strength
NT1 Wear Resistance
NT1 Yield Strength
NT1 Young Modulus
RT Acoustic Microscopy
RT Destructive Testing
RT Physical Metallurgy
RT Stresses

MECHANICAL SHAFTS [01]
DA February 20, 1987
BT1 Shafts
BT2 Machine Parts

MECHANICAL STRUCTURES [01]
DA December 1, 1974
UF *Columns (Mechanical)*
UF *Structures (Mechanics)*
SF *Towers*
NT1 Bellows
NT1 Bridges
NT1 Domed Structures
NT1 Honeycomb Structures
NT1 Intake Structures
NT1 Outlet Structures
NT1 Power Transmission Towers
NT1 Supports
NT2 Foundations
NT2 Fuel Racks
NT2 Powered Supports
NT3 Shield Supports
RT Buildings
RT Construction
RT Ratcheting
RT Response Functions
RT Shells
RT Soil-Structure Interactions

MECHANICAL TESTS [01]
(See also the properties tested.)
DA December 1, 1974
BT1 Materials Testing
BT2 Testing
NT1 Impact Tests
NT2 Charpy Test
RT Dynamic Loads
RT Static Loads
RT Strain Gages
RT Stress Intensity Factors
RT Stresses
RT Thermal Cycling
RT Wear

MECHANICAL TRANSMISSIONS [01]
DA May 5, 1975
BT1 Machine Parts
RT Automobiles
RT Gears
RT Vehicles

MECHANICAL VIBRATIONS [01]
DA December 1, 1974

UF *Vibrations (Mechanical)*
RT Amplitudes
RT Damping
RT Dynamic Loads
RT Harmonics
RT Hydrodynamic Mass Effect
RT Oscillations
RT Springs
RT Standing Waves
RT Travelling Waves

MECHANICS [01]
DA December 1, 1974
NT1 Classical Mechanics
NT1 Dynamics
NT1 Electromechanics
NT1 Fluid Mechanics
NT2 Aerodynamics
NT2 Electrogasdynamics
NT2 Hydraulics
NT2 Hydrodynamics
NT3 Electrohydrodynamics
NT3 Magnetohydrodynamics
NT2 Magnetogasdynamics
NT2 Pneumatics
NT1 Fracture Mechanics
NT1 Quantum Mechanics
NT1 Rock Mechanics
NT1 Soil Mechanics
NT1 Statistical Mechanics
RT Action Integral
RT Anharmonic Oscillators
RT Canonical Transformations
RT Center-of-Mass System
RT Degrees of Freedom
RT Equations of Motion
RT Galilei Transformations
RT Hamilton-Jacobi Equations
RT Harmonic Oscillators
RT Kinetics
RT Laboratory System
RT Lagrange Equations
RT Lagrangian Function
RT Moment of Inertia
RT Physical Metallurgy
RT Surface Forces
RT Virial Theorem

MEDEC PROCESS
DA August 25, 1980
BT1 Radioactive Waste Processing
BT2 Radioactive Waste Management
BT3 Waste Management
BT4 Management
BT2 Waste Processing
BT3 Processing
BT3 Waste Management
BT4 Management
RT LMFBR Type Reactors
RT Sodium
DEF A process for removal of elemental sodium from LMFBR radioactive wastes.

MEDIASTINUM [01]
DA December 1, 1974
BT1 Chest
BT2 Body Areas
BT3 Body
RT Aorta
RT Esophagus
RT Heart
RT Pleura
RT Thymus
RT Trachea

MEDIATION
DA March 17, 1981
RT Hearings
RT Intervenors
RT Negotiation
DEF Intervention between conflicting parties to promote reconcilation, settlement, or compromise.

Medical Centers
(Prior to July 1985, this was a valid descriptor and older material is so indexed.)
DA December 22, 1977
USE Medical Establishments

MEDICAL ESTABLISHMENTS [01]
DA September 26, 1979
UF *Medical Centers*
NT1 Hospitals
RT Buildings
RT Health Services
RT Public Health

MEDICAL EXAMINATIONS [01]
DA July 5, 1978
RT Diagnosis

MEDICAL PERSONNEL [01]
DA December 1, 1974
BT1 Personnel
BT2 Man
BT3 Primates
BT4 Mammals
BT5 Vertebrates
BT6 Animals
NT1 Radiological Personnel
RT Medicine

MEDICAL RECORDS [01]
DA May 25, 1979
RT Medical Surveillance

MEDICAL SUPPLIES [01]
DA December 1, 1974
NT1 Prostheses
NT2 Mechanical Heart
NT2 Mechanical Kidney
NT1 Surgical Materials
RT Drugs
RT Isomed
RT Medicine

MEDICAL SURVEILLANCE [01]
DA June 16, 1975
UF *Surveillance (Medical)*
BT1 Surveillance
RT Contamination
RT Delayed Radiation Effects
RT Dose Commitments
RT Medical Records
RT Personnel
RT Personnel Monitoring
RT Preventive Medicine
RT Radiation Doses

MEDICINAL PLANTS [01]
DA December 1, 1974
BT1 Plants
NT1 Aloe
NT1 Atropa Belladonna
NT1 Castor
NT1 Digitalis
NT1 Papaver Somniferum
RT Alkaloids
RT Drugs

MEDICINE [01]
DA December 1, 1974
UF *Internal Medicine*
NT1 Balneology
NT1 Dentistry
NT1 Gynecology
NT1 Hematology
NT1 Industrial Medicine
NT1 Neurology
NT1 Nuclear Medicine
NT2 Radiology
NT3 Biomedical Radiography
NT4 Fluoroscopy
NT4 Ionographic Imaging
NT4 Osteodensitometry
NT4 Renography
NT3 Radiotherapy
NT4 Afterloading
NT4 Neutron Therapy
NT5 Neutron Capture Therapy
NT4 Radioimmunotherapy
NT1 Ophthalmology
NT1 Pediatrics
NT1 Preventive Medicine
NT1 Surgery
NT2 Adrenalectomy
NT2 Castration
NT2 Gastrectomy
NT2 Hepatectomy
NT2 Hypophysectomy
NT2 Laryngectomy
NT2 Nephrectomy
NT2 Plastic Surgery
NT2 Splenectomy
NT2 Thymectomy
NT2 Thyroidectomy
NT1 Tropical Medicine
NT1 Veterinary Medicine
RT Anesthesia
RT Biology
RT Diagnosis
RT Diagnostic Techniques
RT Diagnostic Uses
RT Diseases
RT Hospitals
RT Medical Personnel
RT Medical Supplies
RT Pathology
RT Patients
RT Therapy
RT WHO

Medicines
DA December 1, 1974
USE Drugs

MEDITERRANEAN SEA [01]
DA December 1, 1974
BT1 Seas
BT2 Surface Waters
NT1 Adriatic Sea
RT Aegean Sea
RT Cyprus
RT Malta

MEDIUM-BETA PLASMA [01]
(Beta from 0.01 to 0.1.)
DA December 1, 1974
BT1 Plasma
RT Beta Ratio

MEDIUM-HEAD HYDROELECTRIC POWER PLANTS
(Prior to August 1978 HYDROELECTRIC POWER PLANTS was used.)
DA August 8, 1978
BT1 Hydroelectric Power Plants
BT2 Power Plants
DEF Heads of 50 to 500 ft.

MEDIUM PRESSURE [01]
DA December 1, 1974
UF *Pressure (0.1-10 MPa)*
UF *Pressure (0001-0100 Atm)*
RT Pressure Dependence

Medium Temperature
(Prior to February 1992, this was a valid descriptor.)
DA December 1, 1974
USE Temperature Range 0273-0400 K

MEDIUM VACUUM [01]
DA December 1, 1974
UF *Pressure (1-10(-3) Torr)*
UF *Pressure (133-0.13 Pa)*
UF *Vacuum (1-10(-3) Torr)*
UF *Vacuum (133-0.13 Pa)*
UF *Very Low Pressure*
RT Cryopumps
RT Pressure Dependence
RT Turbomolecular Pumps
RT Vacuum Pumps

MEDIUM WAVE RADIATION [01]
DA December 1, 1974
BT1 Radiowave Radiation
BT2 Electromagnetic Radiation
BT3 Radiations

MEETINGS [01]
DA December 1, 1974
UF *Conferences*
UF *Symposia*
RT Hearings
RT Proceedings

MEG [01]
DA December 1, 1974
UF *Mercaptoethylguanidine*
BT1 Carbonic Acid Derivatives
BT2 Organic Compounds

BT1 Radioprotective Substances
BT2 Drugs
BT1 Thiols
BT2 Organic Sulfur Compounds
BT3 Organic Compounds

MEGA AMP BEAM CURRENTS [01]
(Above 10^6 amperes.)
DA July 7, 1976
BT1 Beam Currents
BT2 Currents

Megakaryocytes
DA December 1, 1974
USE Bone Marrow Cells

MEGALOBLASTIC ANEMIA [01]
DA December 1, 1974
BT1 Anemias
BT2 Hemic Diseases
BT3 Diseases
BT2 Symptoms
RT Erythrocytes

MEGATRON [01]
DA December 1, 1974
BT1 Linear Pinch Devices
BT2 Open Plasma Devices
BT3 Thermonuclear Devices
BT2 Pinch Devices
BT3 Thermonuclear Devices

MEGAWATT POWER RANGE [01]
DA August 10, 1989
BT1 Power Range
NT1 Power Range 01-10 MW
NT1 Power Range 10-100 MW
NT1 Power Range 100-1000 MW

Mehrzweck-Forschungsreaktor
DA December 1, 1974
USE MZFR Reactor

MEIOSIS [01]
DA December 1, 1974
BT1 Cell Division
RT Crossing-Over
RT Gametogenesis
RT Mutations

MEISSNER-OCHSENFELD EFFECT [01]
DA December 1, 1974
RT Superconductivity

MELAMINE [01]
DA December 1, 1974
BT1 Amines
BT2 Organic Compounds
BT1 Triazines
BT2 Azines
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
RT Organic Polymers

MELANIN [01]
DA December 1, 1974
UF+ *Melanocytes*
BT1 Hydroxy Compounds
BT2 Organic Compounds
BT1 Organic Nitrogen Compounds
BT2 Organic Compounds
BT1 Pigments
RT Hair
RT Methyl Tyrosine
RT Skin
RT Tyrosine

Melanocytes
DA December 1, 1974
USE Animal Cells
AND Melanin

MELANOMAS [01]
DA December 1, 1974
BT1 Epitheliomas
BT2 Carcinomas
BT3 Neoplasms
BT4 Diseases

MELANOVANADITE [01]
DA December 1, 1974
BT1 Calcium Oxides
BT2 Calcium Compounds
BT3 Alkaline Earth Metal Compounds
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT1 Oxide Minerals
BT2 Minerals
BT1 Radioactive Minerals
BT2 Minerals
BT2 Radioactive Materials
BT3 Materials
BT1 Vanadium Oxides
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT2 Vanadium Compounds
BT3 Transition Element Compounds

MELATONIN [01]
DA December 1, 1974
BT1 Tryptamines
BT2 Amines
BT3 Organic Compounds
BT2 Indoles
BT3 Azaarenes
BT4 Aromatics
BT5 Organic Compounds
BT4 Heterocyclic Compounds
BT5 Organic Compounds
BT4 Organic Nitrogen Compounds
BT5 Organic Compounds
BT3 Pyrroles
BT4 Azoles
BT5 Heterocyclic Compounds
BT6 Organic Compounds
BT5 Organic Nitrogen Compounds
BT6 Organic Compounds
RT Pineal Gland

Melekess-ARBUS Reactor
DA December 1, 1974
USE ARBUS Reactor

Melekess-MIR Reactor
DA December 1, 1974
USE MIR Reactor

Melekess-SM-2 Reactor
DA December 1, 1974
USE SM-2 Reactor

MELIBIOSE [01]
DA December 1, 1974
BT1 Disaccharides
BT2 Oligosaccharides
BT3 Saccharides
BT4 Carbohydrates
BT5 Organic Compounds

MELILOTIC ACID [01]
DA December 1, 1974
BT1 Hydroxy Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds

MELLIN TRANSFORM [01]
DA December 1, 1974
BT1 Integral Transformations
BT2 Transformations

MELLITIC ACID [01]
DA December 1, 1974
BT1 Carboxylic Acids
BT2 Organic Acids
BT3 Organic Compounds

MELOSH TRANSFORMATION [01]
DA December 1, 1974
BT1 Transformations
RT Hadrons
RT Quantum Field Theory
RT Quarks

Melt Refining Process
DA December 10, 1979
USE Pyrochemical Reprocessing

MELTDOWN [01]
DA December 1, 1974
BT1 Reactor Accidents
BT2 Accidents
RT Core Catchers
RT Corium
RT Source Terms

MELTING [01]
DA December 1, 1974
UF *Fusion (Melting)*
BT1 Phase Transformations
NT1 Electron Beam Melting
NT1 Vacuum Melting
NT1 Zone Melting
RT Casting
RT Crucibles
RT Defrosting
RT Furnaces
RT Heating
RT Melting Points
RT Metallurgical Flux
RT Smelting
RT Solidification
RT Subterrene Penetrators
RT Thawing
RT Welding

MELTING POINTS [01]
DA December 1, 1974
UF *Freezing Points*
BT1 Transition Temperature
BT2 Thermodynamic Properties
BT3 Physical Properties
RT Freeze Protection
RT Melting
RT Phase Diagrams

MELUSINE-1 REACTOR [01]
(CEA-Grenoble Nuclear Studies Centre, Grenoble Cedex, France.)
DA December 1, 1974
UF *Grenoble Reactor Melusine-1*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors

Melusine-2 Reactor
DA December 1, 1974
USE Siloette Reactor

MEMBER STATES [01]
(Countries participating in an international organization.)
DA April 4, 1975
RT International Organizations

MEMBRANE PORES
DA August 22, 1985
RT Cell Membranes
RT Membrane Transport

MEMBRANE PROTEINS
DA October 26, 1987
BT1 Proteins
BT2 Organic Compounds
NT1 Porins
NT1 Receptors
RT Antigens
RT GTP-ases
RT Lipoproteins
RT Membrane Transport

MEMBRANE TRANSPORT [01]
DA March 22, 1976
RT Calmodulin
RT Diffusion
RT Mass Transfer
RT Membrane Pores
RT Membrane Proteins
RT Membranes
RT Osmosis
RT Porins
RT Post-Translation Modification
RT Rhodopsin
RT Supported Liquid Membranes

MEMBRANES [01]
DA December 1, 1974
UF+ *Ion Exchange Membranes*
NT1 Cell Membranes
NT2 Myelin
NT1 Fetal Membranes
NT2 Placenta
NT1 Meninges
NT1 Mucous Membranes
NT2 Conjunctiva
NT1 Photosynthetic Membranes
NT1 Serous Membranes
NT2 Mesentery
NT2 Pericardium
NT2 Peritoneum
NT2 Pleura
NT1 Supported Liquid Membranes
RT Dialysis
RT Membrane Transport
RT Osmosis
RT Permeability

MEMORY DEVICES [01]
DA December 1, 1974
UF *Data Storage Devices*
UF *Punched Cards*
UF *Storage Devices (Data)*
NT1 Cryogenic Storage Devices
* **NT1** Magnetic Storage Devices
NT1 Semiconductor Storage Devices
NT1 Thin Film Storage Devices
RT Punched Tapes

MEMORY MANAGEMENT [01]
DA April 24, 1987
RT Computers
RT Executive Codes
RT Parallel Processing
RT Programming
DEF The task of assigning a computer's main storage within a multitasking environment.

MEN [01]
DA December 1, 1974
BT1 Males
BT1 Man
BT2 Primates
BT3 Mammals
BT4 Vertebrates
BT5 Animals
RT Adults

Mendeleev Periodic System
DA December 1, 1974
USE Periodic System

MENDELEVIUM [01]
DA December 1, 1974
BT1 Actinides
BT2 Metals
BT3 Elements
BT1 Transplutonium Elements
BT2 Transuranium Elements
BT3 Elements

MENDELEVIUM 247 [01]
DA March 11, 1982
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Mendelevium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

MENDELEVIUM 248 [01]
DA February 19, 1975
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Mendelevium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

MENDELEVIUM 249 [01]
DA February 19, 1975
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Mendelevium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

MENDELEVIUM 250 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Mendelevium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

MENDELEVIUM 251 [01]
DA February 19, 1975
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Mendelevium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

MENDELEVIUM 252 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Mendelevium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

MENDELEVIUM 253 [01]
DA November 1, 1976
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Mendelevium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

MENDELEVIUM 254 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Mendelevium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

MENDELEVIUM 255 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Mendelevium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

MENDELEVIUM 256 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Mendelevium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

MENDELEVIUM 257 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei

BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Mendelevium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

MENDELEVIUM 258 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Mendelevium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

MENDELEVIUM 259 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Mendelevium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

MENDELEVIUM 260 [01]
DA April 9, 1985
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Mendelevium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

MENDELEVIUM 261 [01]
DA May 1, 1987
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Mendelevium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

MENDELEVIUM ADDITIONS
DA April 8, 1975
RT Mendelevium Compounds

MENDELEVIUM CARBIDES [01]
DA December 1, 1974
BT1 Carbides
BT2 Carbon Compounds
BT1 Mendelevium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds

MENDELEVIUM COMPLEXES [01]
DA December 1, 1974
BT1 Actinide Complexes
BT2 Complexes
BT1 Transuranium Complexes

MENDELEVIUM COMPOUNDS [01]
DA December 1, 1974
BT1 Actinide Compounds
BT1 Transplutonium Compounds
BT2 Transuranium Compounds
NT1 Mendelevium Carbides
NT1 Mendelevium Nitrides
NT1 Mendelevium Oxides
NT1 Mendelevium Sulfides
RT Mendelevium Additions

MENDELEVIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

MENDELEVIUM ISOTOPES [01]
DA December 1, 1974
BT1 Actinide Isotopes
BT2 Isotopes
NT1 Mendelevium 247
NT1 Mendelevium 248
NT1 Mendelevium 249
NT1 Mendelevium 250
NT1 Mendelevium 251
NT1 Mendelevium 252
NT1 Mendelevium 253
NT1 Mendelevium 254
NT1 Mendelevium 255
NT1 Mendelevium 256
NT1 Mendelevium 257
NT1 Mendelevium 258
NT1 Mendelevium 259
NT1 Mendelevium 260
NT1 Mendelevium 261

MENDELEVIUM NITRIDES [01]
DA December 1, 1974
BT1 Mendelevium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides

MENDELEVIUM OXIDES [01]
DA December 1, 1974
BT1 Mendelevium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds

MENDELEVIUM SULFIDES [01]
DA December 1, 1974
BT1 Mendelevium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds

MENDELSSOHN MODEL [01]
DA December 1, 1974
RT Superconductivity

MENDOCINO-1 REACTOR [01]
DA December 1, 1974
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

MENDOCINO-2 REACTOR [01]
DA December 1, 1974
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

MENDOZA [01]
DA December 1, 1974
BT1 Argentina
BT2 Developing Countries
BT2 South America
BT3 Latin America

MENINGES [01]
DA December 1, 1974
BT1 Membranes
RT Central Nervous System
RT Meningococcus

MENINGOCOCCUS [01]
DA December 1, 1974
BT1 Bacteria
BT2 Microorganisms
RT Meninges

MENOMINEE RIVER [01]
DA December 8, 1980
BT1 Rivers
BT2 Streams
BT3 Surface Waters
RT Hydroelectric Power Plants
RT Michigan
RT Wisconsin

MENOPAUSE [01]
DA December 1, 1974
RT Age Dependence
RT Estrous Cycle
RT Fertility
RT Menstrual Cycle
RT Menstruation Disorders

Menorrhagia
DA December 1, 1974
USE Menstruation Disorders

MENSTRUAL CYCLE [01]
DA November 8, 1984
RT Estrous Cycle
RT Female Genitals
RT Fertility
RT Menopause
RT Menstruation Disorders
RT Ovulation
RT Rhythmicity

MENSTRUATION DISORDERS [01]
DA December 1, 1974
UF *Amenorrhea*
UF *Menorrhagia*
RT Endocrine Diseases
RT Estrous Cycle
RT Female Genitals
RT Menopause
RT Menstrual Cycle
RT Reproductive Disorders
RT Urogenital System Diseases

MENTAL DISORDERS [01]
DA December 1, 1974
UF *Psychoses*
RT Behavior
RT Brain
RT Central Nervous System Agents
RT Nervous System Diseases

Meperidine
DA April 20, 1981
USE Pethidine

MERC PROCESS
DA July 5, 1978
BT1 Coal Gasification
BT2 Gasification

BT3 Thermochemical Processes
RT Packed Beds
DEF Fixed bed, high temperature gasification process (using stirring) for caking coals.

Mercamine
DA December 1, 1974
USE MEA

Mercaptans
DA December 1, 1974
USE Thiols

Mercaptoalanine-Beta
DA December 1, 1974
USE Cysteine

Mercaptoaminoisovaleric Acid
DA December 1, 1974
USE Penicillamine

Mercaptoethylamine
DA December 1, 1974
USE MEA

Mercaptoethylguanidine
DA December 1, 1974
USE MEG

2 Mercaptopropionylglycine
DA February 9, 1982
USE MPG

MERCAPTOPROPYLAMINE [01]
DA December 1, 1974
BT1 Radioprotective Substances
BT2 Drugs

MERCAPTOPURINE [01]
DA December 1, 1974
BT1 Antimetabolites
BT2 Drugs
BT1 Purines
BT2 Azaarenes
BT3 Aromatics
BT4 Organic Compounds
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
BT1 Thiols
BT2 Organic Sulfur Compounds
BT3 Organic Compounds

Mercaptovaline
DA December 1, 1974
USE Penicillamine

MERCIER CRITERION [01]
DA November 19 1985
RT Flute Instability
RT Grad Shafranov Equation
RT Magnetohydrodynamics
RT Plasma Instability
RT Suydam Criterion

MERCURY [01]
DA December 1, 1974
BT1 Metals
BT2 Elements

MERCURY 175 [01]
DA September 15, 1983
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Mercury Isotopes
BT2 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

MERCURY 176 [01]
DA September 15, 1983
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Mercury Isotopes
BT2 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

MERCURY 177 [01]
DA August 4, 1976
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Mercury Isotopes
BT2 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

MERCURY 178 [01]
DA January 30, 1975
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Mercury Isotopes
BT2 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

MERCURY 179 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Mercury Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

MERCURY 180 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Mercury Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

MERCURY 181 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Mercury Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

MERCURY 182 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Mercury Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

MERCURY 183 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Mercury Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

MERCURY 184 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Mercury Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

MERCURY 185 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes

BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Mercury Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

MERCURY 186 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Mercury Isotopes
BT2 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

MERCURY 187 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Mercury Isotopes
BT2 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

MERCURY 188 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Mercury Isotopes
BT2 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

MERCURY 189 [01]
DA December 1, 1974
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Mercury Isotopes
BT2 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

MERCURY 190 [01]
DA December 1, 1974
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Mercury Isotopes
BT2 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

MERCURY 191 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Mercury Isotopes
BT2 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

MERCURY 192 [01]
DA December 1, 1974
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Mercury Isotopes
BT2 Isotopes

MERCURY 193 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Mercury Isotopes
BT2 Isotopes

MERCURY 193 TARGET [01]
DA May 18, 1981
BT1 Targets

MERCURY 194 [01]
DA December 1, 1974
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Mercury Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

MERCURY 195 [01]
DA December 1, 1974
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Mercury Isotopes
BT2 Isotopes

MERCURY 196 [01]
DA December 1, 1974
BT1 Even Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Mercury Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

MERCURY 196 TARGET [01]
DA July 10, 1984
BT1 Targets

MERCURY 197 [01]
DA December 1, 1974
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Mercury Isotopes
BT2 Isotopes

MERCURY 198 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Mercury Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

MERCURY 198 TARGET [01]
DA July 9, 1976
BT1 Targets

MERCURY 199 [01]
DA December 1, 1974
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Mercury Isotopes
BT2 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

MERCURY 199 TARGET [01]
DA July 9, 1976
BT1 Targets

MERCURY 200 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Mercury Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

MERCURY 200 TARGET [01]
DA July 9, 1976
BT1 Targets

MERCURY 201 [01]
DA December 1, 1974
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Mercury Isotopes
BT2 Isotopes
BT1 Microsec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

MERCURY 201 TARGET [01]
DA July 9, 1976
BT1 Targets

MERCURY 202 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Mercury Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

MERCURY 202 TARGET [01]
DA July 9, 1976
BT1 Targets

MERCURY 203 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Mercury Isotopes
BT2 Isotopes

MERCURY 204 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Mercury Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

MERCURY 204 TARGET [01]
DA July 9, 1976
BT1 Targets

MERCURY 205 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Mercury Isotopes
BT2 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

MERCURY 206 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Mercury Isotopes
BT2 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

MERCURY 206 TARGET [01]
DA May 23, 1980
BT1 Targets

MERCURY 207 [01]
DA December 1, 1974
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Mercury Isotopes
BT2 Isotopes

MERCURY 208 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Mercury Isotopes
BT2 Isotopes

MERCURY 209 [01]
DA December 1, 1974
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Mercury Isotopes
BT2 Isotopes

MERCURY 210 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Mercury Isotopes
BT2 Isotopes

MERCURY 211 [01]
DA December 1, 1974
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Mercury Isotopes
BT2 Isotopes

MERCURY 212 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Mercury Isotopes
BT2 Isotopes

MERCURY ADDITIONS [01]
DA December 1, 1974
BT1 Mercury Alloys
BT2 Alloys

MERCURY ALLOYS [01]
DA December 1, 1974
UF *Amalgams*
BT1 Alloys
NT1 Mercury Additions
NT1 Mercury Base Alloys

MERCURY BASE ALLOYS [01]
DA December 1, 1974
BT1 Mercury Alloys
BT2 Alloys

MERCURY BROMIDES [01]
DA December 1, 1974
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Mercury Halides
BT2 Halides
BT3 Halogen Compounds
BT2 Mercury Compounds

MERCURY CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Mercury Halides
BT2 Halides
BT3 Halogen Compounds
BT2 Mercury Compounds

MERCURY COMPLEXES [01]
DA December 1, 1974
BT1 Complexes

MERCURY COMPOUNDS [01]
DA December 1, 1974
NT1 Mercury Halides
NT2 Mercury Bromides
NT2 Mercury Chlorides
NT2 Mercury Fluorides
NT2 Mercury Iodides
NT1 Mercury Hydrides
NT1 Mercury Nitrates
NT1 Mercury Oxides
NT1 Mercury Perchlorates
NT1 Mercury Selenides
NT1 Mercury Sulfates
NT1 Mercury Sulfides
NT2 Cinnabar

NT1 Mercury Tellurides
RT Organic Mercury Compounds

MERCURY COOLED REACTORS [01]
DA December 1, 1974
BT1 Liquid Metal Cooled Reactors
BT2 Reactors
NT1 Clementine Reactor
NT1 SBR-2 Reactor

MERCURY FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Mercury Halides
BT2 Halides
BT3 Halogen Compounds
BT2 Mercury Compounds

MERCURY HALIDES [01]
DA February 20, 1975
BT1 Halides
BT2 Halogen Compounds
BT1 Mercury Compounds
NT1 Mercury Bromides
NT1 Mercury Chlorides
NT1 Mercury Fluorides
NT1 Mercury Iodides

MERCURY HYDRIDES [01]
DA November 24, 1987
BT1 Hydrides
BT2 Hydrogen Compounds
BT1 Mercury Compounds

MERCURY IODIDES [01]
DA December 1, 1974
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds
BT1 Mercury Halides
BT2 Halides
BT3 Halogen Compounds
BT2 Mercury Compounds

MERCURY IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

MERCURY ISOTOPES [01]
DA December 1, 1974
BT1 Isotopes
NT1 Mercury 175
NT1 Mercury 176
NT1 Mercury 177
NT1 Mercury 178
NT1 Mercury 179
NT1 Mercury 180
NT1 Mercury 181
NT1 Mercury 182
NT1 Mercury 183
NT1 Mercury 184
NT1 Mercury 185
NT1 Mercury 186
NT1 Mercury 187
NT1 Mercury 188
NT1 Mercury 189
NT1 Mercury 190
NT1 Mercury 191
NT1 Mercury 192
NT1 Mercury 193
NT1 Mercury 194
NT1 Mercury 195
NT1 Mercury 196
NT1 Mercury 197
NT1 Mercury 198
NT1 Mercury 199
NT1 Mercury 200
NT1 Mercury 201
NT1 Mercury 202
NT1 Mercury 203
NT1 Mercury 204
NT1 Mercury 205
NT1 Mercury 206
NT1 Mercury 207
NT1 Mercury 208
NT1 Mercury 209
NT1 Mercury 210
NT1 Mercury 211
NT1 Mercury 212

MERCURY NITRATES [01]
DA December 1, 1974
BT1 Mercury Compounds
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds

MERCURY OXIDES [01]
DA December 1, 1974
BT1 Mercury Compounds
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds

MERCURY PERCHLORATES [01]
DA March 3, 1978
BT1 Mercury Compounds
BT1 Perchlorates
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Oxygen Compounds

MERCURY PLANET [01]
DA December 1, 1974
BT1 Planets

MERCURY SELENIDES [01]
DA April 8, 1975
BT1 Mercury Compounds
BT1 Selenides
BT2 Chalcogenides
BT2 Selenium Compounds

MERCURY SULFATES [01]
DA December 1, 1974
BT1 Mercury Compounds
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds

MERCURY SULFIDES [01]
DA December 1, 1974
BT1 Mercury Compounds
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds
NT1 Cinnabar
RT Sulfide Minerals

MERCURY TELLURIDES [01]
DA January 21, 1975
BT1 Mercury Compounds
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds

MERISTEMS [01]
DA December 1, 1974
UF *Cambium*
BT1 Plant Tissues
BT2 Tissues
BT3 Body

Merlin-Juelich Reactor
DA December 1, 1974
USE FRJ-1 Reactor

MERLIN REACTOR [01]
DA December 1, 1974
UF *Aldermaston Reactor Merlin*
UF *UKAEA-Merlin Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Materials Testing Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors

MERONS [01]
DA October 23, 1978
BT1 Quasi Particles
RT Instantons
DEF Localized field configurations which possess one-half unit of topological charge and an action which diverges as the logarithm of the volume of space - time, and dominating the large distance structure of quantum chromodynamics. Merons may be mechanism leading to quark confinement.

MESENTERY [01]
DA December 1, 1974
UF *Omentum*
BT1 Serous Membranes
BT2 Membranes
RT Peritoneum
RT Small Intestine

MESH GENERATION [01]
DA December 10, 1979
RT Boundary Element Method
RT Computer Calculations
RT Coordinates
RT Finite Difference Method
RT Finite Element Method
RT Mathematics
RT Nodal Expansion Method
DEF Procedure for preparing coordinate grid for complex calculations, e.g., in hydrodynamics.

MESIC ATOMS [01]
DA December 1, 1974
UF *Mesoatoms*
BT1 Hadronic Atoms
BT2 Atoms
NT1 Kaonic Atoms
NT1 Pionic Atoms
RT Mesic Molecules
RT Mesons
RT Muonic Atoms
RT Pi-K Atoms
RT Pi-Mu Atoms

MESIC MOLECULES [01]
DA December 1, 1974
BT1 Molecules
NT1 Muonic Molecules
RT Mesic Atoms
RT Mesons

MESITYL RADICALS [01]
DA December 1, 1974
BT1 Aryl Radicals
BT2 Radicals

MESITYLENE [01]
DA December 1, 1974
UF *1,3,5-Trimethylbenzene*
BT1 Alkylated Aromatics
BT2 Aromatics
BT3 Organic Compounds
BT1 Hydrocarbons
BT2 Organic Compounds

Mesoatoms
DA December 1, 1974
USE Mesic Atoms

Mesocricetus
DA December 1, 1974
USE Hamsters

MESODIALYTE [01]
DA December 1, 1974
BT1 Niobium Silicates
BT2 Niobium Compounds
BT3 Refractory Metal Compounds
BT3 Transition Element Compounds
BT2 Silicates
BT3 Oxygen Compounds
BT3 Silicon Compounds

BT1 Rare Earth Compounds
BT1 Silicate Minerals
BT2 Minerals
BT1 Zirconium Silicates
BT2 Silicates
BT3 Oxygen Compounds
BT3 Silicon Compounds
BT2 Zirconium Compounds
BT3 Transition Element Compounds

MESON-BARYON INTERACTIONS [01]
DA December 1, 1974
BT1 Hadron Hadron Interactions
BT2 Particle Interactions
BT3 Interactions
NT1 Kaon Deuteron Interactions
NT1 Meson Hyperon Interactions
NT2 Kaon Hyperon Interactions
NT2 Pion Hyperon Interactions
* NT1 Meson Nucleon Interactions
NT1 Pion Deuteron Interactions

MESON BEAMS [01]
DA December 1, 1974
BT1 Particle Beams
BT2 Beams
NT1 Eta Meson Beams
NT1 Kaon Beams
NT1 Pion Beams

Meson Deuteron Interactions
DA December 1, 1974
USE Deuterium Target
AND Meson Reactions

Meson Exchange
DA February 23, 1979
USE Boson Exchange Models

MESON FACTORIES [01]
DA December 1, 1974
BT1 Accelerators
NT1 LAMPF II Synchrotron
NT1 LAMPF Linac
NT1 PIGMI Facilities

MESON-HYPERON INTERACTIONS [01]
DA December 1, 1974
BT1 Meson Baryon Interactions
BT2 Hadron Hadron Interactions
BT3 Particle Interactions
BT4 Interactions
NT1 Kaon Hyperon Interactions
NT1 Pion Hyperon Interactions

MESON-MESON INTERACTIONS [01]
DA December 1, 1974
BT1 Hadron Hadron Interactions
BT2 Particle Interactions
BT3 Interactions
NT1 Kaon Kaon Interactions
NT1 Pion Kaon Interactions
NT1 Pion Pion Interactions

MESON NONETS [01]
DA December 1, 1974
BT1 Particle Multiplets
BT2 Multiplets
RT Pseudoscalar Mesons
RT Tensor Mesons
RT Vector Mesons

MESON-NUCLEON INTERACTIONS [01]
DA December 1, 1974
BT1 Meson Baryon Interactions
BT2 Hadron Hadron Interactions
BT3 Particle Interactions
BT4 Interactions
* NT1 Kaon Nucleon Interactions
* NT1 Pion Nucleon Interactions

MESON OCTETS [01]
DA December 1, 1974
BT1 Particle Multiplets
BT2 Multiplets

MESON REACTIONS [01]
DA December 1, 1974
UF+ *Meson Deuteron Interactions*
BT1 Charged Particle Reactions
BT2 Nuclear Reactions
BT1 Hadron Reactions
BT2 Nuclear Reactions
NT1 Kaon Reactions
NT2 Kaon Minus Reactions
NT2 Kaon Neutral Reactions
NT2 Kaon Plus Reactions
NT1 Pion Reactions
NT2 Pion Minus Reactions
NT2 Pion Neutral Reactions
NT2 Pion Plus Reactions

Meson Resonances
(Prior to April 1989 this was a valid descriptor.)
DA December 1, 1974
USE Mesons

MESON SPECTROSCOPY [01]
DA December 1, 1974
BT1 Spectroscopy
RT Mesons

MESONS [01]
DA December 1, 1974
UF *A Resonances*
UF *A2H 1320 Resonances*
UF *A2L 1280 Resonances*
UF *C 1430 Resonances*
UF *Chi Resonances*
UF *Chi 2800 Resonances*
UF *Chi 3455 Resonances*
UF *Delta Resonances (Meson)*
UF *Epsilon Resonances*
UF *Eta 700 Resonances*
UF *F 1540 Resonances*
UF *Kappa 725 Resonances*
UF *Meson Resonances*
UF *Omega 1778 Resonances*
UF *Pi 1016 Resonances*
UF *Psi Resonances*
UF *Psi 4300 Resonances*
UF *R 1650 Resonances*
UF *Rho 1500 Resonances*
UF *Rho 1700 Resonances*
UF *S 1000 Resonances*
UF *X 2830 Resonances*
BT1 Bosons
BT1 Hadrons
BT2 Elementary Particles
NT1 Antimesons
NT2 Pseudoscalar Antimesons
* NT1 Axial Vector Mesons
NT1 Baryonium
NT1 Beauty Mesons
NT2 B* 5325 Mesons
NT1 Bottomonium
NT2 Chi B0 9860 Mesons
NT2 Chi B0 10235 Mesons
NT2 Chi B1 9895 Mesons
NT2 Chi B1 10255 Mesons
NT2 Chi B2 9915 Mesons
NT2 Chi B2 10270 Mesons
NT2 Upsilon 9460 Mesons
NT2 Upsilon 10023 Mesons
NT2 Upsilon 10355 Mesons
NT2 Upsilon 10575 Mesons
NT2 Upsilon 10860 Mesons
NT2 Upsilon 11020 Mesons
* NT1 Charmed Mesons
NT1 Charmonium
NT2 Chi0 3415 Mesons
NT2 Chi1 3510 Mesons
NT2 Chi2 3555 Mesons
NT2 Eta C 2980 Mesons
NT2 Eta C 3590 Mesons
NT2 J Psi 3097 Mesons
NT2 Psi 3685 Mesons
NT2 Psi 3770 Mesons
NT2 Psi 4030 Mesons
NT2 Psi 4160 Mesons
NT2 Psi 4415 Mesons
NT1 Pomeranchuk Particles
* NT1 Pseudoscalar Mesons
* NT1 Scalar Mesons
* NT1 Strange Mesons
NT1 Strangeonium
NT2 F2 1525 Mesons
NT2 Phi J 1850 Mesons
NT2 Phi 1020 Mesons
NT2 Phi 1680 Mesons
* NT1 Tensor Mesons
NT1 Toponium
* NT1 Vector Mesons
NT1 X 1700 Mesons
NT1 X 1935 Mesons
NT1 X 2220 Mesons
NT1 X 3075 Mesons
RT Mesic Atoms
RT Mesic Molecules
RT Meson Spectroscopy

MESOPHILIC CONDITIONS [01]
DA May 9, 1977
RT Anaerobic Digestion
RT Fermentation
RT Thermophilic Conditions
DEF Temperature range centered at 40°C favoring the growth of certain bacteria

MESOSPHERE [01]
DA December 1, 1974
BT1 Earth Atmosphere

MESOZOIC ERA [01]
DA October 19, 1977
BT1 Geologic Ages
NT1 Cretaceous Period
NT1 Jurassic Period
NT1 Triassic Period

MESQUITE [01]
DA May 18, 1981
BT1 Leguminosae
BT2 Magnoliopsida
BT3 Magnoliophyta
BT4 Plants
BT1 Trees
BT2 Plants

MESSENGER-RNA [01]
DA December 1, 1974
BT1 RNA
BT2 Nucleic Acids
BT3 Organic Compounds
RT DNA Hybridization
RT Post Translation Modification
RT RNA Polymerases
RT RNA Processing
RT Transcription

METABOLIC ACTIVATION [01]
DA January 15, 1980
RT Biological Pathways
RT Chemical Activation
RT Enzyme Activity
RT Metabolism
RT Stimulation

METABOLIC DISEASES [01]
DA December 1, 1974
UF *Obesity*
BT1 Diseases
NT1 Diabetes Mellitus
NT1 Glycosuria
NT1 Rickets
RT Endocrine Diseases
RT Gastrointestinal Tract
RT Liver
RT Metabolism
RT Nutritional Deficiency

Metabolic Pathways
DA December 20, 1978
USE Biological Pathways

METABOLISM [01]
DA December 1, 1974
NT1 Anabolism
NT1 Basal Metabolism
NT1 Catabolism
NT1 Glycolysis
RT Biochemical Reaction Kinetics
RT Biochemistry
RT Biological Functions
RT Biological Markers
RT Biosynthesis
RT Carbon Cycle
RT Carbon Dioxide Fixation
RT Coenzymes
RT Diabetes Mellitus
RT DNA Adducts

RT Enzyme Activity
RT Enzymes
RT Fasting
RT Glucagon
RT Growth
RT Hypothalamus
RT Insulin
RT Krebs Cycle
RT Labelled Pool Techniques
RT Liver
RT Metabolic Activation
RT Metabolic Diseases
RT Metabolites
RT Molecular Biology
RT Nitrogen Cycle
RT Nitrogen Fixation
RT Phosphoenolpyruvate
RT Physiology
RT Precursor
RT Radionuclide Kinetics
RT Renal Clearance
RT Respiration
RT Sulfur Cycle
RT Thermoregulation
RT Thyroid Hormones
RT Vitamins

METABOLITES [01]
DA September 19, 1977
NT1 Glucuronide Conjugates
NT1 Glutathione Conjugates
RT Antimetabolites
RT Carboxylic Acids
RT Krebs Cycle
RT Metabolism
RT Pregnanediol
RT Pregnanetriol
DEF Products of intermediate metabolism.

Metacercariae
DA December 1, 1974
USE Larvae

Metagalaxy
DA December 1, 1974
USE Universe

Metaiodobenzylguanidine
DA April 24, 1987
USE MIBG

Metal Buildings
DA January 7, 1982
USE Prefabricated Buildings

Metal Castings
DA May 5, 1975
USE Castings

METAL-GAS BATTERIES [01]
DA January 27, 1975
BT1 Electric Batteries
BT2 Electrochemical Cells
NT1 Aluminium-Air Batteries
NT1 Cadmium-Air Batteries
NT1 Iron-Air Batteries
NT1 Lithium-Chlorine Batteries
NT1 Lithium-Water-Air Batteries
NT1 Nickel-Hydrogen Batteries
NT1 Silver-Hydrogen Batteries
NT1 Zinc-Air Batteries
NT1 Zinc-Chlorine Batteries
RT Fuel Cells

METAL INDUSTRY [01]
DA April 8, 1975
UF *Steel Industry*
BT1 Industry
RT Beverage Industry
RT Ceramics Industry
RT Foundries
RT Metals
RT Mineral Industry
RT Scrap Metals
RT Smelters

Metal-Insulator-Semiconductor Solar Cells
DA July 18, 1981
USE MIS Solar Cells

Metal-Insulator Solar Cells
DA July 18, 1981
USE MI Solar Cells

METAL-METAL BATTERIES
DA January 27, 1975
BT1 Electric Batteries
BT2 Electrochemical Cells

METAL-METAL OXIDE BATTERIES
DA February 13, 1975
BT1 Electric Batteries
BT2 Electrochemical Cells
NT1 Iron-Nickel Batteries
NT1 Nickel-Cadmium Batteries
NT1 Nickel-Zinc Batteries
NT1 Silver-Cadmium Batteries
NT1 Silver-Zinc Batteries
NT1 Zinc-Manganese Batteries

METAL MODERATED REACTORS [01]
DA December 1, 1974
BT1 Reactors
* NT1 Beryllium Moderated Reactors

METAL-NONMETAL BATTERIES
DA January 27, 1975
BT1 Electric Batteries
BT2 Electrochemical Cells
NT1 Lithium-Copper Chloride Batteries
NT1 Lithium-Sulfur Batteries
NT1 Sodium-Sulfur Batteries
NT1 Zinc-Bromine Batteries

Metal Oxide-Semiconductor Solar Cells
DA July 18, 1981
USE MOS Solar Cells

Metal-Semiconductor Solar Cells
DA July 18, 1981
USE MS Solar Cells

Metal Spraying
DA December 1, 1974
USE Spray Coating

METAL TRANSFER PROCESS [01]
DA December 1, 1974
BT1 Separation Processes
RT Molten Salt Reactors

METAL VAPOR LASERS [01]
DA August 21, 1981
UF *Copper Vapor Lasers*
BT1 Gas Lasers
BT2 Lasers

Metal-Water Reactions
DA April 12, 1977
USE Molten Metal-Water Reactions

METALLIC GLASSES [01]
DA January 21, 1983
UF *Glassy Metals*
RT Alloys
RT Glass
DEF Amorphous alloys produced by extremely rapid quenching of molten transition-metal alloys (e.g., iron, nickel, and/or cobalt). These metallic glasses exhibit unique mechanical, magnetic, and electrical properties, superconductive behavior, and corrosion resistance, depending on the alloys, their formation, and quenching techniques.

METALLOGRAPHY [01]
(Limited to the branch of metallurgy concerned with the preparation and examination of the surface of metals.)
DA December 1, 1974
RT Etching
RT Fractography
RT Materials Testing
RT Microscopy
RT Microstructure
RT Photomicrography
RT Polishing
RT Surface Finishing

Metalloids
DA December 1, 1974
USE Semimetals

METALLOPROTEINS [01]
DA April 17, 1981
BT1 Proteins
BT2 Organic Compounds
NT1 Ceruloplasmin
NT1 Ferredoxin
NT1 Ferritin
NT1 Hemocyanin
NT1 Hemosiderin
NT1 Lactoferrin
NT1 Metallothionein
NT1 Rubredoxin
NT1 Transferrin
RT Complexes
RT Metals

METALLOTHIONEIN [01]
DA November 25, 1980
BT1 Metalloproteins
BT2 Proteins
BT3 Organic Compounds
RT Metals
DEF A metal-binding protein synthesized mainly in the liver and kidneys in response to metal exposure.

METALLURGICAL EFFECTS
DA January 21, 1975
UF *Alloying Effects*
RT Metallurgy
DEF The effect of an alloying element on the physical, mechanical, or chemical properties of an alloy.

METALLURGICAL FLUX [01]
DA December 1, 1974
UF *Flux (Metallurgy)*
UF *Solder Fluxes*
UF *Soldering Fluxes*
RT Melting
RT Welding

METALLURGY [01]
(Use of a more specific term is recommended, see also EXTRACTIVE METALLURGY or FABRICATION.)
DA December 1, 1974
NT1 Electrometallurgy
NT1 Extractive Metallurgy
NT2 Hydrometallurgy
NT2 Pyrometallurgy
NT3 Chloride Volatility Process
NT3 Fluoride Volatility Process
NT1 Physical Metallurgy
NT1 Powder Metallurgy
RT Metallurgical Effects
RT Zone Refining

METALS [01]
DA December 1, 1974
BT1 Elements
* NT1 Actinides
* NT1 Alkali Metals
* NT1 Alkaline Earth Metals
NT1 Aluminium
NT1 Antimony
NT1 Bismuth
NT1 Cadmium
NT1 Gallium
NT1 Germanium
NT1 Indium
NT1 Lead
NT1 Liquid Metals
NT1 Mercury
NT1 Polonium
* NT1 Rare Earths
NT1 Refractory Metals
NT1 Scrap Metals
NT1 Thallium
NT1 Tin
* NT1 Transition Elements
NT1 Zinc
RT Azbel-Kaner Resonance

RT Carbonyls
RT Gruenelsen Formula
RT Metal Industry
RT Metalloproteins
RT Metallothionein
RT Semimetals
RT Work Functions

METAMICT STATE [01]
DA February 23, 1982
RT Crystal Structure
RT Minerals
RT Physical Radiation Effects
DEF State of a radioactive mineral, exhibiting lattice disruption due to radiation damage while the original external morphology is retained.

METAMORPHIC ROCKS [01]
DA December 1, 1974
UF+ *Crystalline Rocks*
BT1 Rocks
NT1 Amphibolites
NT1 Gneisses
NT1 Granulites
NT1 Hornfelses
NT1 Marble
NT1 Quartzites
NT1 Schists
NT1 Serpentinites
RT Basement Rock

METAMORPHISM [01]
DA December 1, 1974
RT Geology
RT Hydrothermal Stage
RT Tectonics
DEF The mineralogical and structural adjustment of solid rocks to physical and chemical conditions which have been imposed at depth below the surface zones of weathering and cementation, which differ from the conditons under which the rocks in question originated.

METAMORPHOSIS [01]
DA December 1, 1974
RT Adults
RT Age Groups
RT Amphibians
RT Animal Growth
RT Larvae
RT Ontogenesis
RT Pupae

Metaphase
DA December 1, 1974
USE Mitosis

METASTABLE STATES [01]
(For atomic and molecular states only, for nuclear states use ISOMERIC NUCLEI.)
DA December 1, 1974
BT1 Excited States
BT2 Energy Levels

METASTASES [01]
DA December 1, 1974
RT Neoplasms

METEORIC WATER
DA January 23, 1975
BT1 Ground Water
BT2 Water
BT3 Hydrogen Compounds
BT3 Oxygen Compounds
RT Atmospheric Precipitations
DEF Water of recent atmospheric origin.

METEORITES [01]
DA December 1, 1974
NT1 Iron Meteorites
NT1 Stone Meteorites
NT2 Achondrites
NT2 Chondrites
RT Meteoroids
RT Tektites

METEOROIDS [01]
DA December 1, 1974
UF *Meteors*
RT Meteorites
RT Solar System

METEOROLOGY [01]
DA December 1, 1974
RT Acoustic Radar
RT Atmospheric Circulation
RT Atmospheric Precipitations
RT Buoys
RT Climates
RT Cloud Cover
RT Clouds
RT Complex Terrain
RT Condensation Nuclei
RT Earth Atmosphere
RT General Circulation Models
RT Seasons
RT Site Characterization
RT Site Selection
RT Storms
RT Temperature Inversions
RT Weather
RT Wind

Meteors
DA December 1, 1974
USE Meteoroids

Meter Wave Radiation
DA December 1, 1974
USE MHz Range
AND Radiowave Radiation

METERING
DA October 27, 1980
NT1 Master Metering
RT Measuring Methods
RT Power Meters

METERS
DA November 8, 1980
BT1 Measuring Instruments
NT1 Activity Meters
NT1 Carbon Meters
NT1 Flowmeters
NT1 Gas Meters
NT1 Heat Meters
NT1 Hydrogen Meters
NT1 Oxygen Meters
NT1 Power Meters
NT1 Reactivity Meters
NT1 Sulfur Meters
NT1 Tritium Meters

METHACRYLATES [01]
DA December 1, 1974
BT1 Carboxylic Acid Salts
RT Vinyl Monomers

METHACRYLIC ACID [01]
DA December 1, 1974
UF *Methacrylic Acid-Alpha*
BT1 Monocarboxylic Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
RT Polyacrylates
RT Vinyl Monomers

Methacrylic Acid-Alpha
DA December 1, 1974
USE Methacrylic Acid

METHACRYLIC ACID ESTERS [01]
DA December 1, 1974
BT1 Carboxylic Acid Esters
BT2 Esters
BT3 Organic Compounds
NT1 Methyl Methacrylate
RT PMMA
RT Vinyl Monomers

METHADONE HYDROCHLORIDE [01]
DA December 15, 1976
BT1 Narcotics
BT2 Central Nervous System Depressants
BT3 Drugs

METHANATION
DA February 19, 1975
BT1 Chemical Reactions
RT Beacon Process
RT JGC Methane-Rich Gas Process
RT Liquid Phase Methanation Process
RT Reduction
RT Shift Processes
RT Synthesis Gas
DEF Preparation of CH_4 from CO and H.

METHANE [01]
DA December 1, 1974
UF *Biogas*
UF *Digester Gas*
UF *Firedamp*
UF+ *Gobar Gas*
BT1 Alkanes
BT2 Hydrocarbons
BT3 Organic Compounds
RT Biothermgas Process
RT Bromoform
RT Carbon Tetrachloride
RT Carbon Tetrafluoride
RT Cryogenic Fluids
RT EMS
RT Greenhouse Gases
RT Methanotrophic Bacteria
RT Methyl Chloride
RT Methylene Chloride

Methane Hydrate Deposits
DA January 21, 1983
USE Natural Gas Hydrate Deposits

Methane Hydrates
DA January 21, 1983
USE Gas Hydrates

Methane Rich Gas Process
DA January 26, 1976
USE JGC Methane-Rich Gas Process

METHANOGENIC BACTERIA [01]
DA March 3, 1978
BT1 Bacteria
BT2 Microorganisms
NT1 Clostridium Acetobutylicum
DEF Bacteria which ferment various organic materials with the production of methane.

METHANOL [01]
DA December 1, 1974
UF *Carbinol*
UF *Methyl Alcohol*
UF *Wood Alcohol*
UF+ *Methyl-Fuel*
BT1 Alcohols
BT2 Hydroxy Compounds
BT3 Organic Compounds
RT Liquid Phase Methanol Process
RT Methanol Fuels

METHANOL FUELS [01]
(Pure methanol, methanol-water mixtures, or methanol with additives; for methanol-gasoline mixtures, use GASOHOL.)
DA September 6, 1979
BT1 Alcohol Fuels
BT2 Synthetic Fuels
BT3 Fuels
RT Automotive Fuels
RT Gasohol
RT Methanol

METHANOL PLANTS
DA February 23, 1979
BT1 Industrial Plants
RT Biomass Conversion Plants
RT Chemical Plants
RT Coal Gasification
RT Gasoline Plants

METHANOTROPHIC BACTERIA [01]
DA May 21, 1983
BT1 Bacteria
BT2 Microorganisms
RT Cell Cultures

RT Methane
DEF Gram-negative bacteria which secure growth energy by the oxidation of methane.

METHEMOGLOBIN [01]
DA December 1, 1974
BT1 Hemoglobin
BT2 Globins
BT3 Proteins
BT4 Organic Compounds
BT2 Pigments
BT2 Porphyrins
BT3 Heterocyclic Acids
BT4 Carboxylic Acids
BT5 Organic Acids
BT6 Organic Compounds
BT4 Heterocyclic Compounds
BT5 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
RT Erythrocytes
RT Heme
RT Respiration

METHENAMINE
DA April 20, 1981
BT1 Antimicrobial Agents
BT2 Anti-Infective Agents
BT3 Drugs

METHIONINE [01]
DA December 1, 1974
UF *Methylmercaptoaminobutyric Acid*
UF *Methylthioaminobutyric Acid*
BT1 Amino Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT1 Lipotropic Factors
BT2 Drugs
BT1 Organic Sulfur Compounds
BT2 Organic Compounds
RT Methyl Transferases

METHOTREXATE [01]
DA December 1, 1974
UF *Amethopterin*
BT1 Antimetabolites
BT2 Drugs

METHOXY RADICALS [01]
DA December 1, 1974
BT1 Alkoxy Radicals
BT2 Radicals

Methoxybenzene
DA December 1, 1974
USE Anisole

METHYL ACETATE
DA September 15, 1983
BT1 Acetic Acid Esters
BT2 Carboxylic Acid Esters
BT3 Esters
BT4 Organic Compounds

Methyl Alcohol
DA December 1, 1974
USE Methanol

METHYL BROMIDE [01]
DA November 1, 1976
BT1 Brominated Aliphatic Hydrocarbons
BT2 Halogenated Aliphatic Hydrocarbons
BT3 Organic Halogen Compounds
BT4 Organic Compounds
BT2 Organic Bromine Compounds
BT3 Organic Halogen Compounds
BT4 Organic Compounds

METHYL CHLORIDE [01]
DA September 11, 1978
BT1 Chlorinated Aliphatic Hydrocarbons
BT2 Halogenated Aliphatic Hydrocarbons
BT3 Organic Halogen Compounds
BT4 Organic Compounds
BT2 Organic Chlorine Compounds
BT3 Organic Halogen Compounds
BT4 Organic Compounds
RT Methane

METHYL ETHER [01]
DA January 21, 1975
BT1 Ethers
BT2 Organic Oxygen Compounds
BT3 Organic Compounds

Methyl Ethyl Diketone
DA December 1, 1974
USE 2-3-Pentanedione

METHYL FLUORIDE [01]
DA September 11, 1978
BT1 Fluorinated Aliphatic Hydrocarbons
BT2 Halogenated Aliphatic Hydrocarbons
BT3 Organic Halogen Compounds
BT4 Organic Compounds
BT2 Organic Fluorine Compounds
BT3 Organic Halogen Compounds
BT4 Organic Compounds

Methyl-Fuel
(Trademark name for proprietary blend of methanol and controlled amounts of C_2-C_4 alcohols.)
DA May 13, 1976
USE Alcohols
AND Methanol

Methyl Glycocoll
DA December 1, 1974
USE Sarcosine

METHYL IODIDE [01]
DA December 1, 1974
BT1 Iodinated Aliphatic Hydrocarbons
BT2 Halogenated Aliphatic Hydrocarbons
BT3 Organic Halogen Compounds
BT4 Organic Compounds
BT2 Organic Iodine Compounds
BT3 Organic Halogen Compounds
BT4 Organic Compounds

METHYL ISOBUTYL KETONE [01]
DA December 1, 1974
UF *MIBK*
BT1 Ketones
BT2 Organic Compounds

METHYL METHACRYLATE
DA May 6, 1975
BT1 Methacrylic Acid Esters
BT2 Carboxylic Acid Esters
BT3 Esters
BT4 Organic Compounds
RT PMMA

METHYL METHANESULFONATE [01]
DA May 17, 1976
UF *MMS*
BT1 Mutagens
BT1 Sulfonic Acid Esters
BT2 Esters
BT3 Organic Compounds
BT2 Organic Sulfur Compounds
BT3 Organic Compounds

Methyl Nitrate
DA November 25, 1980
USE Nitric Acid Esters

METHYL NITROSOUREA
DA July 23, 1980
UF *MNU*
BT1 Carbonic Acid Derivatives
BT2 Organic Compounds
BT1 Mutagens
BT1 Nitroso Compounds
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds

METHYL ORANGE [01]
DA December 1, 1974
BT1 Amines
BT2 Organic Compounds
BT1 Azo Dyes
BT2 Azo Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
BT2 Dyes
BT1 Indicators
BT1 Sulfonic Acids
BT2 Organic Acids
BT3 Organic Compounds
BT2 Organic Sulfur Compounds
BT3 Organic Compounds

Methyl Phenols
DA December 1, 1974
USE Cresols

Methyl Phenyl Ether
DA December 1, 1974
USE Anisole

Methyl Phenyl Ketone
DA December 1, 1974
USE Acetophenone

Methyl Pyridines
DA December 1, 1974
USE Picolines

METHYL RADICALS [01]
DA December 1, 1974
BT1 Alkyl Radicals
BT2 Radicals

METHYL RED [01]
DA December 1, 1974
BT1 Amino Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT1 Azo Dyes
BT2 Azo Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
BT2 Dyes
BT1 Indicators

METHYL TRANSFERASES [01]
DA June 29, 1984
BT1 Carbon-Group Transferases
BT2 Transferases
BT3 Enzymes
BT4 Proteins
BT5 Organic Compounds
RT DNA Methylases
RT DNA Repair
RT Methionine
DEF A group of enzymes which mediate one carbon metabolism

METHYL TYROSINE [01]
DA September 22, 1981
BT1 Amino Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT1 Aromatics
BT2 Organic Compounds
BT1 Hydroxy Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
RT Melanin
RT Radiopharmaceuticals
RT Tyrosine

METHYL VIOLET [01]
DA December 1, 1974
UF *Crystal Violet*
BT1 Amines
BT2 Organic Compounds
BT1 Triphenylmethane Dyes
BT2 Dyes

Methyl Viologen
DA December 8, 1980
USE Bipyridines

Methylacetylene
DA December 1, 1974
USE Propyne

METHYLAL [01]
DA December 1, 1974
UF *1,2-Dimethoxymethane*
UF *Formal*
UF *Formaldehydedimethylacetal*
BT1 Ethers
BT2 Organic Oxygen Compounds
BT3 Organic Compounds
RT Formaldehyde

METHYLAMINE [01]
DA October 28, 1975
BT1 Amines
BT2 Organic Compounds

Methylaminoacetic Acid
DA December 1, 1974
USE Sarcosine

METHYLATION [01]
DA December 1, 1974
BT1 Chemical Reactions

Methylbenzene
DA December 1, 1974
USE Toluene

2-Methylbutadiene
DA December 1, 1974
USE Isoprene

2-METHYLBUTANE [01]
DA September 26, 1979
UF *Isopentane*
BT1 Alkanes
BT2 Hydrocarbons
BT3 Organic Compounds

3-METHYLCHOLANTHRENE [01]
DA July 18, 1979
BT1 Condensed Aromatics
BT2 Aromatics
BT3 Organic Compounds
BT1 Polycyclic Aromatic Hydrocarbons
BT2 Aromatics
BT3 Organic Compounds
BT2 Hydrocarbons
BT3 Organic Compounds
RT Combustion Products

METHYLENE BLUE [01]
DA December 1, 1974
BT1 Amines
BT2 Organic Compounds
BT1 Antimicrobial Agents
BT2 Anti-Infective Agents
BT3 Drugs
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Phenothiazines
BT2 Azines
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
BT2 Organic Sulfur Compounds
BT3 Organic Compounds

METHYLENE CHLORIDE [01]
DA February 23, 1982
UF *Dichloromethane*
BT1 Organic Chlorine Compounds
BT2 Organic Halogen Compounds
BT3 Organic Compounds
RT Methane

METHYLENE RADICALS [01]
DA December 1, 1974
UF *Methylidene Radicals*
BT1 Radicals

Methylidene Radicals
DA December 1, 1974
USE Methylene Radicals

Methylmercaptoaminobutyric Acid
DA December 1, 1974
USE Methionine

METHYLMERCURY
DA March 11, 1976
BT1 Organic Mercury Compounds
BT2 Organic Compounds

METHYLNAPHTHALENES
DA February 21, 1986
BT1 Alkylated Aromatics
BT2 Aromatics
BT3 Organic Compounds
BT1 Condensed Aromatics
BT2 Aromatics
BT3 Organic Compounds

2-METHYLPROPANE [01]
DA December 1, 1974
UF *Isobutane*
BT1 Alkanes
BT2 Hydrocarbons
BT3 Organic Compounds

2-METHYLPROPANOL [01]
DA December 1, 1974
UF *Isobutyl Alcohol*
BT1 Alcohols
BT2 Hydroxy Compounds
BT3 Organic Compounds

2-METHYLPROPENE [01]
DA December 1, 1974
UF *Isobutylene*
BT1 Alkenes
BT2 Hydrocarbons
BT3 Organic Compounds

2-Methylquinoline
DA December 1, 1974
USE Quinaldine

Methyltetrahydrofuran
DA February 6, 1975
USE MTHF

Methylthioaminobutyric Acid
DA December 1, 1974
USE Methionine

METHYLTHYMOL BLUE [01]
DA December 1, 1974
BT1 Indicators
BT1 Triphenylmethane Dyes
BT2 Dyes

5-Methyluracil
DA December 1, 1974
USE Thymine

METRIC SYSTEM
DA December 16, 1975
RT SI Units

METRICS [01]
DA December 1, 1974
NT1 Kerr Metric
NT1 Schwarzschild Metric
RT Curvilinear coordinates
RT Fractals
RT Gravitational Fields
RT Mathematical Space
RT Mathematics
RT Matrices
RT Measure Theory
RT Relativity Theory
RT Space-Time
RT Tensors

METRIZAMIDE [01]
DA September 22, 1981
UF *Amipaque*
BT1 Amides
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
BT1 Contrast Media

METRONIDAZOLE [01]
DA January 28, 1975
UF *Flagyl*
BT1 Alcohols
BT2 Hydroxy Compounds
BT3 Organic Compounds
BT1 Antineoplastic Drugs
BT2 Drugs
BT1 Imidazoles
BT2 Azoles
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
BT1 Nitro Compounds
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
BT1 Radiosensitizers
BT2 Drugs

Metropolitan Areas
DA December 1, 1974
USE Urban Areas

MEV RANGE [01]
DA December 1, 1974
BT1 Energy Range
NT1 MeV Range 01-10
NT1 MeV Range 10-100
NT1 MeV Range 100-1000

MEV RANGE 01-10 [01]
DA December 1, 1974
BT1 MeV Range
BT2 Energy Range

MEV RANGE 10-100 [01]
DA December 1, 1974
BT1 MeV Range
BT2 Energy Range

MEV RANGE 100-1000 [01]
DA December 1, 1974
BT1 MeV Range
BT2 Energy Range

MEVALONIC ACID [01]
DA December 1, 1974
BT1 Hydroxy Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds

MEXAMINE [01]
DA December 1, 1974
BT1 Ethers
BT2 Organic Oxygen Compounds
BT3 Organic Compounds
BT1 Radioprotective Substances
BT2 Drugs

MEXICAN ORGANIZATIONS [01]
DA January 26, 1976
BT1 National Organizations

Mexican TRIGA-Mark-3 Reactor
DA January 28, 1975
USE TRIGA-3-Salazar Reactor

MEXICO [01]
DA December 1, 1974
BT1 Developing Countries
BT1 Latin America
BT1 North America
RT Cerro Prieto Geothermal Field
RT OAS
RT Pathe Geothermal Field
RT Rio Grande River

MEYERS PROCESS
DA January 30, 1975
BT1 Desulfurization
BT2 Chemical Reactions
DEF Process for removal of pyritic sulfur from coal by ferric sulfate leaching.

MFTF DEVICES [01]
(Prior to October 1977, MX DEVICES was used to index this concept.)
DA October 20, 1977
UF *Mirror Fusion Test Facility*
UF *MX Devices*
BT1 Magnetic Mirrors
BT2 Open Plasma Devices
BT3 Thermonuclear Devices

MFX Device
(Mirror Fusion Experiment.)

DA April 30, 1975
USE Magnetic Mirrors

MH-1A REACTOR [01]
DA December 1, 1974
UF *Floating Nuclear Power Plant-Sturgis*
UF *Sturgis-Floating Nuclear Power Plant*
BT1 Experimental Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Mobile Reactors
BT2 Reactors
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

MHD CHANNELS [01]
DA December 1, 1974
UF *Magnetohydrodynamic Channels*
RT Diffusers
RT MHD Generators
RT MHD Power Plants
RT Plasma Seeding

MHD EQUILIBRIUM [01]
DA June 14, 1984
BT1 Equilibrium
RT Magnetohydrodynamics
RT Plasma Instability

MHD GENERATOR AEDC
DA February 11, 1980
UF *High Performance Demonstration Experiment*
UF *HPDE*
UF *MHD High Performance Demonstration Experiment*
BT1 MHD Generators
BT2 Direct Energy Converters
DEF MHD test facility at Arnold Engineering Development Center which simulates coal-fired MHD.

MHD GENERATOR AERL MARK VI
(Oil-fired MHD test facility at Avco Everett Research Laboratory, Massachusetts.)
DA May 2, 1979
BT1 MHD Generators
BT2 Direct Energy Converters
RT MHD Generator AERL Mark VII

MHD GENERATOR AERL MARK VII
DA May 7, 1985
BT1 MHD Generators
BT2 Direct Energy Converters
RT MHD Generator AERL Mark VI

MHD GENERATOR CDIF [01]
(Coal-fired Component Development and Integration Facility at Butte, Montana.)
DA May 2, 1979
BT1 Coal-Fired MHD Generators
BT2 MHD Generators
BT3 Direct Energy Converters

MHD GENERATOR CFFF [01]
(Coal Fired Flow Facility for MHD generator component testing at Tullahoma, Tenn.)
DA May 9, 1979
UF *CFFF*
BT1 Coal-Fired MHD Generators
BT2 MHD Generators
BT3 Direct Energy Converters

MHD GENERATOR ETF
(Engineering Test Facility. DOE coal-fired combined-cycle MHD/steam demonstration plant.)
DA May 2, 1979
BT1 Coal-Fired MHD Generators
BT2 MHD Generators
BT3 Direct Energy Converters
BT1 Combined-Cycle Power Plants
BT2 Thermal Power Plants
BT3 Power Plants
BT1 MHD Power Plants
BT2 Power Plants

MHD GENERATOR ETL MARK V
(Gas- or oil-fired MHD test facility at the Electrotechnical Laboratory, Japan.)
DA May 2, 1979
BT1 MHD Generators
BT2 Direct Energy Converters

MHD GENERATOR U-02
(Natural-gas fired MHD test facility in the USSR.)
DA May 2, 1979
BT1 MHD Generators
BT2 Direct Energy Converters

MHD GENERATOR U-25
(Natural-gas fired MHD pilot plant in the USSR.)
DA May 2, 1979
BT1 MHD Generators
BT2 Direct Energy Converters

MHD GENERATOR UTSI
(Coal-fired MHD generator at University of Tennessee Space Institute.)
DA May 2, 1979
BT1 Coal-Fired MHD Generators
BT2 MHD Generators
BT3 Direct Energy Converters

MHD GENERATORS [01]
DA December 1, 1974
UF *Faraday Generators*
UF *Hall Generators*
UF *Magnetohydrodynamic Generators*
BT1 Direct Energy Converters
NT1 Closed-Cycle MHD Generators
NT1 Coal-Fired MHD Generators
NT2 MHD Generator CDIF
NT2 MHD Generator CFFF
NT2 MHD Generator ETF
NT2 MHD Generator UTSI
NT1 Disk MHD Generators
NT1 Liquid-Metal MHD Generators
NT1 MHD Generator AEDC
NT1 MHD Generator AERL Mark VI
NT1 MHD Generator AERL Mark VII
NT1 MHD Generator ETL Mark V
NT1 MHD Generator U-02
NT1 MHD Generator U-25
NT1 Open-Cycle MHD Generators
NT1 Pulsed MHD Generators
RT End Effects
RT Magnetohydrodynamics
RT MHD Channels
RT MHD Power Plants
RT Plasma Seeding
RT Seed Recovery
RT Vapor Jet Ejectors
RT Vapor Separators

MHD High Performance Demonstration Experiment
DA February 11, 1980
USE MHD Generator AEDC

MHD POWER PLANTS [01]
DA April 8, 1975
BT1 Power Plants
NT1 MHD Generator ETF
RT Fossil-Fuel Power Plants
RT Magnetohydrodynamics
RT MHD Channels
RT MHD Generators

MHZ RANGE [01]
DA December 1, 1974
UF *Very High Frequency*
UF *Vhf*
UF+ *Meter Wave Radiation*
UF+ *Very High Frequency Radiation*
UF+ *Vhf Radiation*
BT1 Frequency Range
NT1 MHz Range 01-100
NT1 MHz Range 100-1000
RT Radioastronomy

MHZ RANGE 01-100 [01]
DA December 1, 1974
BT1 MHz Range
BT2 Frequency Range

MHZ RANGE 100-1000 [01]
DA December 1, 1974
UF+ *Decimeter Wave Radiation (3-10Dm)*
UF+ *Uhf Radiation (100-1000 Mhz)*
UF+ *Uhf Radiation (Lower Range)*
UF+ *Ultrahigh Frequency Radiation (100-1000 Mhz)*
UF+ *Ultrahigh Frequency Radiation (Lower Range)*
BT1 MHz Range
BT2 Frequency Range

MI SOLAR CELLS [01]
DA July 18, 1981
UF *Metal-Insulator Solar Cells*
BT1 Solar Cells
BT2 Photovoltaic Cells
BT3 Photoelectric Cells
BT4 Direct Energy Converters
BT2 Solar Equipment
BT3 Equipment

MI VIDA MINE [01]
DA December 1, 1974
BT1 Uranium Mines
BT2 Mines
BT3 Underground Facilities

MIBG
DA April 24, 1987
UF *Metaiodobenzylguanidine*
BT1 Radiopharmaceuticals
BT2 Drugs
BT2 Labelled Compounds

MIBK
DA December 1, 1974
USE Methyl Isobutyl Ketone

MICA [01]
DA December 1, 1974
BT1 Silicate Minerals
BT2 Minerals
NT1 Biotite
NT1 Muscovite
NT1 Paragonite
NT1 Vermiculite
RT Dielectric Materials
RT Dielectric Track Detectors
RT Kimberlites
RT Pegmatites

MICE [01]
DA December 1, 1974
BT1 Rodents
BT2 Mammals
BT3 Vertebrates
BT4 Animals
NT1 Transgenic Mice

Micellar-Polymer Flooding
DA June 7, 1976
USE Microemulsion Flooding

MICELLAR SYSTEMS
DA August 19, 1975
RT Colloids
RT Microemulsions
RT Molecules
RT Particles
DEF Submicroscopic aggregates of molecules.

MICHELSON INTERFEROMETER [01]
DA April 12, 1977
BT1 Interferometers
BT2 Measuring Instruments

MICHIGAN [01]
DA December 1, 1974

BT1 USA
BT2 Developed Countries
BT2 North America
RT Au Sable River
RT Detroit River
RT Grand River
RT Menominee River
RT Saginaw River
RT Saint Clair River

Michigan State TRIGA-Mk-1 Reactor
(Prior to November 1990 this was a valid descriptor.)
DA June 12, 1975
USE TRIGA-1-Michigan Reactor

Michigan State University Cyclotrons
DA December 1, 1974
USE MSU Cyclotrons

MICRO AMP BEAM CURRENTS [01]
(Below .001 amp.)
DA December 1, 1974
BT1 Beam Currents
BT2 Currents

MICRO-SCALE HYDROELECTRIC POWER PLANTS
DA May 12, 1982
BT1 Hydroelectric Power Plants
BT2 Power Plants
DEF Hydroelectric power plants producing less than 100 kW.

MICROANALYSIS [01]
DA December 1, 1974
NT1 Deuteron Microprobe Analysis
NT1 Electron Microprobe Analysis
NT1 Ion Microprobe Analysis
NT1 Proton Microprobe Analysis
RT Impurities
RT Qualitative Chemical Analysis
RT Quantitative Chemical Analysis
RT Trace Amounts

MICROBALANCES [01]
DA December 1, 1974
BT1 Balances
BT2 Weight Indicators
BT3 Measuring Instruments

→**MICROBIAL DRUG RESISTANCE [01]**
DA June 11, 1992
RT Drugs
RT Microorganisms
DEF The resistance developed by microorganisms to a drug.

Microbial Enhanced Oil Recovery
DA October 27, 1980
USE Microbial EOR

MICROBIAL EOR [01]
DA October 27, 1980
UF *Microbial Enhanced Oil Recovery*
BT1 Enhanced Recovery
RT Bacillus Licheniformis
RT Corynebacterium Fascians
RT Microbial Leaching
RT Microorganisms

Microbial Flora
DA December 1, 1974
USE Microorganisms

MICROBIAL LEACHING [01]
DA October 27, 1988
BT1 Leaching
BT2 Dissolution
BT2 Separation Processes
RT Microbial EOR

Microbial Processes
DA January 23, 1978
SEE Anaerobic Digestion
OR Bioconversion
OR Biodegradation
OR Biophotolysis
OR Fermentation

Microcephaly
DA December 1, 1974
USE Malformations

MICROCHANNEL ELECTRON MULTIPLIERS [01]
DA April 19, 1976
BT1 Electron Multipliers
BT2 Electron Tubes

MICROCLIMATES [01]
DA June 13, 1981
BT1 Climates
RT Thermal Comfort
DEF The local, rather uniform, climate of a specific place or habitat, compared with the climate of the entire area of which it is a part.

MICROCLINE
DA June 2, 1977
BT1 Feldspars
BT2 Silicate Minerals
BT3 Minerals
DEF A white to pale yellow, green, or occasionally red mineral of the feldspar group, like orthoclase or common feldspar in composition, but triclinic in form, $K(AlSi_3O_8)$.

MICROCOCCUS [01]
DA December 1, 1974
BT1 Bacteria
BT2 Microorganisms
NT1 Micrococcus Luteus
NT1 Micrococcus Lysodeicticus
NT1 Micrococcus Radiodurans

MICROCOCCUS LUTEUS [01]
DA November 10, 1977
BT1 Micrococcus
BT2 Bacteria
BT3 Microorganisms
RT Nucleases

MICROCOCCUS LYSODEICTICUS [01]
DA December 1, 1974
BT1 Micrococcus
BT2 Bacteria
BT3 Microorganisms

MICROCOCCUS RADIODURANS [01]
DA December 1, 1974
BT1 Micrococcus
BT2 Bacteria
BT3 Microorganisms

MICROCOMPUTERS [01]
DA August 5, 1976
BT1 Digital Computers
BT2 Computers
NT1 Personal Computers

MICROCOSMS
DA July 6, 1981
RT Biological Models
RT Functional Models
RT Mathematical Models
RT Mockup
RT Simulators
DEF Experimental units designed to contain important components of and to exhibit important processes occurring in a whole ecosystem.

MICRODOSIMETRY [01]
DA December 1, 1974
BT1 Dosimetry
RT Energy Losses
RT LET
RT Spatial Dose Distributions
RT Wall Effects

MICROEARTHQUAKES [01]
DA April 8, 1975
BT1 Earthquakes
BT2 Seismic Events
RT Aftershocks
DEF An earthquake having a magnitude of two or less on the Richter scale.

MICROELECTRONIC CIRCUITS [01]
DA April 8, 1975
BT1 Electronic Circuits
NT1 Integrated Circuits
NT1 Microprocessors
NT2 Apple Computers
RT Microelectronics
RT Printed Circuits

MICROELECTRONICS [01]
DA December 1, 1974
RT Electronic Circuits
RT Microelectronic Circuits

MICROEMULSION FLOODING [01]
DA June 7, 1976
UF *Micellar-Polymer Flooding*
SF *Polymer Flooding*
BT1 Miscible-Phase Displacement
BT2 Fluid Injection
RT Enhanced Recovery
RT Petroleum
RT Well Stimulation

MICROEMULSIONS [01]
DA July 7, 1976
BT1 Emulsions
BT2 Colloids
BT3 Dispersions
RT Micellar Systems
RT Well Stimulation
DEF Optically isotropic, clear, and stable dispersions of oil, water, surfactant, and cosurfactant; the latter is often an alcohol.

Microflora
DA December 1, 1974
USE Microorganisms

MICROHARDNESS [01]
DA December 1, 1974
BT1 Hardness
BT2 Mechanical Properties
RT Ceramography

MICRONESIA [01]
DA December 11, 1978
BT1 Islands
BT1 Oceania
NT1 Kiribati
NT1 Marshall Islands
NT2 Bikini
NT2 Eniwetok
NT1 Nauru
NT1 Tuvalu
RT Pacific Ocean
DEF Islands of W. Pacific Ocean E. of Phillipines; includes the Mariana, Palau, Caroline, Marshall, and Gilbert Islands.

MICROORGANISMS [01]
DA December 1, 1974
UF *Germs (Microorganisms)*
UF *Microbial Flora*
UF *Microflora*
NT1 Bacteria
NT2 Actinomyces
NT3 Frankia
NT2 Aerobacter
NT2 Aeromonas
NT2 Azotobacter
NT2 Bacillus
NT3 Bacillus Cereus
NT3 Bacillus Licheniformis
NT3 Bacillus Megaterium
NT3 Bacillus Subtilis
NT3 Ferrobacillus Ferrooxidans
NT3 Thiobacillus Ferroxidans
NT3 Thiobacillus Oxidans
NT2 Brucella
NT2 Clostridium
NT3 Clostridium Acetobutylicum
NT3 Clostridium Botulinum
NT3 Clostridium Butyricum
NT3 Clostridium Perfringens
NT3 Clostridium Thermocellum

NT3 Clostridium Thermosaccharolyticum
NT2 Coliforms
NT2 Corynebacterium Fascians
NT2 Corynebacterium Parvum
NT2 Escherichia Coli
NT2 Haemophilus
NT2 Klebsiella
NT2 Lactobacillus
NT2 Legionella Anisa
NT2 Legionella Pneumophila
NT2 Meningococcus
NT2 Methanogenic Bacteria
NT3 Clostridium Acetobutylicum
NT2 Methanotrophic Bacteria
NT2 Micrococcus
NT3 Micrococcus Luteus
NT3 Micrococcus Lysodeicticus
NT3 Micrococcus Radiodurans
NT2 Mycobacterium
NT3 Mycobacterium Tuberculosis
NT2 Nocardia
NT2 Photosynthetic Bacteria
NT2 Pneumococcus
NT2 Proteus
NT2 Pseudomonas
NT2 Rhizobium
NT2 Rhodopseudomonas
NT2 Rhodospirillum
NT2 Salmonella
NT3 Salmonella Typhimurium
NT2 Serratia
NT2 Shigella
NT2 Spirochaetes
NT2 Staphylococcus
NT2 Streptococcus
NT2 Streptomyces
NT2 Sulfate-Reducing Bacteria
NT3 Desulfovibrio
NT2 Sulfur-Oxidizing Bacteria
NT3 Rhodococcus
NT3 Thiobacillus Ferroxidans
NT3 Thiobacillus Oxidans
NT2 Thermoactinomyces
NT2 Zymomonas Mobilis
NT1 Cyanobacteria
NT1 Mycoplasma
NT2 Acholeplasma Laidlawii B
NT1 Protozoa
NT2 Ciliata
NT3 Paramecium
NT3 Tetrahymena
NT2 Mastigophora
NT3 Dinoflagellate
NT3 Euglena
NT3 Trypanosoma
NT2 Sarcodina
NT3 Amoeba
NT3 Foraminifera
NT2 Sporozoa
NT3 Babesidae
NT3 Plasmodium
NT1 Rickettsiae
NT1 Unicellular Algae
NT2 Chlamydomonas
NT2 Chlorella
NT2 Euglena
NT2 Scenedesmus
NT1 Viruses
NT2 AIDS Virus
NT2 Bacteriophages
NT2 Influenza Viruses
NT2 Measles Virus
NT2 Oncogenic Viruses
NT3 Adenovirus
NT3 Leukemia Viruses
NT3 Polyoma Virus
NT2 Polio Virus
NT2 Simian Virus
NT2 Tobacco Mosaic Virus
NT2 Vaccinia Virus
NT1 Yeasts
NT2 Candida
NT2 Saccharomyces
NT3 Saccharomyces Cerevisiae
NT2 Torula
RT Aerobic Digestion
RT Anaerobic Digestion
RT Anti-Infective Agents
RT Antibiotics
RT Autotrophs
RT Cell Cultures
RT Immobilized Cells
RT Infectious Diseases
RT Microbial Drug Resistance
RT Microbial EOR
RT Parasites
RT Pathogens
RT Virulence

MICROPROCESSORS [01]
DA August 4, 1976
BT1 Computers
BT1 Microelectronic Circuits
BT2 Electronic Circuits
NT1 Apple Computers
RT Array Processors
RT Energy Management Systems

Micropulsations
DA December 1, 1974
USE Pulsations

MICRORADIOGRAPHY [01]
DA October 1, 1975
UF *Radiography (Micro)*
RT Biomedical Radiography
RT Industrial Radiography

MICROSCOPES [01]
DA December 1, 1974
NT1 Electron Microscopes
NT1 Ion Microscopes
NT1 Optical Microscopes
RT Microscopy

MICROSCOPY [01]
DA December 1, 1974
NT1 Acoustic Microscopy
NT1 Electron Microscopy
NT2 Scanning Electron Microscopy
NT2 Transmission Electron Microscopy
NT1 Ion Microscopy
NT1 Optical Microscopy
NT1 Scanning Light Microscopy
RT Ceramography
RT Histological Techniques
RT Histology
RT Metallography
RT Microscopes
RT Morphological Changes
RT Photomicrography

MICROSEC LIVING RADIOISOTOPES [01]
DA April 15, 1975
BT1 Radioisotopes
BT2 Isotopes
NT1 Actinium 216
NT1 Actinium 218
NT1 Actinium 219
NT1 Astatine 214
NT1 Astatine 215
NT1 Astatine 216
NT1 Element 104 254
NT1 Element 108 264
NT1 Fermium 242
NT1 Fermium 258
NT1 Francium 212
NT1 Francium 213
NT1 Francium 217
NT1 Francium 218
NT1 Iodine 108
NT1 Iodine 116
NT1 Iodine 121
NT1 Iodine 122
NT1 Krypton 84
NT1 Krypton 85
NT1 Lutetium 154
NT1 Mercury 201
NT1 Nobelium 250
NT1 Polonium 213
NT1 Polonium 214
NT1 Protactinium 218
NT1 Protactinium 221
NT1 Radium 217
NT1 Radium 218
NT1 Radon 215
NT1 Radon 216
NT1 Radon 217
NT1 Rubidium 76
NT1 Tellurium 106
NT1 Thorium 217
NT1 Thorium 219
NT1 Thorium 220
NT1 Uranium 219
NT1 Uranium 222
NT1 Uranium 223
NT1 Uranium 224
NT1 Ytterbium 153
RT Half-Life

Microseism
DA March 4, 1980
USE Seismic Noise

Microseismic Monitoring
DA October 30, 1978
USE Acoustic Monitoring

MICROSOMES [01]
DA December 1, 1974
BT1 Ribosomes
BT2 Cell Constituents
RT Endoplasmic Reticulum
RT Mixed-Function Oxidases
RT Ribosomal RNA
RT Subcellular Distribution

MICROSPHERES [01]
DA December 1, 1974
RT Dispersions
RT Particle Size
RT Radiopharmaceuticals

MICROSPORES [01]
DA December 1, 1974
BT1 Spores
RT Pollen

MICROSTRUCTURE [01]
DA December 1, 1974
NT1 Cleavage
NT1 Grain Boundaries
NT1 Grain Density
NT1 Grain Orientation
NT1 Grain Size
NT1 Pore Structure
NT1 Widmanstaetten Structure
RT Ceramography
RT Crystal Defects
RT Crystal Lattices
RT Inclusions
RT Metallography
RT Phase Diagrams
RT Phase Transformations
RT Solids
RT Twinning

MICROTRONS [01]
DA December 1, 1974
BT1 Cyclotrons
BT2 Cyclic Accelerators
BT3 Accelerators
NT1 Racetrack Microtrons

MICROTUBULES [01]
DA August 4, 1981
BT1 Cell Constituents

MICROWAVE AMPLIFIERS [01]
DA December 1, 1974
UF *Electron Cyclotron Masers*
UF *Gyrotrons*
BT1 Amplifiers
BT2 Electronic Equipment
BT3 Equipment
BT1 Microwave Equipment
BT2 Electronic Equipment
BT3 Equipment
NT1 Masers

Microwave Discharges
DA June 16, 1975
USE High-Frequency Discharges

MICROWAVE DRYERS
DA June 23, 1980
BT1 Dryers
BT1 Microwave Equipment
BT2 Electronic Equipment
BT3 Equipment
RT Microwave Ovens
RT Microwave Radiation

MICROWAVE EQUIPMENT [01]
DA December 1, 1974

BT1 Electronic Equipment
BT2 Equipment
NT1 Heterodyne Receivers
NT1 Microwave Amplifiers
NT2 Masers
NT1 Microwave Dryers
NT1 Microwave Tubes
NT2 Backward Wave Tubes
NT2 Klystrons
NT2 Lasertrons
NT2 Magnetrons
NT2 Travelling Wave Tubes
NT1 SQUID Devices
RT Cavity Resonators
RT Microwave Radiation
RT Radio Equipment
RT Resonators
RT Superconducting Cavity Resonators
RT Waveguides

MICROWAVE HEATING
DA July 18, 1981
BT1 Heating
RT Microwave Ovens
RT Plasma Heating

MICROWAVE OVENS
DA June 21, 1977
BT1 Ovens
BT2 Appliances
BT3 Equipment
RT Electric Appliances
RT Microwave Dryers
RT Microwave Heating

MICROWAVE POWER TRANSMISSION
DA January 23, 1975
BT1 Power Transmission
RT Power Systems
RT Rectennas

MICROWAVE RADIATION [01]
DA December 1, 1974
UF *Ehf Radiation*
UF *Extremely High Frequency Radiation*
BT1 Electromagnetic Radiation
BT2 Radiations
NT1 Relict Radiation
RT Masers
RT Microwave Dryers
RT Microwave Equipment
RT Microwave Spectra
RT Signal Distortion
RT Wavelengths

MICROWAVE SPECTRA [01]
DA December 1, 1974
BT1 Spectra
RT Microwave Radiation

MICROWAVE TUBES [01]
DA December 1, 1974
BT1 Electron Tubes
BT1 Microwave Equipment
BT2 Electronic Equipment
BT3 Equipment
NT1 Backward Wave Tubes
NT1 Klystrons
NT1 Lasertrons
NT1 Magnetrons
NT1 Travelling Wave Tubes
RT Thermionic Tubes

MICTOMAGNETISM
DA January 21, 1975
BT1 Antiferromagnetism
BT2 Magnetism
BT1 Ferromagnetism
BT2 Magnetism
DEF A property exhibited by some alloys whereby they are superparamagentic.

MID-ATLANTIC BIGHT [01]
DA July 19, 1985
BT1 Atlantic Ocean
BT2 Seas
BT3 Surface Waters
NT1 New York Bight
RT Chesapeake Bay
RT Coastal Waters
RT Continental Shelf
RT Georges Bank
RT Gulf Stream
RT Long Island Sound
RT South Atlantic Bight
RT US East Coast
DEF The portion of the Atlantic Ocean overlying the continental shelf between Cape Hatteras and Georges Bank.

Mid-Atlantic Region
(Prior to June 1982, this was a valid descriptor.)
DA July 6, 1978
USE USA

MID-ATLANTIC RIDGE [01]
DA August 9, 1977
RT Atlantic Ocean
RT Geologic Structures

MIDAS COMPUTER [01]
DA December 1, 1974
BT1 Computers

MIDDAY AURORAE [01]
DA December 1, 1974
BT1 Aurorae
RT Auroral Oval
RT Auroral Zones
RT Charged-Particle Precipitation
RT Electron Precipitation
RT Ionosphere
RT Proton Precipitation

Middle Distillates
DA November 23, 1979
USE Petroleum Distillates

MIDDLE EAST [01]
DA February 20, 1975
NT1 Bahrain
NT1 Cyprus
NT1 Egyptian Arab Republic
NT1 Iran
NT1 Iraq
NT1 Israel
NT1 Jordan
NT1 Kuwait
NT1 Lebanon
NT1 Oman
NT1 Qatar
NT1 Saudi Arabia
NT1 Syria
NT1 Turkey
NT1 Yemen
RT Arab Countries
RT OAPEC
RT OPEC

MIDDLE GUST EVENT
DA January 21, 1975
BT1 Chemical Explosions
BT2 Explosions
BT1 Surface Explosions
BT2 Explosions
RT Nuclear Explosions

MIDLAND-1 REACTOR [01]
(Midland, Michigan, USA)
DA December 1, 1974
UF *Consumers Power Company Midland-1*
BT1 Process Heat Reactors
BT2 Reactors
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

MIDLAND-2 REACTOR [01]
(Midland, Michigan, USA)
DA December 1, 1974
UF *Consumers Power Company Midland-2*
BT1 Process Heat Reactors
BT2 Reactors
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

Midnight Discontinuity
DA December 1, 1974
USE Harang Discontinuity

Midtemperature Solar System Test Facility
DA November 8, 1980
USE MSSTF

MIDUALE [01]
DA December 1, 1974
BT1 Chromium Steels
BT2 Chromium Alloys
BT3 Alloys
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys
BT1 Manganese Additions
BT2 Manganese Alloys
BT3 Alloys
BT1 Silicon Additions
BT2 Silicon Alloys
BT3 Alloys
BT1 Tungsten Alloys
BT2 Alloys

MIDWEST FUEL RECOVERY PLANT [01]
DA December 1, 1974
UF *Morris Plant*
BT1 Fuel Reprocessing Plants
BT2 Nuclear Facilities

Midwest Region
(Prior to June 1982 this was a valid descriptor.)
DA July 6, 1978
USE USA

MIFI IRT-2000 Reactor
DA December 1, 1974
USE IRT-2000 Moscow Reactor

MIGAS PROCESS
DA November 25, 1980
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes
DEF Process in which excess superheated steam supplies heat of reaction to produce gas with high hydrogen to carbon monoxide ratio.

MIGDAL THEORY [01]
DA December 1, 1974
RT Bremsstrahlung

MIGHTY EPIC EVENT
(Prior to November 1983, this concept was indexed to ANVIL PROJECT.)
DA June 21, 1977
BT1 Anvil Project
BT2 Nuclear Explosions
BT3 Explosions
BT1 Underground Explosions
BT2 Explosions
RT Nuclear Weapons

MIGMA DEVICES [01]
DA December 1, 1974
BT1 Thermonuclear Devices
RT Ion Beams

RT Precession
DEF Nonplasma, nonthermal, nonpulsed devices, in which fusion occurs among the ions of a self-colliding beam.

MIGRATION [01]
DA May 13, 1976
RT Fish Passage Facilities
RT Population Dynamics

Migration (Kernel)
DA March 5, 1979
USE Amoeba Effect

Migration (Radionuclide)
DA January 27, 1981
USE Radionuclide Migration

Migration Area
DA December 1, 1974
USE Migration Length

MIGRATION LENGTH [01]
DA December 1, 1974
UF *Migration Area*
BT1 Length
BT2 Dimensions
RT Diffusion Length
RT Slowing-Down Length

MIHAMA-1 REACTOR [01]
(Mihama, Fukui, Japan)
DA December 1, 1974
UF *Kansai-1 Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

MIHAMA-2 REACTOR [01]
(Mihama, Fukui, Japan)
DA December 1, 1974
UF *Kansai-2 Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

MIHAMA-3 REACTOR [01]
(Mihama, Fukui, Japan)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

MIKE EVENT [01]
DA June 29, 1984
BT1 Ivy Project
BT2 Nuclear Explosions
BT3 Explosions
BT1 Surface Explosions
BT2 Explosions
RT Eniwetok
RT Thermonuclear Explosions

MILAN SUPERCONDUCTING CYCLOTRON [01]
DA March 24, 1983
BT1 Heavy Ion Accelerators
BT2 Accelerators
BT1 Isochronous Cyclotrons
BT2 Cyclotrons
BT3 Cyclic Accelerators
BT4 Accelerators
BT1 Superconducting Cyclotrons
BT2 Cyclotrons
BT3 Cyclic Accelerators
BT4 Accelerators

MILDEW [01]
DA December 1, 1974
BT1 Eumycota
BT2 Fungi
BT3 Plants
BT1 Parasites
RT Plant Diseases

MILITARY ASSISTANCE
DA February 3, 1986
RT Financial Assistance
RT Foreign Policy
RT International Cooperation
RT National Defense

MILITARY EQUIPMENT
DA January 21, 1975
BT1 Equipment
NT1 Ordnance
RT Ammunition

MILITARY FACILITIES
DA March 22, 1976
UF *Facilities (Military)*
RT Government Buildings
RT National Defense

MILITARY PERSONNEL [01]
DA December 1, 1974
UF *Army Personnel*
BT1 Personnel
BT2 Man
BT3 Primates
BT4 Mammals
BT5 Vertebrates
BT6 Animals
RT Aviation Personnel

MILITARY STRATEGY
DA February 3, 1986
RT Warfare

MILK [01]
DA December 1, 1974
BT1 Body Fluids
BT2 Biological Materials
BT3 Materials
BT1 Food
RT Beverages
RT Cows
RT Lactation
RT Mammary Glands
RT Milk Products
RT Whey

MILK PRODUCTS [01]
DA December 1, 1974
BT1 Food
NT1 Butter
NT1 Cheese
NT1 Whey
RT Milk

Milk Sugar
DA December 1, 1974
USE Lactose

MILKWEED [01]
DA April 14, 1980
BT1 Euphorbia
BT2 Magnoliopsida
BT3 Magnoliophyta
BT4 Plants
DEF A hydrocarbon-producing plant, possible source of synthetic petroleum.

MILKY WAY [01]
DA December 1, 1974
UF *Local Galaxy*
BT1 Galaxies
RT Interstellar Space

MILL TAILINGS [01]
DA March 4, 1977
BT1 Tailings
BT2 Solid Wastes
BT3 Wastes
RT Ore Processing
RT Radioactive Wastes

MILLER INDICES [01]
DA December 1, 1974
RT Crystal Lattices

MILLET [01]
DA December 1, 1974
BT1 Cereals
BT2 Gramineae
BT3 Liliopsida
BT4 Magnoliophyta
BT5 Plants

MILLI AMP BEAM CURRENTS [01]
(From .001 to 1 amp.)
DA December 1, 1974
BT1 Beam Currents
BT2 Currents

MILLI EV RANGE [01]
DA December 1, 1974
BT1 EV Range
BT2 Energy Range

MILLI HZ RANGE [01]
DA December 1, 1974
BT1 Hz Range
BT2 Frequency Range

MILLING [01]
DA December 1, 1974
BT1 Machining
RT Mechanical Decladding
RT Milling Machines

MILLING MACHINES [01]
DA December 1, 1974
BT1 Machine Tools
BT2 Tools
RT Milling

MILLISEC LIVING RADIOISOTOPES [01]
(From .001 to 1 sec.)
DA December 1, 1974
BT1 Radioisotopes
BT2 Isotopes
NT1 Actinium 209
NT1 Actinium 210
NT1 Actinium 211
NT1 Actinium 212
NT1 Actinium 213
NT1 Actinium 215
NT1 Actinium 220
NT1 Actinium 221
NT1 Aluminium 22
NT1 Aluminium 23
NT1 Aluminium 24
NT1 Aluminium 31
NT1 Aluminium 32
NT1 Aluminium 34
NT1 Antimony 134
NT1 Antimony 136
NT1 Argon 31
NT1 Argon 32
NT1 Argon 33
NT1 Argon 34
NT1 Arsenic 66
NT1 Arsenic 84
NT1 Arsenic 86
NT1 Arsenic 87
NT1 Astatine 194
NT1 Astatine 195
NT1 Astatine 196
NT1 Astatine 197
NT1 Astatine 212
NT1 Astatine 217
NT1 Barium 136
NT1 Barium 147
NT1 Barium 148
NT1 Barium 149
NT1 Beryllium 12
NT1 Beryllium 14
NT1 Boron 8
NT1 Boron 12
NT1 Boron 13

NT1 Boron 14
NT1 Boron 15
NT1 Boron 17
NT1 Bromine 70
NT1 Bromine 91
NT1 Bromine 92
NT1 Bromine 93
NT1 Cadmium 96
NT1 Cadmium 124
NT1 Cadmium 125
NT1 Cadmium 126
NT1 Cadmium 127
NT1 Cadmium 128
NT1 Cadmium 130
NT1 Calcium 36
NT1 Calcium 37
NT1 Calcium 38
NT1 Calcium 39
NT1 Calcium 53
NT1 Carbon 9
NT1 Carbon 16
NT1 Carbon 17
NT1 Carbon 18
NT1 Cesium 114
NT1 Cesium 116
NT1 Cesium 145
NT1 Cesium 146
NT1 Cesium 147
NT1 Cesium 148
NT1 Chlorine 31
NT1 Chlorine 32
NT1 Chromium 45
NT1 Chromium 46
NT1 Chromium 47
NT1 Chromium 60
NT1 Cobalt 53
NT1 Cobalt 54
NT1 Cobalt 64
NT1 Cobalt 66
NT1 Cobalt 67
NT1 Copper 57
NT1 Copper 76
NT1 Copper 77
NT1 Copper 78
NT1 Copper 79
NT1 Dysprosium 149
NT1 Element 104 256
NT1 Element 104 258
NT1 Element 104 260
NT1 Element 104 262
NT1 Element 106 259
NT1 Element 106 260
NT1 Element 106 261
NT1 Element 106 263
NT1 Element 107 261
NT1 Element 107 262
NT1 Element 108 265
NT1 Erbium 151
NT1 Europium 134
NT1 Fermium 242
NT1 Fermium 243
NT1 Fermium 244
NT1 Fluorine 24
NT1 Francium 201
NT1 Francium 202
NT1 Francium 203
NT1 Francium 206
NT1 Francium 214
NT1 Francium 219
NT1 Gallium 62
NT1 Gallium 82
NT1 Gallium 83
NT1 Gallium 84
NT1 Germanium 61
NT1 Germanium 73
NT1 Germanium 85
NT1 Gold 173
NT1 Gold 174
NT1 Gold 175
NT1 Gold 191
NT1 Hafnium 155
NT1 Hafnium 156
NT1 Hafnium 157
NT1 Helium 6
NT1 Helium 8
NT1 Holmium 144
NT1 Holmium 148
NT1 Indium 114
NT1 Indium 128
NT1 Indium 129
NT1 Indium 130
NT1 Indium 131
NT1 Indium 132
NT1 Iodine 110
NT1 Iodine 140
NT1 Iodine 141
NT1 Iodine 142
NT1 Iridium 166
NT1 Iridium 167
NT1 Iridium 169
NT1 Iron 46
NT1 Iron 49
NT1 Iron 51
NT1 Krypton 71
NT1 Krypton 94
NT1 Krypton 95
NT1 Krypton 97
NT1 Lawrencium 257
NT1 Lead 182
NT1 Lead 184
NT1 Lead 207
NT1 Lithium 8
NT1 Lithium 9
NT1 Lithium 10
NT1 Lithium 11
NT1 Lutetium 151
NT1 Lutetium 152
NT1 Lutetium 153
NT1 Lutetium 155
NT1 Lutetium 156
NT1 Lutetium 170
NT1 Magnesium 20
NT1 Magnesium 21
NT1 Magnesium 30
NT1 Magnesium 31
NT1 Manganese 48
NT1 Manganese 49
NT1 Manganese 50
NT1 Manganese 61
NT1 Manganese 62
NT1 Manganese 63
NT1 Mercury 175
NT1 Mercury 176
NT1 Mercury 177
NT1 Mercury 178
NT1 Molybdenum 89
NT1 Neon 17
NT1 Neon 25
NT1 Neon 26
NT1 Neptunium 226
NT1 Neptunium 227
NT1 Nickel 53
NT1 Nickel 55
NT1 Nickel 73
NT1 Niobium 103
NT1 Nitrogen 12
NT1 Nitrogen 18
NT1 Nitrogen 19
NT1 Nobelium 250
NT1 Nobelium 251
NT1 Nobelium 254
NT1 Nobelium 258
NT1 Osmium 162
NT1 Osmium 164
NT1 Osmium 165
NT1 Osmium 166
NT1 Osmium 167
NT1 Oxygen 13
NT1 Oxygen 22
NT1 Palladium 117
NT1 Palladium 119
NT1 Palladium 120
NT1 Phosphorus 26
NT1 Phosphorus 27
NT1 Phosphorus 28
NT1 Phosphorus 38
NT1 Platinum 169
NT1 Platinum 170
NT1 Platinum 171
NT1 Platinum 172
NT1 Platinum 173
NT1 Platinum 174
NT1 Plutonium 230
NT1 Polonium 192
NT1 Polonium 193
NT1 Polonium 194
NT1 Polonium 211
NT1 Polonium 215
NT1 Polonium 216
NT1 Potassium 35
NT1 Potassium 36
NT1 Potassium 50
NT1 Potassium 51
NT1 Potassium 52
NT1 Potassium 53
NT1 Potassium 54
NT1 Protactinium 215
NT1 Protactinium 216
NT1 Protactinium 217
NT1 Protactinium 218
NT1 Protactinium 222
NT1 Protactinium 223
NT1 Protactinium 224
NT1 Radium 205
NT1 Radium 206
NT1 Radium 213
NT1 Radium 215
NT1 Radium 219
NT1 Radium 220
NT1 Radon 199
NT1 Radon 213
NT1 Radon 218
NT1 Rhenium 161
NT1 Rhenium 162
NT1 Rhenium 163
NT1 Rhenium 164
NT1 Rhodium 112
NT1 Rhodium 115
NT1 Rhodium 116
NT1 Rubidium 74
NT1 Rubidium 95
NT1 Rubidium 96
NT1 Rubidium 97
NT1 Rubidium 98
NT1 Rubidium 99
NT1 Rubidium 100
NT1 Ruthenium 112
NT1 Ruthenium 114
NT1 Scandium 40
NT1 Scandium 41
NT1 Scandium 42
NT1 Scandium 50
NT1 Selenium 65
NT1 Selenium 89
NT1 Selenium 91
NT1 Silicon 24
NT1 Silicon 25
NT1 Silicon 35
NT1 Silicon 36
NT1 Silver 95
NT1 Silver 120
NT1 Silver 121
NT1 Silver 123
NT1 Sodium 19
NT1 Sodium 24
NT1 Sodium 27
NT1 Sodium 28
NT1 Sodium 29
NT1 Sodium 30
NT1 Sodium 31
NT1 Sodium 32
NT1 Sodium 33
NT1 Sodium 34
NT1 Sodium 35
NT1 Strontium 97
NT1 Strontium 98
NT1 Strontium 99
NT1 Strontium 100
NT1 Strontium 101
NT1 Strontium 102
NT1 Sulfur 28
NT1 Sulfur 29
NT1 Tantalum 156
NT1 Tantalum 157
NT1 Tantalum 158
NT1 Tantalum 159
NT1 Tantalum 182
NT1 Technetium 110
NT1 Technetium 111
NT1 Technetium 112
NT1 Tellurium 107
NT1 Terbium 146
NT1 Thallium 179
NT1 Thallium 183
NT1 Thorium 212
NT1 Thorium 213
NT1 Thorium 214
NT1 Thorium 216
NT1 Thorium 221
NT1 Thorium 222
NT1 Thorium 223
NT1 Thulium 147
NT1 Thulium 150
NT1 Titanium 40
NT1 Titanium 41
NT1 Titanium 42
NT1 Titanium 43
NT1 Tungsten 159
NT1 Tungsten 160
NT1 Tungsten 161
NT1 Uranium 218
NT1 Uranium 225

NT1 Uranium 226
NT1 Vanadium 44
NT1 Vanadium 46
NT1 Xenon 110
NT1 Xenon 111
NT1 Xenon 143
NT1 Xenon 145
NT1 Ytterbium 154
NT1 Yttrium 93
NT1 Yttrium 97
NT1 Yttrium 98
NT1 Yttrium 100
NT1 Yttrium 101
NT1 Yttrium 102
NT1 Zinc 57
NT1 Zinc 59
NT1 Zinc 80
NT1 Zinc 81
NT1 Zirconium 90
NT1 Zirconium 102
NT1 Zirconium 103
RT Half-Life
RT Lifetime

MILLIWATT POWER RANGE [01]
DA November 5, 1990
UF *Power Range Milli W*
BT1 Power Range

MILLSTONE-1 REACTOR [01]
(Waterford, Connecticut, USA)
DA December 1, 1974
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

MILLSTONE-2 REACTOR [01]
(Waterford, Connecticut, USA)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

MILLSTONE-3 REACTOR [01]
(Waterford, Connecticut, USA)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

MILNE PROBLEM [01]
DA December 1, 1974
RT Angular Distribution
RT Marshak Boundary Conditions
RT Neutron Transport Theory

MILROW EVENT [01]
DA December 1, 1974
BT1 Mandrel Operation
BT2 Nuclear Explosions
BT3 Explosions
BT2 Underground Explosions
BT3 Explosions
RT Seismic Waves

MIM JUNCTIONS [01]
(Metal-Insulator-Metal Junctions.)
DA December 1, 1974
BT1 Semiconductor Junctions
BT2 Junctions

MIMIC
DA January 21, 1975
BT1 Programming Languages

MIMOSINE [01]
DA May 15, 1975
BT1 Amino Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
RT Leguminosae
RT Toxicity

MINAMI AMBIGUITY [01]
DA December 1, 1974
RT Angular Distribution
RT Parity

MINE CARS
DA May 23, 1980
BT1 Haulage Equipment
BT2 Materials Handling Equipment
BT3 Equipment
BT1 Vehicles
RT Mining
RT Transport

MINE DRAINING [01]
DA June 24, 1977
RT Acid Mine Drainage
RT Coal Mines
RT Drainage
RT Underground Mining
RT Water Influx

MINE DRIVAGE [01]
DA November 23, 1988
RT Construction
RT Mine Roadways
RT Tunnels
RT Underground Mining
DEF Driving a drift for development or for use as an underground road.

MINE HAULAGE
DA June 24, 1977
BT1 Materials Handling
RT Chain Conveyors
RT Haulage Equipment
RT Hoisting
RT Loaders

Mine-Mouth Generating Plants
DA December 10, 1979
USE Coal Mines
AND Fossil-Fuel Power Plants

MINE RESCUE [01]
DA May 3, 1978
BT1 Rescue Operations
RT Accidents
RT Evacuation
RT Mines
RT Safety

MINE ROADWAYS [01]
DA May 3, 1978
UF *Roadways (Mines)*
BT1 Tunnels
BT2 Underground Facilities
RT Mine Drivage
RT Underground Mining

Mine Safety and Health Administration
DA February 8, 1982
USE US MSHA

MINE SHAFTS [01]
(Prior to October 1982, this concept was indexed to SHAFT EXCAVATIONS.)
DA April 17, 1981
BT1 Shaft Excavations
NT1 Abandoned Shafts
RT Cavities
RT Openings
RT Underground Mining

Mine Site Rehabilitation
DA October 9, 1990
SEE Land Reclamation
OR Remedial Action

Mineral Acids
DA December 1, 1974
USE Inorganic Acids

MINERAL CYCLING [01]
DA August 24, 1976
RT Air-Biosphere Interactions
RT Biogeochemistry
RT Carbon Cycle
RT Carbon Sinks
RT Carbon Sources
RT Concentration Ratio
RT Ecological Concentration
RT Ecosystems
RT Nitrogen Cycle
RT Sediment-Water Interfaces
RT Sulfur Cycle
DEF The cyclic movement of elemental mineral nutrients in ecosystems.

MINERAL INDUSTRY [01]
DA November 1, 1976
BT1 Industry
RT Ceramics Industry
RT Chemical Industry
RT Coal Industry
RT Metal Industry
RT Oil Sand Industry
RT Oil Shale Industry
RT Petroleum Industry

Mineral Oil(s)
DA March 11, 1976
SEE Lubricants
OR Petroleum

MINERAL RESOURCES [01]
DA January 23, 1975
BT1 Resources
NT1 Coal Deposits
NT2 Coal Seams
NT1 Natural Gas Deposits
NT2 Natural Gas Fields
NT3 Gas Condensate Fields
NT1 Oil Shale Deposits
NT2 US Naval Oil Shale Reserves
NT1 Petroleum Deposits
NT2 Gas Condensate Fields
NT2 Oil Fields
NT2 US Naval Petroleum Reserves
NT1 Uranium Deposits
NT2 Blizzard Deposit
NT2 Erzgebirge Deposit
NT2 Jabiluka Deposit
NT2 Koongarra Deposit
NT2 Nabarlek Deposit
NT2 Ranger Deposit
NT2 Ranstad Deposit
NT2 Roxby Downs Deposit
NT2 South Alligator Deposit
NT2 Yeelirrie Deposit
RT Bids
RT Mineral Rights
RT Minerals
RT Ownership
RT Resource Management
RT Resource Potential
RT Royalties
RT Uranium Reserves
DEF The totality of the discovered and undiscovered quantities of a particular mineral or similar commodity, i.e., its crustal abundance.

MINERAL RIGHTS
DA July 24, 1979
UF *Mining Rights*
RT Land Ownership
RT Land Use
RT Legal Aspects
RT Mineral Resources
RT Mining Laws
RT Ownership

MINERAL SPRINGS
DA February 20, 1975

BT1 Water Springs
RT Hot Springs
RT Thermal Springs

MINERAL WASTES [01]
DA January 23, 1976
BT1 Solid Wastes
BT2 Wastes
NT1 Culm
RT Spoil Banks

MINERAL WOOL
DA November 1, 1976
RT Fibers
RT Thermal Insulation

MINERALIZATION [01]
DA December 1, 1974
RT Crystallization
RT Mineralogy

MINERALOCORTICOIDS [01]
DA December 1, 1974
BT1 Corticosteroids
BT2 Adrenal Hormones
BT3 Hormones
BT2 Hydroxy Compounds
BT3 Organic Compounds
BT2 Ketones
BT3 Organic Compounds
BT2 Pregnanes
BT3 Steroids
BT4 Organic Compounds
BT2 Steroid Hormones
BT3 Hormones
NT1 Aldosterone
NT1 DOCA

MINERALOGY [01]
DA December 1, 1974
RT Mineralization
RT Minerals
RT Petrochemistry

MINERALS [01]
DA December 1, 1974
UF *Lead Minerals*
UF *Sodium Minerals*
UF *Vanadium Minerals*
NT1 Black Sands
* NT1 Carbonate Minerals
NT1 Elemental Minerals
NT2 Diamonds
NT2 Graphite
NT1 Halide Minerals
NT2 Carnallite
NT2 Fluorite
NT2 Halite
NT2 Schroeckingerite
* NT1 Oxide Minerals
* NT1 Phosphate Minerals
NT1 Pyrochlore
NT1 Pyroxenes
NT2 Diopside
NT2 Enstatite
NT2 Hedenbergite
* NT1 Radioactive Minerals
* NT1 Silicate Minerals
* NT1 Sulfate Minerals
* NT1 Sulfide Minerals
RT Clays
RT Concretions
RT Environmental Materials
RT Geobarometry
RT Metamict State
RT Mineral Resources
RT Mineralogy
RT Ores
RT Rocks
RT Tektites
RT Torbanite
RT Translocation

MINERS [01]
DA December 1, 1974
BT1 Personnel
BT2 Man
BT3 Primates
BT4 Mammals
BT5 Vertebrates
BT6 Animals
NT1 Coal Miners
RT Life Support Systems

MINERVE REACTOR [01]
(CEA/CEN Cadarache, St. Paul Lez Durance, France.)
DA December 1, 1974
UF *French Minerve Reactor*
UF *Zero Power Critical Experiment Minerve*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

MINES [01]
DA December 1, 1974
BT1 Underground Facilities
NT1 Asse Salt Mine
NT1 Coal Mines
NT1 Konrad Ore Mine
NT1 Rum Jungle Project
NT1 Uranium Mines
NT2 Beaverlodge Mine
NT2 Cluff Lake Mine
NT2 Key Lake Mine
NT2 Mary Kathleen Mines
NT2 Mi Vida Mine
NT2 Olympic Dam Mine
NT2 Osamu Utsumi Mine
NT2 Stanleigh Mine
RT Abandoned Shafts
RT Backfilling
RT Mine Rescue
RT Mining
RT Surface Mining
RT Underground Mining
RT Underground Space
RT Water Influx

Mini-Serve Stations
DA May 9, 1979
USE Gasoline Service Stations

MINIATA EVENT
DA January 21, 1975
BT1 Grommet Operation
BT2 Nuclear Explosions
BT3 Explosions
BT2 Underground Explosions
BT3 Explosions
BT1 Plowshare Project

Miniature Neutron Source Reactor
DA February 25, 1991
USE MNS Reactor

MINIATURE SWINE [01]
DA December 1, 1974
BT1 Swine
BT2 Domestic Animals
BT3 Animals
BT2 Mammals
BT3 Vertebrates
BT4 Animals

MINIATURIZATION [01]
DA December 1, 1974
RT Electrical Equipment
RT Electronic Equipment
RT Measuring Instruments
RT Semiconductor Devices

MINIMARS REACTOR
DA April 11, 1986
BT1 Magnetic Mirror Type Reactors
BT2 Thermonuclear Reactors
RT MARS Reactor

MINIMIZATION [01]
(Techniques for reducing the formation of radioactive wastes and the contamination of materials and equipment.)
DA August 11, 1982
RT Contamination
RT Radioactive Wastes

MINIMUM AVERAGE-B CONFIGURATIONS [01]
DA December 1, 1974
UF *Average Magnetic Well*
BT1 Closed Configurations
BT2 Magnetic Field Configurations
RT Internal Ring Devices

MINIMUM-B CONFIGURATIONS [01]
DA December 1, 1974
UF *Magnetic Well*
BT1 Open Configurations
BT2 Magnetic Field Configurations
RT Ion Rings

MINING [01]
DA December 1, 1974
NT1 Auger Mining
NT1 Coal Mining
NT1 Hydraulic Mining
NT1 Oil Sand Mining
NT1 Oil Shale Mining
NT1 Solution Mining
NT1 Surface Mining
NT2 Cross-Ridge Mining
NT1 Underground Mining
NT2 Advance Mining
NT2 Caving Mining
NT2 Longwall Mining
NT2 Retreat Mining
NT2 Room and Pillar Mining
NT2 Shortwall Mining
NT2 Slice Mining
RT Acid Mine Drainage
RT Belt Conveyors
RT Contained Explosions
RT Cratering Explosions
RT Excavation
RT Exploitation
RT Explosive Fracturing
RT Heading Machines
RT Industry
RT Landslides
RT Mine Cars
RT Mines
RT Ore Composition
RT Overburden
RT Rock Bursts
RT Rock Mechanics
RT Shaft Excavations
RT Shield Supports
RT Sloop Event
RT Tunneling
RT Underground Explosions
RT Uranium Ores
RT Working Faces

MINING ENGINEERING [01]
DA September 6, 1979
BT1 Engineering
RT Auger Mining
RT Coal Mining
RT Hydraulic Mining
RT Oil Shale Mining
RT Surface Mining
RT Underground Mining

MINING EQUIPMENT
DA January 30, 1975
BT1 Equipment
NT1 Bucket Wheel Excavators
NT1 Cutting Machines
NT2 Cutter Loaders
NT3 Coal Plows
NT3 Continuous Miners
NT3 Heading Machines
NT3 Shearer Loaders
NT1 Roof Bolts
RT Auger Mining
RT Chain Conveyors
RT Conveyors
RT Draglines
RT Earthmoving Equipment
RT Haulage Equipment
RT Supports
RT Tunneling Machines

MINING LAWS [01]
DA December 1, 1974

BT1 Laws
NT1 Surface Mining Acts
RT Mineral Rights

Mining Research Method
DA March 4, 1977
USE Reinluft Process

Mining Rights
DA July 24, 1979
USE Mineral Rights

MINKOWSKI SPACE [01]
DA December 1, 1974
BT1 Mathematical Space
BT2 Space
RT Light Cone
RT Lorentz Transformations

MINNESOTA [01]
DA December 1, 1974
BT1 USA
BT2 Developed Countries
BT2 North America
RT Mississippi River

MINNESOTA UNIV LINAC [01]
DA December 1, 1974
BT1 Linear Accelerators
BT2 Accelerators

MINORITY GROUPS
DA February 14, 1978
UF *Ethnic Groups*
UF *Racial Groups*
BT1 Human Populations
BT2 Populations
NT1 American Indians
NT1 Black Americans
NT1 Elderly People
NT1 Handicapped People
NT1 High Income Groups
NT1 Hispanic Americans
NT1 Lapps
NT1 Low Income Groups
NT1 Oriental Americans
RT Interest Groups
RT Sociology
RT US Affirmative Action Program

MINSK COMPUTERS [01]
DA December 1, 1974
BT1 Computers

MINUS-PLUS RATIO [01]
DA December 1, 1974
UF *Charge Ratio*
UF *Plus-Minus Ratio*
RT Electric Charges

MINUTES LIVING RADIOISOTOPES [01]
DA December 1, 1974
BT1 Radioisotopes
BT2 Isotopes
NT1 Actinium 222
NT1 Actinium 223
NT1 Actinium 230
NT1 Actinium 231
NT1 Actinium 232
NT1 Actinium 233
NT1 Aluminium 28
NT1 Aluminium 29
NT1 Americium 234
NT1 Americium 244
NT1 Americium 246
NT1 Americium 247
NT1 Antimony 111
NT1 Antimony 113
NT1 Antimony 114
NT1 Antimony 115
NT1 Antimony 116
NT1 Antimony 118
NT1 Antimony 120
NT1 Antimony 122
NT1 Antimony 124
NT1 Antimony 126
NT1 Antimony 128
NT1 Antimony 129
NT1 Antimony 130
NT1 Antimony 131
NT1 Antimony 132
NT1 Antimony 133
NT1 Argon 43
NT1 Argon 44
NT1 Arsenic 68
NT1 Arsenic 69
NT1 Arsenic 70
NT1 Arsenic 78
NT1 Arsenic 79
NT1 Astatine 201
NT1 Astatine 202
NT1 Astatine 203
NT1 Astatine 204
NT1 Astatine 205
NT1 Astatine 206
NT1 Astatine 220
NT1 Astatine 221
NT1 Barium 122
NT1 Barium 123
NT1 Barium 124
NT1 Barium 125
NT1 Barium 127
NT1 Barium 131
NT1 Barium 137
NT1 Barium 141
NT1 Barium 142
NT1 Berkelium 240
NT1 Berkelium 242
NT1 Berkelium 251
NT1 Bismuth 193
NT1 Bismuth 194
NT1 Bismuth 195
NT1 Bismuth 196
NT1 Bismuth 197
NT1 Bismuth 198
NT1 Bismuth 199
NT1 Bismuth 200
NT1 Bismuth 201
NT1 Bismuth 211
NT1 Bismuth 212
NT1 Bismuth 213
NT1 Bismuth 214
NT1 Bismuth 215
NT1 Bismuth 216
NT1 Bromine 72
NT1 Bromine 73
NT1 Bromine 74
NT1 Bromine 77
NT1 Bromine 78
NT1 Bromine 80
NT1 Bromine 82
NT1 Bromine 84
NT1 Bromine 85
NT1 Cadmium 100
NT1 Cadmium 101
NT1 Cadmium 102
NT1 Cadmium 103
NT1 Cadmium 104
NT1 Cadmium 105
NT1 Cadmium 111
NT1 Cadmium 117
NT1 Cadmium 118
NT1 Cadmium 119
NT1 Calcium 49
NT1 Californium 240
NT1 Californium 241
NT1 Californium 242
NT1 Californium 243
NT1 Californium 244
NT1 Californium 245
NT1 Californium 256
NT1 Carbon 11
NT1 Cerium 128
NT1 Cerium 129
NT1 Cerium 130
NT1 Cerium 131
NT1 Cerium 139
NT1 Cerium 145
NT1 Cerium 146
NT1 Cerium 147
NT1 Cesium 120
NT1 Cesium 121
NT1 Cesium 122
NT1 Cesium 123
NT1 Cesium 125
NT1 Cesium 126
NT1 Cesium 128
NT1 Cesium 130
NT1 Cesium 135
NT1 Cesium 138
NT1 Cesium 139
NT1 Cesium 140
NT1 Chlorine 34
NT1 Chlorine 38
NT1 Chlorine 39
NT1 Chlorine 40
NT1 Chromium 49
NT1 Chromium 55
NT1 Chromium 56
NT1 Cobalt 54
NT1 Cobalt 60
NT1 Cobalt 62
NT1 Cobalt 63
NT1 Cobalt 64
NT1 Copper 59
NT1 Copper 60
NT1 Copper 62
NT1 Copper 66
NT1 Copper 68
NT1 Copper 69
NT1 Curium 236
NT1 Curium 251
NT1 Dysprosium 147
NT1 Dysprosium 148
NT1 Dysprosium 149
NT1 Dysprosium 150
NT1 Dysprosium 151
NT1 Dysprosium 165
NT1 Dysprosium 167
NT1 Dysprosium 168
NT1 Einsteinium 245
NT1 Einsteinium 246
NT1 Einsteinium 247
NT1 Einsteinium 248
NT1 Einsteinium 256
NT1 Element 104 261
NT1 Erbium 154
NT1 Erbium 155
NT1 Erbium 156
NT1 Erbium 157
NT1 Erbium 159
NT1 Erbium 173
NT1 Erbium 174
NT1 Europium 142
NT1 Europium 143
NT1 Europium 144
NT1 Europium 154
NT1 Europium 158
NT1 Europium 159
NT1 Fermium 249
NT1 Fermium 250
NT1 Fluorine 17
NT1 Francium 210
NT1 Francium 211
NT1 Francium 212
NT1 Francium 221
NT1 Francium 222
NT1 Francium 223
NT1 Francium 224
NT1 Francium 225
NT1 Francium 227
NT1 Gadolinium 142
NT1 Gadolinium 143
NT1 Gadolinium 144
NT1 Gadolinium 145
NT1 Gadolinium 161
NT1 Gadolinium 162
NT1 Gadolinium 163
NT1 Gallium 64
NT1 Gallium 65
NT1 Gallium 70
NT1 Gallium 74
NT1 Gallium 75
NT1 Germanium 64
NT1 Germanium 65
NT1 Germanium 67
NT1 Gold 185
NT1 Gold 186
NT1 Gold 187
NT1 Gold 188
NT1 Gold 189
NT1 Gold 190
NT1 Gold 200
NT1 Gold 201
NT1 Hafnium 164
NT1 Hafnium 165
NT1 Hafnium 166
NT1 Hafnium 167
NT1 Hafnium 168
NT1 Hafnium 169
NT1 Hafnium 177
NT1 Holmium 150
NT1 Holmium 152
NT1 Holmium 153
NT1 Holmium 154
NT1 Holmium 155
NT1 Holmium 156
NT1 Holmium 157
NT1 Holmium 158

NT1 Holmium 159
NT1 Holmium 160
NT1 Holmium 162
NT1 Holmium 164
NT1 Holmium 168
NT1 Holmium 169
NT1 Holmium 170
NT1 Indium 103
NT1 Indium 104
NT1 Indium 105
NT1 Indium 106
NT1 Indium 107
NT1 Indium 108
NT1 Indium 109
NT1 Indium 111
NT1 Indium 112
NT1 Indium 114
NT1 Indium 116
NT1 Indium 117
NT1 Indium 118
NT1 Indium 119
NT1 Indium 121
NT1 Iodine 115
NT1 Iodine 117
NT1 Iodine 118
NT1 Iodine 119
NT1 Iodine 120
NT1 Iodine 122
NT1 Iodine 128
NT1 Iodine 130
NT1 Iodine 134
NT1 Iodine 136
NT1 Iridium 179
NT1 Iridium 180
NT1 Iridium 181
NT1 Iridium 182
NT1 Iridium 183
NT1 Iridium 192
NT1 Iridium 197
NT1 Iron 53
NT1 Iron 61
NT1 Iron 62
NT1 Krypton 74
NT1 Krypton 75
NT1 Krypton 89
NT1 Lanthanum 125
NT1 Lanthanum 126
NT1 Lanthanum 127
NT1 Lanthanum 128
NT1 Lanthanum 129
NT1 Lanthanum 130
NT1 Lanthanum 131
NT1 Lanthanum 132
NT1 Lanthanum 134
NT1 Lanthanum 136
NT1 Lanthanum 143
NT1 Lawrencium 260
NT1 Lead 190
NT1 Lead 191
NT1 Lead 192
NT1 Lead 193
NT1 Lead 194
NT1 Lead 195
NT1 Lead 196
NT1 Lead 197
NT1 Lead 199
NT1 Lead 201
NT1 Lead 211
NT1 Lead 213
NT1 Lead 214
NT1 Lutetium 161
NT1 Lutetium 162
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NT1 Lutetium 171
NT1 Lutetium 172
NT1 Lutetium 178
NT1 Lutetium 180
NT1 Lutetium 181
NT1 Lutetium 182
NT1 Lutetium 187
NT1 Magnesium 27
NT1 Manganese 50
NT1 Manganese 51
NT1 Manganese 52
NT1 Manganese 57
NT1 Manganese 58
NT1 Mendelevium 251
NT1 Mendelevium 252
NT1 Mendelevium 254
NT1 Mendelevium 255
NT1 Mendelevium 258
NT1 Mercury 186
NT1 Mercury 187
NT1 Mercury 188
NT1 Mercury 189
NT1 Mercury 190
NT1 Mercury 191
NT1 Mercury 199
NT1 Mercury 205
NT1 Mercury 206
NT1 Molybdenum 88
NT1 Molybdenum 89
NT1 Molybdenum 91
NT1 Molybdenum 101
NT1 Molybdenum 102
NT1 Molybdenum 103
NT1 Molybdenum 104
NT1 Neodymium 132
NT1 Neodymium 133
NT1 Neodymium 134
NT1 Neodymium 135
NT1 Neodymium 136
NT1 Neodymium 137
NT1 Neodymium 139
NT1 Neodymium 141
NT1 Neodymium 151
NT1 Neodymium 152
NT1 Neon 24
NT1 Neptunium 229
NT1 Neptunium 230
NT1 Neptunium 231
NT1 Neptunium 232
NT1 Neptunium 233
NT1 Neptunium 240
NT1 Neptunium 241
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NT1 Neptunium 244
NT1 Niobium 85
NT1 Niobium 86
NT1 Niobium 87
NT1 Niobium 88
NT1 Niobium 89
NT1 Niobium 94
NT1 Niobium 97
NT1 Niobium 98
NT1 Niobium 99
NT1 Niobium 100
NT1 Niobium 101
NT1 Nitrogen 13
NT1 Nobelium 253
NT1 Nobelium 255
NT1 Nobelium 259
NT1 Osmium 175
NT1 Osmium 176
NT1 Osmium 177
NT1 Osmium 178
NT1 Osmium 179
NT1 Osmium 180
NT1 Osmium 181
NT1 Osmium 190
NT1 Osmium 191
NT1 Osmium 195
NT1 Osmium 196
NT1 Oxygen 14
NT1 Oxygen 15
NT1 Palladium 96
NT1 Palladium 97
NT1 Palladium 98
NT1 Palladium 99
NT1 Palladium 109
NT1 Palladium 111
NT1 Palladium 113
NT1 Palladium 114
NT1 Phosphorus 30
NT1 Platinum 182
NT1 Platinum 183
NT1 Platinum 184
NT1 Platinum 185
NT1 Platinum 199
NT1 Platinum 201
NT1 Plutonium 232
NT1 Plutonium 233
NT1 Plutonium 235
NT1 Polonium 196
NT1 Polonium 197
NT1 Polonium 198
NT1 Polonium 199
NT1 Polonium 200
NT1 Polonium 201
NT1 Polonium 202
NT1 Polonium 203
NT1 Polonium 218
NT1 Potassium 38
NT1 Potassium 44
NT1 Potassium 45
NT1 Potassium 46
NT1 Praseodymium 131
NT1 Praseodymium 132
NT1 Praseodymium 133
NT1 Praseodymium 134
NT1 Praseodymium 135
NT1 Praseodymium 136
NT1 Praseodymium 138
NT1 Praseodymium 140
NT1 Praseodymium 142
NT1 Praseodymium 144
NT1 Praseodymium 146
NT1 Praseodymium 147
NT1 Praseodymium 148
NT1 Praseodymium 149
NT1 Promethium 134
NT1 Promethium 136
NT1 Promethium 137
NT1 Promethium 138
NT1 Promethium 139
NT1 Promethium 140
NT1 Promethium 141
NT1 Promethium 152
NT1 Promethium 153
NT1 Promethium 154
NT1 Protactinium 226
NT1 Protactinium 227
NT1 Protactinium 234
NT1 Protactinium 235
NT1 Protactinium 236
NT1 Protactinium 237
NT1 Protactinium 238
NT1 Radium 213
NT1 Radium 227
NT1 Radium 229
NT1 Radium 231
NT1 Radium 232
NT1 Radon 204
NT1 Radon 205
NT1 Radon 206
NT1 Radon 207
NT1 Radon 208
NT1 Radon 209
NT1 Radon 212
NT1 Radon 221
NT1 Radon 223
NT1 Radon 225
NT1 Radon 226
NT1 Rhenium 173
NT1 Rhenium 174
NT1 Rhenium 175
NT1 Rhenium 176
NT1 Rhenium 177
NT1 Rhenium 178
NT1 Rhenium 179
NT1 Rhenium 180
NT1 Rhenium 188
NT1 Rhenium 190
NT1 Rhenium 191
NT1 Rhodium 94
NT1 Rhodium 95
NT1 Rhodium 96
NT1 Rhodium 97
NT1 Rhodium 98
NT1 Rhodium 100
NT1 Rhodium 103
NT1 Rhodium 104
NT1 Rhodium 107
NT1 Rhodium 108
NT1 Rhodium 109
NT1 Rubidium 76
NT1 Rubidium 77
NT1 Rubidium 78
NT1 Rubidium 79
NT1 Rubidium 81
NT1 Rubidium 82
NT1 Rubidium 84
NT1 Rubidium 86
NT1 Rubidium 88
NT1 Rubidium 89
NT1 Rubidium 90
NT1 Rubidium 91
NT1 Ruthenium 92
NT1 Ruthenium 93
NT1 Ruthenium 94
NT1 Ruthenium 107
NT1 Ruthenium 108
NT1 Samarium 138
NT1 Samarium 139
NT1 Samarium 140

NT1 Samarium 141
NT1 Samarium 143
NT1 Samarium 155
NT1 Samarium 157
NT1 Samarium 158
NT1 Scandium 49
NT1 Scandium 50
NT1 Selenium 68
NT1 Selenium 69
NT1 Selenium 70
NT1 Selenium 71
NT1 Selenium 73
NT1 Selenium 79
NT1 Selenium 81
NT1 Selenium 83
NT1 Selenium 84
NT1 Silver 99
NT1 Silver 100
NT1 Silver 101
NT1 Silver 102
NT1 Silver 104
NT1 Silver 105
NT1 Silver 106
NT1 Silver 108
NT1 Silver 111
NT1 Silver 113
NT1 Silver 114
NT1 Silver 115
NT1 Silver 116
NT1 Silver 117
NT1 Sodium 26
NT1 Strontium 78
NT1 Strontium 79
NT1 Strontium 81
NT1 Strontium 93
NT1 Strontium 94
NT1 Sulfur 37
NT1 Tantalum 167
NT1 Tantalum 168
NT1 Tantalum 169
NT1 Tantalum 170
NT1 Tantalum 171
NT1 Tantalum 172
NT1 Tantalum 178
NT1 Tantalum 182
NT1 Tantalum 185
NT1 Tantalum 186
NT1 Technetium 91
NT1 Technetium 92
NT1 Technetium 93
NT1 Technetium 94
NT1 Technetium 96
NT1 Technetium 101
NT1 Technetium 102
NT1 Technetium 104
NT1 Technetium 105
NT1 Tellurium 112
NT1 Tellurium 113
NT1 Tellurium 114
NT1 Tellurium 115
NT1 Tellurium 131
NT1 Tellurium 133
NT1 Tellurium 134
NT1 Terbium 147
NT1 Terbium 148
NT1 Terbium 149
NT1 Terbium 150
NT1 Terbium 152
NT1 Terbium 162
NT1 Terbium 163
NT1 Terbium 164
NT1 Terbium 165
NT1 Thallium 188
NT1 Thallium 189
NT1 Thallium 190
NT1 Thallium 191
NT1 Thallium 192
NT1 Thallium 193
NT1 Thallium 194
NT1 Thallium 206
NT1 Thallium 207
NT1 Thallium 208
NT1 Thallium 209
NT1 Thallium 210
NT1 Thorium 225
NT1 Thorium 226
NT1 Thorium 233
NT1 Thorium 235
NT1 Thorium 236
NT1 Thulium 156
NT1 Thulium 157
NT1 Thulium 158
NT1 Thulium 159
NT1 Thulium 160
NT1 Thulium 161
NT1 Thulium 162
NT1 Thulium 164
NT1 Thulium 174
NT1 Thulium 175
NT1 Thulium 176
NT1 Thulium 177
NT1 Tin 106
NT1 Tin 107
NT1 Tin 108
NT1 Tin 109
NT1 Tin 111
NT1 Tin 113
NT1 Tin 123
NT1 Tin 125
NT1 Tin 127
NT1 Tin 128
NT1 Tin 129
NT1 Tin 130
NT1 Tin 131
NT1 Tin 132
NT1 Titanium 51
NT1 Titanium 52
NT1 Tungsten 170
NT1 Tungsten 171
NT1 Tungsten 172
NT1 Tungsten 173
NT1 Tungsten 174
NT1 Tungsten 175
NT1 Tungsten 179
NT1 Tungsten 185
NT1 Tungsten 189
NT1 Tungsten 190
NT1 Uranium 227
NT1 Uranium 228
NT1 Uranium 229
NT1 Uranium 235
NT1 Uranium 239
NT1 Uranium 242
NT1 Vanadium 47
NT1 Vanadium 52
NT1 Vanadium 53
NT1 Xenon 117
NT1 Xenon 118
NT1 Xenon 119
NT1 Xenon 120
NT1 Xenon 121
NT1 Xenon 127
NT1 Xenon 135
NT1 Xenon 137
NT1 Xenon 138
NT1 Ytterbium 158
NT1 Ytterbium 159
NT1 Ytterbium 160
NT1 Ytterbium 161
NT1 Ytterbium 162
NT1 Ytterbium 163
NT1 Ytterbium 165
NT1 Ytterbium 167
NT1 Ytterbium 169
NT1 Ytterbium 179
NT1 Ytterbium 180
NT1 Yttrium 81
NT1 Yttrium 82
NT1 Yttrium 83
NT1 Yttrium 84
NT1 Yttrium 86
NT1 Yttrium 91
NT1 Yttrium 94
NT1 Yttrium 95
NT1 Yttrium 96
NT1 Yttrium 179
NT1 Zinc 60
NT1 Zinc 61
NT1 Zinc 63
NT1 Zinc 69
NT1 Zinc 71
NT1 Zinc 74
NT1 Zirconium 81
NT1 Zirconium 82
NT1 Zirconium 84
NT1 Zirconium 85
NT1 Zirconium 89
RT Half-Life
RT Lifetime

MIOCENE EPOCH [01]
DA October 20, 1977
BT1 Tertiary Period
BT2 Cenozoic Era
BT3 Geologic Ages
RT Age Estimation
RT Geologic History
RT Stratigraphy

MIO
DA December 1, 1974
USE Maximum Inhalation Quantity

MIR ORBITAL STATION [01]
DA November 21, 1989
BT1 Satellites
BT1 Space Vehicles
BT2 Vehicles

MIR REACTOR [01]
DA December 1, 1974
UF *Melekess-MIR Reactor*
BT1 Experimental Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors

Mirror Advanced Reactor Study
DA June 20, 1983
USE MARS Reactor

Mirror Fusion Test Facility
DA October 19, 1977
USE MFTF Devices

MIRROR NUCLEI [01]
DA December 1, 1974
BT1 Nuclei
RT Isobaric Nuclei

MIRROR RATIO [01]
DA October 1, 1975
RT Magnetic Fields
RT Magnetic Mirror Configurations
RT Magnetic Mirrors

MIRRORS [01]
DA January 30, 1975
NT1 Electrostatic Mirrors
NT1 Flat Mirrors
NT1 Fresnel Reflectors
NT1 Heat Mirrors
NT1 Laser Mirrors
RT Optical Systems
RT Parabolic Reflectors
RT Reflection
RT Solar Concentrators
RT Solar Reflectors
RT Telescopes

Mirrors (Magnetic)
DA December 1, 1974
USE Magnetic Mirrors

MIS SOLAR CELLS [01]
DA July 18, 1981
UF *Metal-Insulator-Semiconductor Solar Cells*
BT1 Solar Cells
BT2 Photovoltaic Cells
BT3 Photoelectric Cells
BT4 Direct Energy Converters
BT2 Solar Equipment
BT3 Equipment
RT MIS Transistors
RT Schottky Barrier Solar Cells

MIS TRANSISTORS [01]
(Metal Insulator Silicon transistors.)
DA December 1, 1974
BT1 Transistors
BT2 Semiconductor Devices
RT MIS Solar Cells

MISCH METAL [01]
DA December 1, 1974
BT1 Cerium Base Alloys
BT2 Cerium Alloys
BT3 Rare Earth Alloys
BT4 Alloys
BT1 Lanthanum Alloys

BT2 Rare Earth Alloys
BT3 Alloys

Miscibility
DA July 18, 1979
USE Solubility

Miscible Flooding
DA March 11, 1976
USE Miscible-Phase Displacement

MISCIBLE-PHASE DISPLACEMENT [01]
DA March 11, 1976
UF *Miscible Flooding*
BT1 Fluid Injection
NT1 Carbon Dioxide Injection
NT1 Microemulsion Flooding
RT Enhanced Recovery
RT Petroleum

MISCO METAL [01]
DA December 1, 1974
BT1 Chromium Alloys
BT2 Alloys
BT1 Iron Alloys
BT2 Alloys
BT1 Nickel Alloys
BT2 Alloys

Misgurnus
DA December 1, 1974
USE Fishes

MISONIDAZOLE [01]
DA January 9, 1981
UF *2-Nitroimidazole*
UF *RO-07-0582*
BT1 Antineoplastic Drugs
BT2 Drugs
BT1 Imidazoles
BT2 Azoles
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
BT1 Radiosensitizers
BT2 Drugs
RT Chemotherapy

MISSILE LAUNCHING SITES
DA January 15, 1980
RT Launching
RT Missiles
RT Rockets

MISSILE PROTECTION [01]
DA January 30, 1975
RT Impact Shock
RT Reactor Accidents

MISSILE SILOS
DA February 6, 1975
RT Missiles
RT National Defense

MISSILES [01]
DA December 1, 1974
NT1 Cruise Missiles
RT Ammunition
RT Flight Testing
RT Launching
RT Missile Launching Sites
RT Missile Silos
RT Propulsion Systems
RT Reentry
RT Reentry Vehicles
RT Rockets
RT Thrusters

MISSING MASS [01]
DA December 1, 1974
BT1 Mass
RT Missing-Mass Spectra
RT Missing-Mass Spectrometers
RT Neutral Particles
DEF The unobserved mass resulting from neutral particles in a particle-particle interaction.

MISSING-MASS SPECTRA [01]
DA December 1, 1974
BT1 Spectra
RT ABC Effect
RT Missing Mass
RT Missing-Mass Spectrometers

MISSING-MASS SPECTROMETERS [01]
DA December 1, 1974
BT1 Spectrometers
BT2 Measuring Instruments
RT Missing Mass
RT Missing-Mass Spectra
RT Neutral Particles

MISSION ANALYSIS
DA December 10, 1979
RT Commercialization
RT Decision Making
RT Economic Analysis
RT Feasibility Studies
RT Marketing Research
RT Technology Utilization
DEF A systematic approach to evaluation of the potential feasible applications of a generic new technology.

MISSISSIPPI [01]
DA December 1, 1974
BT1 USA
BT2 Developed Countries
BT2 North America
RT Chattanooga Formation
RT Mississippi River
RT US Gulf Coast

MISSISSIPPI RIVER [01]
DA December 1, 1974
BT1 Rivers
BT2 Streams
BT3 Surface Waters
RT Arkansas
RT Illinois
RT Iowa
RT Kentucky
RT Louisiana
RT Minnesota
RT Mississippi
RT Mississippi River Basin
RT Missouri
RT Tennessee
RT Wisconsin

MISSISSIPPI RIVER BASIN
DA April 12, 1977
BT1 Watersheds
RT Mississippi River

Mississippian Period
(Prior to April 1990 this was a valid descriptor.)
DA October 19, 1977
USE Carboniferous Period

MISSOURI [01]
DA December 1, 1974
BT1 USA
BT2 Developed Countries
BT2 North America
RT Chattanooga Formation
RT Kansas City Plant
RT Mississippi River
RT Missouri River
RT Missouri River Basin
RT Ozark Region
RT White River Basin

MISSOURI RIVER [01]
DA February 6, 1975
BT1 Rivers
BT2 Streams
BT3 Surface Waters
RT Iowa
RT Kansas
RT Missouri
RT Missouri River Basin
RT Montana
RT Nebraska
RT North Dakota
RT South Dakota

MISSOURI RIVER BASIN
DA June 24, 1977
BT1 Watersheds
RT Missouri
RT Missouri River

Missouri University/Columbia Research Reactor
DA December 1, 1974
USE MURR Reactor

Missouri University/Rolla Research Reactor
DA December 1, 1974
USE UMRR Reactor

MIST EXTRACTORS
(Devices that remove liquid mist or droplets from a gas stream via impingement, flow-direction change, velocity change, centrifugal force, filters, or coalescing packs.)
DA March 8, 1977
UF *Entrainment Separators*
BT1 Extraction Apparatuses
BT2 Separation Equipment

MIST-LIFT CYCLES
DA August 12, 1980
UF *OTEC Mist-Lift Cycle*
SF *Beck Cycle*
BT1 Lift Cycles
BT2 Thermodynamic Cycles

MIT BATES LINAC [01]
(Bates Electron Linear Accelerator Facility at MIT.)
DA March 8, 1978
UF *Bates Linac MIT*
BT1 Linear Accelerators
BT2 Accelerators

MITES [01]
DA December 1, 1974
BT1 Arachnids
BT2 Arthropods
BT3 Invertebrates
BT4 Animals
RT Disease Vectors
RT Parasites
RT Pest Control

MITIGATION [01]
DA July 20, 1983
RT Optimization
RT Pollution Abatement
DEF Abatement or diminution of something painful, harsh, severe, afflictive, or calamitous.

MITOCHONDRIA [01]
DA December 1, 1974
BT1 Cell Constituents
RT Cytoplasm
RT Krebs Cycle
RT Subcellular Distribution

MITOGENS [01]
DA November 14, 1978
NT1 Erythropoietin
NT1 Growth Factors
NT2 Lymphokines
NT3 Interferon
NT1 Phytohemagglutinin
RT Cell Division
RT Immunology
RT Response Modifying Factors
RT Stimulation
RT Tissue Extracts
DEF Substances that induce cell division (mitosis) or stimulate cells to undergo blastogenic activity as in the case of lymphocyte transformation.

MITOMYCIN [01]
DA December 1, 1974
BT1 Antibiotics
BT2 Anti-Infective Agents
BT3 Drugs
BT1 Antimitotic Drugs
BT2 Drugs

BT1 Antineoplastic Drugs
BT2 Drugs

MITOSIS [01]
DA December 1, 1974
UF *Anaphase*
UF *Metaphase*
UF *Prophase*
UF *Telophase*
BT1 Cell Division
RT Antimitotic Drugs
RT Chromosomes
RT Concanavalin A
RT Crossing-Over
RT Mitotic Delay
RT Mitotic Index
RT Phytohemagglutinin

MITOTIC DELAY [01]
DA December 1, 1974
RT Mitosis

MITOTIC INDEX [01]
DA December 1, 1974
RT Mitosis

MITR REACTOR [01]
(Massachusets Institute of Technology, Nuclear Research Lab., Cambridge, Massachusetts, USA.)
DA December 1, 1974
UF *Massachusetts Institute of Technology Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Heavy Water Cooled Reactors
BT2 Reactors
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors

MIUS
DA January 23, 1976
UF *Modular Integrated Utility Systems*
BT1 IEUS
BT2 Energy Systems
RT Central Heating Plants
RT ICES Program
RT Public Utilities
RT Total Energy Systems
DEF Small plant located within housing developments or communities to provide all utility services.

MIXED BED ION EXCHANGERS [01]
DA December 1, 1974
BT1 Ion Exchange Materials
BT2 Materials

MIXED CARBIDE FUELS [01]
DA February 23, 1982
BT1 Nuclear Fuels
BT2 Energy Sources
BT2 Fuels
BT2 Reactor Materials
BT3 Materials
RT Plutonium Carbides
RT Uranium Carbides

Mixed-Function Oxidase Systems
(Prior to January 1981, this was a valid descriptor and older material is so indexed.)
DA January 15, 1980
USE Mixed-Function Oxidases

MIXED-FUNCTION OXIDASES
DA January 30, 1981
UF *Mixed-Function Oxidase Systems*
BT1 Oxygenases
BT2 Oxidoreductases
BT3 Enzymes
BT4 Proteins
BT5 Organic Compounds
RT Aryl 4-Monooxygenase
RT Cytochrome Oxidase
RT Cytochromes
RT Microsomes

Mixed Media
DA December 1, 1974
USE Mixed Solvents

MIXED NITRIDE FUELS [01]
DA October 28, 1988
BT1 Solid Fuels
BT2 Fuels
RT Ceramics
RT Plutonium Nitrides
RT Uranium Nitrides

MIXED OXIDE FUEL FABRICATION PLANTS
DA January 23, 1975
UF *Uranium Oxide Fuel Plant*
BT1 Fuel Fabrication Plants
BT2 Nuclear Facilities

MIXED OXIDE FUELS [01]
(Uranium dioxide mixed with other oxides.)
DA May 7, 1980
BT1 Solid Fuels
BT2 Fuels
RT Ceramics

MIXED SOLVENTS [01]
DA December 1, 1974
UF *Mixed Media*
BT1 Mixtures
BT2 Dispersions
BT1 Solvents

MIXED SPECTRUM REACTORS [01]
DA December 1, 1974
UF+ *Fast-Mixed Spectrum Reactor*
BT1 Reactors
NT1 ACPR Reactor
NT1 BR-3-VN Reactor
NT1 Browns Ferry-1 Reactor
NT1 Browns Ferry-2 Reactor
NT1 Browns Ferry-3 Reactor
NT1 Diorit Reactor
NT1 NSRR Reactor
NT1 OMRE Reactor
NT1 RPT Reactor

MIXED STATE
DA June 12, 1975
RT Superconductivity
DEF A state of partial penetration of magnetic fields in orderly arrays of magnetic flux in vortices, usually thought of as a state of Type-II superconductivity only.

MIXER-SETTLERS [01]
DA December 1, 1974
BT1 Extraction Apparatuses
BT2 Separation Equipment
RT Laboratory Equipment
RT Mixers
RT Mixing

MIXERS [01]
DA January 23, 1976
UF *Blenders*
BT1 Materials Handling Equipment
BT2 Equipment
RT Mixer-Settlers
RT Mullers

MIXING [01]
(Not for CONFIGURATION MIXING.)
DA December 1, 1974
UF *Blending*
RT Aeration
RT Diffusion
RT Mixer-Settlers
RT Mixtures
RT Mullers
RT Solubility
RT Stirring
RT Turbulence

Mixing (Genetic)
DA December 1, 1974
USE Hybridization

MIXING HEAT [01]
DA December 1, 1974
UF *Heat of Mixing*
BT1 Enthalpy
BT2 Thermodynamic Properties
BT3 Physical Properties
RT Solution Heat

MIXING RATIO [01]
DA December 1, 1974
RT Branching Ratio
RT Decay
RT Energy-Level Transitions
RT Multipolarity
RT Multipoles
RT Neutrino Oscillation
RT Particle Production

MIXTURES [01]
DA December 1, 1974
BT1 Dispersions
NT1 Binary Mixtures
NT1 Homogeneous Mixtures
NT1 Mixed Solvents
NT1 Slurries
NT2 Fuel Slurries
NT1 Solutions
NT2 Aqueous Solutions
NT2 Fuel Solutions
NT2 Hypertonic Solutions
NT2 Isotonic Solutions
NT2 Leachates
NT2 Process Solutions
NT2 Solid Solutions
RT Compatibility
RT Mixing

ML-1 REACTOR [01]
DA December 1, 1974
UF *Mobile Low Power Plant-1*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Mobile Reactors
BT2 Reactors
BT1 Nitrogen Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors

MM-0011
DA December 20, 1978
USE Nickel Base Alloys

MMS
DA May 17, 1976
USE Methyl Methanesulfonate

MN-21
DA December 20, 1978
USE Alloy-MN-21

MNR REACTOR [01]
(McMaster University, Ontario, Canada.)
DA December 1, 1974
UF *Mc Master University Nuclear Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors

→**MNS REACTOR [01]**
(Iae, China.)
DA February 25, 1991
UF *Miniature Neutron Source Reactor*
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
RT Tank Type Reactors

MNU
DA July 23, 1980
USE Methyl Nitrosourea

Mo-Re 1
DA August 9, 1979
USE Alloy-Mo-Re-1

Mo-Re 2
DA October 23, 1979
USE Alloy-Mo-Re-2

MOATA REACTOR [01]
(Australian Atomic Energy Commission Research Establishment, Lucas Heights, Australia.)
DA December 1, 1974
UF *Australian MOATA Reactor*
BT1 Argonaut Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors

MOBIL M-GASOLINE PROCESS
DA December 16, 1976
RT Gasoline
RT Gasoline Plants
RT Synthetic Fuels
RT Synthetic Petroleum
DEF One-step catalytic conversion of methanol to gasoline. Crude methanol is produced from coal gasification synthesis gas or natural gas.

MOBILE HOMES
DA January 23, 1975
BT1 Residential Buildings
BT2 Buildings
RT Households
RT Houses
RT Prefabricated Buildings
RT Residential Sector
RT Vehicles

Mobile Low Power Plant-1
DA December 1, 1974
USE ML-1 Reactor

MOBILE POLLUTANT SOURCES [01]
(Used for general articles when sources are not named. See also specific mobile sources e.g., AUTOMOBILES.)
DA April 5, 1978
BT1 Pollution Sources
RT Air Pollution
RT Point Pollutant Sources
RT Pollution
RT Stationary Pollutant Sources

MOBILE REACTORS [01]
(Designed to be movable while in operation.)
DA December 1, 1974
SF *710 Reactor*
BT1 Reactors
NT1 MH-1A Reactor
NT1 ML-1 Reactor
NT1 S1C Prototype Reactor
* **NT1** Space Power Reactors
RT Thermionic Reactors

MOBILITY [01]
(Not for material movement; see also TRANSPORT.)
DA December 1, 1974
NT1 Carrier Mobility
NT1 Hole Mobility
NT1 Particle Mobility
NT2 Electron Mobility
NT2 Ion Mobility

MOCHOVCE-1 REACTOR [01]
DA November 6, 1984
BT1 WWER Type Reactors
BT2 PWR Type Reactors
BT3 Enriched Uranium Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors
BT3 Thermal Reactors
BT4 Reactors
BT3 Water Cooled Reactors
BT4 Reactors
BT3 Water Moderated Reactors
BT4 Reactors

MOCKUP [01]
DA December 1, 1974
BT1 Structural Models
NT1 Phantoms
RT Biological Models
RT Functional Models
RT Mathematical Models
RT Microcosms
RT Pilot Plants
RT Scale Models
RT Simulators

MOCTEZUMITE [01]
DA December 1, 1974
BT1 Lead Oxides
BT2 Lead Compounds
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT1 Oxide Minerals
BT2 Minerals
BT1 Tellurium Oxides
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT2 Tellurium Compounds
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
BT1 Uranium Oxides
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT2 Uranium Compounds
BT3 Actinide Compounds

MODE CONTROL [01]
DA March 8, 1978
BT1 Control
RT Lasers
RT Mode Selection

→**MODE CONVERSION [01]**
DA April 9, 1991
RT Oscillation Modes
RT Plasma Heating
RT Resonance
RT Wave Propagation
DEF Transformation of an electromagnetic wave from one mode of propagation to another.

MODE LOCKING [01]
DA January 23, 1975
RT Lasers
RT Mode Selection

→**MODE RATIONAL SURFACES [01]**
DA April 9, 1991
UF *Rational Surfaces*
BT1 Magnetic Surfaces
BT2 Magnetic Field Configurations
RT Stellarators
RT Tokamak Devices

MODE SELECTION [01]
DA February 14, 1978
BT1 Tuning
RT Frequency Selection
RT Lasers
RT Mode Control
RT Mode Locking
RT Oscillation Modes

Models (Atomic)
DA December 1, 1974
USE Atomic Models

Models (Biological)
DA December 1, 1974
USE Biological Models

Models (Cosmological)
DA December 1, 1974
USE Cosmological Models

Models (Crystal)
DA December 1, 1974
USE Crystal Models

Models (Flow)
DA December 1, 1974
USE Flow Models

Models (Functional)
DA December 1, 1974
USE Functional Models

Models (Mathematical)
DA December 1, 1974
USE Mathematical Models

Models (Nuclear)
DA December 1, 1974
USE Nuclear Models

Models (Optical)
DA December 1, 1974
USE Optical Models

Models (Organizational)
DA December 16, 1975
USE Organizational Models

Models (Particle)
DA December 1, 1974
USE Particle Models

Models (Plasma)
DA December 1, 1974
USE Plasma Simulation

Models (Scale)
DA August 12, 1980
USE Scale Models

Models (Shell)
DA December 1, 1974
USE Shell Models

Models (Star)
DA December 16, 1975
USE Star Models

Models (Statistical)
DA December 1, 1974
USE Statistical Models

Models (Structural)
DA December 1, 1974
USE Structural Models

MODERATELY ENRICHED URANIUM [01]
(5 - 80 per cent.)
DA December 1, 1974
BT1 Enriched Uranium
BT2 Isotope Enriched Materials
BT3 Materials
BT2 Uranium
BT3 Actinides
BT4 Metals
BT5 Elements

MODERATING DETECTORS [01]
DA December 1, 1974
BT1 Neutron Detectors
BT2 Radiation Detectors
BT3 Measuring Instruments
NT1 Bonner Sphere Detectors
NT1 Long Counters
RT Activation Detectors
RT BF3 Counters

MODERATING RATIO [01]
DA December 1, 1974
RT Moderators

MODERATOR-FUEL RATIO [01]
DA December 1, 1974
RT Moderators

MODERATOR PELLETS [01]
DA October 1, 1975
BT1 Pellets
RT Moderators
RT Pelletizing

MODERATORS [01]
(See also descriptors for specific moderator materials.)
DA December 1, 1974
NT1 Hydride Moderators
NT1 Hydroxide Moderators
NT1 Organic Moderators
RT Beryllium
RT Beryllium Alloys
RT Beryllium Compounds
RT Beryllium Oxides
RT Configuration Control
RT Graphite
RT Heavy Water
RT Moderating Ratio
RT Moderator-Fuel Ratio
RT Moderator Pellets
RT Neutron Slowing-Down Theory
RT Reactor Cores
RT Reactor Materials
RT Sigma Piles
RT Thermal Columns
RT Water

Modes (Optical)
DA December 1, 1974
USE Optical Modes

Modes (Oscillation)
DA December 1, 1974
USE Oscillation Modes

Modes (Single-Particle)
DA December 1, 1974
USE Single-Particle Modes

MODIFICATIONS [01]
DA April 15, 1975
RT Construction
RT Maintenance

MODIFIED IN-SITU PROCESSES
DA May 5, 1975
NT1 Integrated In-Situ Process
NT1 Oxy Modified In-Situ Process
NT1 RISE
RT In-Situ Processing
RT Retorting
RT Underground Mining
DEF Combination of some underground mining and surface retorting with in-situ retorting techniques.

Modified Surface Delta Potential
DA May 19, 1976
USE Surface Delta Potential

Modular Cogeneration Power Plants
DA May 31, 1985
SEE Dual-Purpose Power Plants

Modular Construction
DA October 23, 1979
USE Modular Structures

Modular Integrated Utility Systems
DA January 23, 1976
USE MIUS

MODULAR STRUCTURES [01]
DA October 23, 1979
UF *Modular Construction*
RT Construction
RT Construction Industry
RT Energy Facilities
RT Industrial Plants

MODULATION [01]
DA December 1, 1974
NT1 Frequency Modulation
RT Variations

MOELLER SCATTERING [01]
DA December 1, 1974
BT1 Elastic Scattering
BT2 Scattering
RT Bhabha Scattering
RT Quantum Electrodynamics

MOESSBAUER EFFECT [01]
DA December 1, 1974
RT Recoilless Fraction
RT Resonance Fluorescence
RT Structural Chemical Analysis

MOESSBAUER SPECTROMETERS [01]
DA December 1, 1974
BT1 Gamma Spectrometers
BT2 Spectrometers
BT3 Measuring Instruments

MOHAWK RIVER [01]
DA December 1, 1974
BT1 Rivers
BT2 Streams
BT3 Surface Waters
RT New York

MOHOLE PROJECT [01]
DA December 1, 1974
RT Geology

MOISTURE [01]
DA February 6, 1975
SF *Water Content*
RT Humidity
RT Water

MOISTURE GAGES [01]
DA December 1, 1974
UF *Neutron Moisture Meters*
BT1 Measuring Instruments
RT Humidity
RT Hygrometry
RT Neutron Probes
RT Radiometric Gages

Moisture Separators
DA August 19, 1975
USE Vapor Separators

MOLASSES [01]
DA April 12, 1977
UF *Syrups*
RT Saccharides
RT Sugar Cane

Moldavites
DA December 1, 1974
USE Tektites

MOLDING [01]
DA December 1, 1974
BT1 Fabrication
NT1 Briquetting
NT1 Pelletizing
RT Casting
RT Casting Molds
RT Materials Working
RT Molding Materials

MOLDING MATERIALS
DA November 17, 1976
BT1 Materials
RT Molding

→**MOLDOVA [01]**
(Prior to April 1993, this was indexed by USSR.)
DA April 8, 1993
BT1 Eastern Europe
BT2 Europe

Molds
DA December 1, 1974
USE Fungi

Molds (Casting)
DA December 1, 1974
USE Casting Molds

MOLECULAR BEAM EPITAXY
DA October 5, 1982
UF *MBE*
BT1 Epitaxy
RT Crystal Growth
DEF Epitaxy induced by molecular beams for the production of thin films.

MOLECULAR BEAMS [01]
DA December 1, 1974
BT1 Beams
RT Molecules

MOLECULAR BIOLOGY [01]
DA December 1, 1974
RT Biological Effects
RT Biological Evolution
RT Biological Pathways
RT Biophysics
RT Biosynthesis
RT Biotechnology
RT DNA Sequencing
RT Metabolism
RT Molecules
RT Physiology
RT Radiobiology
RT Strand Breaks

→**MOLECULAR CLUSTERS [01]**
DA November 4, 1992
RT Cluster Beams

MOLECULAR CRYSTALS [01]
DA December 1, 1974
BT1 Crystals

Molecular Fluorescence Spectroscopy
DA December 1, 1974
USE Fluorescence Spectroscopy

MOLECULAR ION BEAM INJECTION [01]
DA December 1, 1974
BT1 Ion Beam Injection
BT2 Beam Injection

MOLECULAR IONS [01]
(Coordinate the above descriptor with a descriptor for the specific ion.)
DA December 16, 1975
UF *Ions (Molecular)*
BT1 Ions
BT2 Charged Particles
NT1 Hydrogen Ions 2 Plus
NT1 Hydrogen Ions 3 Plus
NT1 Oxonium Ions

MOLECULAR MODELS [01]
DA December 1, 1974
BT1 Mathematical Models
NT1 Thermodynamic Molecular Model

MOLECULAR ORBITAL METHOD [01]
DA December 1, 1974
BT1 Calculation Methods
RT Electronic Structure
RT LCAO Method
RT Molecular Structure

Molecular Orbital Model
DA December 1, 1974
USE Atomic Models
AND Molecules

MOLECULAR SIEVE PROCESS
DA January 27, 1975
BT1 Desulfurization
BT2 Chemical Reactions
DEF Process to dehydrate and to remove CO_2 and S compounds from natural gas.

MOLECULAR SIEVES [01]
DA December 1, 1974
BT1 Adsorbents
RT Adsorption

MOLECULAR STRUCTURE [01]
DA December 1, 1974
UF *Structure (Molecular)*
NT1 Amino Acid Sequence
RT Biological Repair
RT Bond Lengths
RT Configuration Interaction
RT Conformational Changes
RT Dissociation Energy
RT DNA Sequencing
RT Helical Configuration
RT Interatomic Distances
RT Ionic Potential
RT LCAO Method
RT Matrix Isolation
RT Molecular Orbital Method
RT Molecules
RT Nucleic Acid Denaturation
RT Photoelectron Spectroscopy
RT Photoreactivation
RT Protein Denaturation
RT Protein Structure
RT Stereochemistry
RT Structural Chemical Analysis
RT Structure-Activity Relationships

MOLECULAR WEIGHT [01]
DA December 1, 1974
RT Cryoscopy
RT Depolymerization
RT Molecules
RT Osmosis
RT Polymerization
RT Weight

MOLECULE COLLISIONS [01]
DA December 1, 1974
BT1 Collisions
NT1 Atom-Molecule Collisions
NT1 Electron-Molecule Collisions
NT1 Ion-Molecule Collisions
NT1 Molecule-Molecule Collisions
NT1 Photon-Molecule Collisions
NT1 Positron-Molecule Collisions

MOLECULE-MOLECULE COLLISIONS [01]
DA December 1, 1974
BT1 Molecule Collisions
BT2 Collisions

MOLECULES [01]
DA December 1, 1974
UF+ *Molecular Orbital Model*
NT1 Mesic Molecules
NT2 Muonic Molecules
NT1 Polyatomic Molecules
RT Jahn-Teller Effect
RT Kihara Potential
RT Matrix Isolation
RT Micellar Systems
RT Molecular Beams
RT Molecular Biology
RT Molecular Structure
RT Molecular Weight
RT Van der Waals Forces

MOLIERE THEORY [01]
DA December 1, 1974
RT Multiple Scattering

MOLLIER DIAGRAMS [01]
DA December 1, 1974
RT Steam
RT Thermodynamics

MOLLUSCS [01]
DA December 1, 1974
UF *Gasteropods*
BT1 Aquatic Organisms
BT1 Invertebrates
BT2 Animals
NT1 Clams
NT1 Mussels
NT1 Oysters
NT1 Snails
RT Benthos

MOLNIYA SATELLITES [01]
DA December 1, 1974
BT1 Satellites

MOLTEN CARBONATE FUEL CELLS [01]
(Prior to June 1980 this information was indexed with the descriptors HIGH-TEMPERATURE FUEL CELLS + MOLTEN SALTS + CARBONATES.)
DA June 23, 1980
BT1 High-Temperature Fuel Cells
BT2 Fuel Cells
BT3 Direct Energy Converters
BT3 Electrochemical Cells

MOLTEN CARBONATE PROCESS
DA August 4, 1976
BT1 Desulfurization
BT2 Chemical Reactions
DEF Process for removal of sulfur dioxide from flue gas using ternary eutectic alkali metal carbonate melt; reduction of sulfite and sulfate reaction products with petroleum coke; and reaction of resulting sulfide with steam and carbon dioxide to regenerate carbonate and form hydrogen sulfide, which can be converted to sulfur.

MOLTEN IRON PUREGAS PROCESS
DA June 4, 1985
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes
DEF Gasification of coal using oxygen, top and bottom blowing, and a liquid iron bath to produce very pure synthesis gas.

MOLTEN METAL-WATER REACTIONS [01]
DA April 12, 1977
UF *Liquid Metal-Water Reactions*
UF *Metal-Water Reactions*
UF *Sodium-Water Reactions*
RT Chemical Reactions
RT Explosions
RT Fuel-Coolant Interactions
RT Reactor Accidents
DEF Combined physical-chemical explosions produced by sudden contact between high temperature metals and water.

MOLTEN SALT COAL GASIFICATION PROCESS
DA October 1, 1975
UF *Atomics International Molten Salt Process*
UF *Molten Salt Process (Atomic International)*
SF *Rockwell International Process*
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes
RT Molten Salt Waste Gasification Process
DEF Crushed and dried coal in preheated steam-oxygen stream is fed with Na_2CO_3 into gasifier. Raw gas (330 BTU/SCF) is shifted, purified, methanated, and dehydrated.

Molten Salt Coolants
DA December 1, 1974
USE Molten Salts

MOLTEN SALT COOLED REACTORS [01]
DA December 1, 1974
BT1 Molten Salt Reactors
BT2 Reactors
NT1 MSRE Reactor

MOLTEN SALT FUELED REACTORS [01]
DA December 1, 1974
BT1 Fluid Fueled Reactors
BT2 Reactors
BT1 Molten Salt Reactors
BT2 Reactors

MOLTEN SALT FUELS [01]
DA December 1, 1974
UF *Fused Salt Fuels*
BT1 Liquid Fuels
BT2 Fuels
BT1 Nuclear Fuels
BT2 Energy Sources
BT2 Fuels
BT2 Reactor Materials
BT3 Materials
RT Molten Salt Reactors

Molten Salt Process (Atomic International)
DA October 1, 1975
USE Molten Salt Coal Gasification Process

Molten Salt Process (Kellogg)
DA January 29, 1975
USE Kellogg Process

Molten Salt Reactor Experiment
DA December 1, 1974
USE MSRE Reactor

MOLTEN SALT REACTORS [01]
DA December 1, 1974
BT1 Reactors
NT1 Molten Salt Cooled Reactors
NT2 MSRE Reactor
NT1 Molten Salt Fueled Reactors
RT Metal Transfer Process
RT Molten Salt Fuels
RT Reductive Extraction

MOLTEN SALT WASTE GASIFICATION PROCESS
DA July 18, 1981
SF *Rockwell International Process*
BT1 Waste Processing
BT2 Processing
BT2 Waste Management
BT3 Management
RT Molten Salt Coal Gasification Process
RT Molten Salts

MOLTEN SALTS [01]
DA December 1, 1974
UF *Fused Salts*
UF *Molten Salt Coolants*
BT1 Salts
NT1 Flibe
RT Coolants
RT Lichtenberg Process
RT Molten Salt Waste Gasification Process

MOLTING [01]
DA September 19, 1977
UF *Moulting*
RT Animal Growth
DEF The shedding of an outer covering as part of a periodic process of growth.

MOLTOX OXYGEN PROCESS
(Air products and chemicals process for oxygen production.)
DA November 20, 1986
RT Oxygen Plants

MOLURANITE [01]
DA December 1, 1974
BT1 Oxide Minerals
BT2 Minerals

BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
RT Molybdenum Oxides
RT Uranium Oxides

MOLYBDATES [01]
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
DA December 1, 1974
BT1 Molybdenum Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Oxygen Compounds
RT Molybdenum Oxides

MOLYBDENUM [01]
DA December 1, 1974
BT1 Transition Elements
BT2 Metals
BT3 Elements
RT Refractory Metals

→**MOLYBDENUM 84 [01]**
DA April 9, 1991
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Molybdenum Isotopes
BT2 Isotopes

MOLYBDENUM 85 [01]
DA July 6, 1978
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Molybdenum Isotopes
BT2 Isotopes

MOLYBDENUM 87 [01]
DA January 28, 1975
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Molybdenum Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

MOLYBDENUM 88 [01]
DA September 15, 1976
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Molybdenum Isotopes
BT2 Isotopes

MOLYBDENUM 89 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Molybdenum Isotopes
BT2 Isotopes

MOLYBDENUM 90 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Molybdenum Isotopes
BT2 Isotopes

MOLYBDENUM 91 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Molybdenum Isotopes
BT2 Isotopes

MOLYBDENUM 92 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Molybdenum Isotopes
BT2 Isotopes
BT1 Nanosec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

MOLYBDENUM 92 REACTIONS [01]
DA October 11, 1983
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

MOLYBDENUM 92 TARGET [01]
DA July 9, 1976
BT1 Targets

MOLYBDENUM 93 [01]
DA December 1, 1974
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Molybdenum Isotopes
BT2 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

MOLYBDENUM 94 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Molybdenum Isotopes
BT2 Isotopes
BT1 Nanosec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

MOLYBDENUM 94 TARGET [01]
DA July 9, 1976
BT1 Targets

MOLYBDENUM 95 [01]
DA December 1, 1974
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Molybdenum Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

MOLYBDENUM 95 TARGET [01]
DA July 9, 1976
BT1 Targets

MOLYBDENUM 96 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Molybdenum Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

MOLYBDENUM 96 REACTIONS [01]
DA December 12, 1989
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

MOLYBDENUM 96 TARGET [01]
DA July 9, 1976
BT1 Targets

MOLYBDENUM 97 [01]
DA December 1, 1974
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Molybdenum Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

MOLYBDENUM 97 TARGET [01]
DA July 9, 1976
BT1 Targets

MOLYBDENUM 98 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Molybdenum Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

MOLYBDENUM 98 REACTIONS [01]
DA December 5, 1988
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

MOLYBDENUM 98 TARGET [01]
DA July 9, 1976
BT1 Targets

MOLYBDENUM 99 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Molybdenum Isotopes
BT2 Isotopes
RT Radioisotope Generators

MOLYBDENUM 100 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Molybdenum Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

MOLYBDENUM 100 REACTIONS [01]
DA August 20, 1984
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

MOLYBDENUM 100 TARGET [01]
DA July 9, 1976
BT1 Targets

MOLYBDENUM 101 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Molybdenum Isotopes
BT2 Isotopes

MOLYBDENUM 102 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Molybdenum Isotopes
BT2 Isotopes

MOLYBDENUM 103 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Molybdenum Isotopes
BT2 Isotopes

MOLYBDENUM 104 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Molybdenum Isotopes
BT2 Isotopes

MOLYBDENUM 105 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Molybdenum Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

MOLYBDENUM 106 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Molybdenum Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

MOLYBDENUM 107 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Molybdenum Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

MOLYBDENUM 108 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Molybdenum Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

MOLYBDENUM ADDITIONS [01]
DA December 1, 1974
BT1 Molybdenum Alloys
BT2 Alloys
NT1 Alloy-Fe48Cr24Ni24
NT2 Alloy-IN-519
NT1 Alloy-Ni47Cr25Co12W9Fe3
NT2 Alloy-IN-643
NT2 Inconel 643
NT1 Alloy-Ti90Al6
NT1 Steel-Cr2Mo
NT2 Steel-10Cd9-10
NT2 Steel-ASTM-A542
NT1 Steel-Cr2MoNiNb
NT1 Steel-Cr2MoV
NT1 Steel-Cr2NiMoV
NT1 Steel-Cr5Mo
NT1 Steel-Cr9Mo
NT1 Steel-Cr12MoNiV
NT1 Steel-Cr12MoV
NT2 Alloy-HT-9
NT1 Steel-Cr17Mo
NT2 Stainless Steel-440
NT1 Steel-CrAlNiMo
NT1 Steel-CrMo
NT1 Steel-CrMoV
NT1 Steel-MnCuMo
NT2 Steel-ASTM-A537
NT1 Steel-MnMo
NT2 Steel-ASTM-A302
NT1 Steel-MnNiMo
NT1 Steel-MnNiMoV
NT1 Steel-Ni3CrMo
NT2 Steel-ASTM-A543
NT1 Steel-Ni3CrMoV
NT1 Steel-Ni3MoV
NT1 Steel-NiCrMo
NT1 Steel-NiMoCr

MOLYBDENUM ALLOYS [01]
DA December 1, 1974
BT1 Alloys
NT1 Alloy-B-1900
NT1 Alloy-Co43Cr20Fe18Ni13W3
NT2 HAVAR
NT1 Alloy-Co52Cr17Fe15Mo3Si3
NT2 Tribaloy 800
NT1 Alloy-Co62Cr28Mo6Ni3
NT2 Alloy-HS-21
NT2 Haynes Stellite No 21
NT1 Alloy-D-979
NT1 Alloy-EhP-496
NT1 Alloy-Fe31Cr21Co20Ni20Mo3W2
NT2 Alloy-HD-556
NT2 Alloy-N-155
NT1 Alloy-IN-102
NT1 Alloy-KhN50MBVYu
NT1 Alloy-Mar-M246
NT1 Alloy-MN-21
NT1 Alloy-MP35N
NT1 Alloy-N-9M
NT1 Alloy-N-10M
NT1 Alloy-N55M20V25
NT1 Alloy-N65M20V15
NT1 Alloy-Nb94Mo4
NT1 Alloy-Ni42Fe36Cr12Mo6Ti3
NT2 Incoloy 901
NT1 Alloy-Ni43Fe30Cr22Mo3
NT2 Incoloy 825
NT1 Alloy-Ni43Fe33Cr16Mo3
NT2 Nimonic PE16
NT1 Alloy-Ni45Cr23Fe19Co3Mo3W3
NT1 Alloy-Ni48Co28Cr15Al3Mo3Ti2
NT2 Inconel 700
NT1 Alloy-Ni48Cr22Fe18Mo9
NT2 Nimonic PE13
NT1 Alloy-Ni49Cr22Fe18Mo9

NT2 Hastelloy X
NT1 Alloy-Ni50Co20Cr15Al5Mo5
NT2 Nimonic 105
NT1 Alloy-Ni50Cr22Fe18Mo9
NT2 Hastelloy XR
NT1 Alloy-Ni50Mo32Cr15Si3
NT2 Tribaloy 700
NT1 Alloy-Ni53Co19Cr15Mo5Al4Ti3
NT2 Udimet 700
NT1 Alloy-Ni53Cr19Fe19Nb5Mo3
NT2 Inconel 718
NT1 Alloy-Ni54Cr22Co13Mo9
NT2 Inconel 617
NT1 Alloy-Ni54Mo17Cr16Fe6W4
NT2 Hastelloy C
NT1 Alloy-Ni55Co17Cr15Mo5Al4Ti4
NT2 Astroloy
NT1 Alloy-Ni55Cr19Co11Mo10Ti3
NT2 Rene 41
NT1 Alloy-Ni56Cr21W10Mo5Fe4Al2
NT1 Alloy-Ni58Cr14Co8Al4Mo4Nb4W4
NT2 Rene 95
NT1 Alloy-Ni58Cr20Co14Mo4Ti3
NT2 Waspaloy
NT1 Alloy-Ni60Co15Cr10Al6Ti5Mo3
NT2 Alloy-IN-100
NT1 Alloy-Ni60Cr14Co10Ti5Mo4W4Al3
NT2 Rene 80
NT1 Alloy-Ni60Mo13Co9Cr8Nb4Al3
NT1 Alloy-Ni61Cr16Co9Al3Ti3W3
NT2 Alloy-IN-738
NT1 Alloy-Ni61Cr22Mo9Nb4Fe3
NT2 Inconel 625
NT1 Alloy-Ni62Cr16Mo15Fe3
NT2 Hastelloy S
NT1 Alloy-Ni65Cr25Mo10
NT2 Nimonic 86
NT1 Alloy-Ni65Mo16Cr15W4
NT1 Alloy-Ni67Cr19Mo5W5Ti3
NT1 Alloy-Ni68Cr15W6Al3Mo3Fe2
NT1 Alloy-Ni70Mo17Cr7Fe5
NT2 Hastelloy N
NT2 Inor-8
NT1 Alloy-Ni74Cr13Al6Mo4
NT2 Inconel 713C
NT1 Alloy-Ni75Cr12Al6Mo5
NT2 Inconel 713LC
NT1 Alloy-Ni79Fe16Mo4
NT1 Alloy-Ni80Fe16Mo4
NT1 Alloy-NX-188
NT1 Alloy-RA-333
NT1 Alloy-S-590
NT1 Alloy-S-816
NT1 Alloy-Ti78Cr11Mo7Al3
NT1 Alloy-Ti88Mo8Al3
NT1 Alloy-Ti89Al6Mo3
NT1 Alloy-Ti90Al6Mo3
NT1 Alloy-Ti90Mo7Al2
NT1 Alloy-Ti91Al4Mo3
NT1 Alloy-Ti91Al5Cr2
NT1 Alloy-V-36
NT1 Astroloy
NT1 Chlorimet
* NT1 Chromium-Nickel-Molybdenum Steels
NT1 Discaloy
NT1 HAVAR
NT1 Haynes Stellite No 21
NT1 Hymu-80
NT1 Illium
NT1 Inor-8
* NT1 Molybdenum Additions
NT1 Molybdenum Base Alloys
NT2 Alloy-Mo99
NT3 Alloy-TZM
NT3 Alloy-Zm-2A
NT2 Alloy-Mo99B
NT1 Ni-O-Nel
NT1 Nimonic 115
NT1 Rene 41
NT1 Rene 80
NT1 Rene 95
NT1 Rene-100
NT1 Sicromo 9M
NT1 Stainless Steel M-50
NT1 Stainless Steel-ZCND17-13
NT1 Steel-CD-4MCu
NT1 Steel-Cr9MoNbV
NT2 Steel-Z10CdNBV9
NT1 Steel-Cr10Mo2
NT1 Steel-Cr17Ni4Mo3
NT2 Stainless Steel-AM-350
NT1 Steel-Cr26Ni5Mo-L
NT2 Stainless Steel-44LN
NT1 Steel-In-787
NT1 Timken Alloys
NT1 Tribaloy 400
NT1 Udimet Alloys
NT2 Udimet 500
NT2 Udimet 700
NT1 Vitallium
NT1 Waspaloy

MOLYBDENUM ARSENIDES [01]
DA March 11, 1976
BT1 Arsenides
BT2 Arsenic Compounds
BT2 Pnictides
BT1 Molybdenum Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

MOLYBDENUM BASE ALLOYS [01]
DA December 1, 1974
SF *Alloy-TZC*
BT1 Molybdenum Alloys
BT2 Alloys
NT1 Alloy-Mo99
NT2 Alloy-TZM
NT2 Alloy-Zm-2A
NT1 Alloy-Mo99B

MOLYBDENUM BLUE [01]
DA December 1, 1974
BT1 Molybdenum Oxides
BT2 Molybdenum Compounds
BT3 Refractory Metal Compounds
BT3 Transition Element Compounds
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT1 Pigments

MOLYBDENUM BORIDES [01]
DA December 1, 1974
BT1 Borides
BT2 Boron Compounds
BT1 Molybdenum Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

MOLYBDENUM BROMIDES [01]
DA December 1, 1974
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Molybdenum Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

MOLYBDENUM CARBIDES [01]
DA December 1, 1974
BT1 Carbides
BT2 Carbon Compounds
BT1 Molybdenum Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

MOLYBDENUM CARBONATES [01]
DA February 23, 1979
BT1 Carbonates
BT2 Carbon Compounds
BT2 Oxygen Compounds
BT1 Molybdenum Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

MOLYBDENUM CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Molybdenum Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

MOLYBDENUM COMPLEXES [01]
DA December 1, 1974
BT1 Transition Element Complexes
BT2 Complexes

MOLYBDENUM COMPOUNDS [01]
DA December 1, 1974
BT1 Refractory Metal Compounds
BT1 Transition Element Compounds
NT1 Molybdates
NT1 Molybdenum Arsenides
NT1 Molybdenum Borides
NT1 Molybdenum Bromides
NT1 Molybdenum Carbides
NT1 Molybdenum Carbonates
NT1 Molybdenum Chlorides
NT1 Molybdenum Fluorides
NT1 Molybdenum Hydrides
NT1 Molybdenum Hydroxides
NT1 Molybdenum Iodides
NT1 Molybdenum Nitrates
NT1 Molybdenum Nitrides
NT1 Molybdenum Oxides
NT2 Molybdenum Blue
NT1 Molybdenum Phosphates
NT1 Molybdenum Phosphides
NT1 Molybdenum Selenides
NT1 Molybdenum Silicates
NT1 Molybdenum Silicides
NT1 Molybdenum Sulfates
NT1 Molybdenum Sulfides
NT1 Molybdenum Tellurides
NT1 Molybdic Acid
NT1 Molybdophosphates
NT1 Molybdophosphoric Acid

MOLYBDENUM FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Molybdenum Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

MOLYBDENUM HYDRIDES [01]
DA January 23, 1975
BT1 Hydrides
BT2 Hydrogen Compounds
BT1 Molybdenum Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

MOLYBDENUM HYDROXIDES [01]
DA August 19, 1975
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds
BT1 Molybdenum Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

MOLYBDENUM IODIDES [01]
DA December 1, 1974
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds
BT1 Molybdenum Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

MOLYBDENUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

MOLYBDENUM ISOTOPES [01]
DA December 1, 1974
BT1 Isotopes
NT1 Molybdenum 84
NT1 Molybdenum 85
NT1 Molybdenum 87
NT1 Molybdenum 88
NT1 Molybdenum 89
NT1 Molybdenum 90
NT1 Molybdenum 91
NT1 Molybdenum 92
NT1 Molybdenum 93
NT1 Molybdenum 94
NT1 Molybdenum 95
NT1 Molybdenum 96

NT1 Molybdenum 97
NT1 Molybdenum 98
NT1 Molybdenum 99
NT1 Molybdenum 100
NT1 Molybdenum 101
NT1 Molybdenum 102
NT1 Molybdenum 103
NT1 Molybdenum 104
NT1 Molybdenum 105
NT1 Molybdenum 106
NT1 Molybdenum 107
NT1 Molybdenum 108

MOLYBDENUM NITRATES [01]
DA December 16, 1976
BT1 Molybdenum Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds

MOLYBDENUM NITRIDES [01]
DA December 1, 1974
BT1 Molybdenum Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides

MOLYBDENUM ORES [01]
DA December 1, 1974
BT1 Ores

MOLYBDENUM OXIDES [01]
DA December 1, 1974
BT1 Molybdenum Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds
NT1 Molybdenum Blue
RT Iriginite
RT Moluranite
RT Molybdates
RT Molybdophosphoric Acid
RT Oxide Minerals
RT Umohoite
RT Wulfenite

MOLYBDENUM PHOSPHATES [01]
DA December 1, 1974
BT1 Molybdenum Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds

MOLYBDENUM PHOSPHIDES [01]
DA July 7, 1976
BT1 Molybdenum Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Phosphides
BT2 Phosphorus Compounds
BT2 Pnictides

MOLYBDENUM SELENIDES [01]
DA January 23, 1975
BT1 Molybdenum Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Selenides
BT2 Chalcogenides
BT2 Selenium Compounds

MOLYBDENUM SILICATES [01]
DA December 1, 1974
BT1 Molybdenum Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Silicates
BT2 Oxygen Compounds
BT2 Silicon Compounds

MOLYBDENUM SILICIDES [01]
DA January 23, 1975
BT1 Molybdenum Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Silicides
BT2 Silicon Compounds

MOLYBDENUM SULFATES [01]
DA December 1, 1974
BT1 Molybdenum Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds

MOLYBDENUM SULFIDES [01]
DA December 1, 1974
BT1 Molybdenum Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds

MOLYBDENUM TELLURIDES [01]
DA January 23, 1975
BT1 Molybdenum Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds

MOLYBDIC ACID
DA February 6, 1975
BT1 Inorganic Acids
BT2 Hydrogen Compounds
BT1 Molybdenum Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

MOLYBDOPHOSPHATES [01]
DA October 11, 1985
BT1 Molybdenum Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds

MOLYBDOPHOSPHORIC ACID [01]
DA May 23, 1980
UF *Phosphomolybdic Acid*
BT1 Inorganic Acids
BT2 Hydrogen Compounds
BT1 Molybdenum Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Oxygen Compounds
BT1 Phosphorus Compounds
RT Heteropolyanions
RT Molybdenum Oxides
RT Phosphoric Acid

MOMENT OF INERTIA [01]
DA December 1, 1974
UF *Inertia*
RT Backbending
RT Kinetic Energy
RT Mass
RT Mechanics
RT Rotation
RT VMI Model
RT Yrast States

MOMENTS METHOD [01]
DA December 1, 1974
BT1 Calculation Methods
RT Plasma Fluid Equations
RT Transport Theory

Momentum (Angular)
DA December 1, 1974
USE Angular Momentum

Momentum (Linear)
DA December 1, 1974
USE Linear Momentum

Momentum (Longitudinal)
DA December 1, 1974
USE Longitudinal Momentum

Momentum (Transverse)
DA December 1, 1974
USE Transverse Momentum

MOMENTUM COOLING [01]
DA May 7, 1982
UF *Stochastic Momentum Cooling*
BT1 Stochastic Cooling
BT2 Beam Cooling
DEF Gradual reduction of emittance of coasting charged-particle beams by feedback sensing and correcting statistical fluctuations of beam momentum.

MOMENTUM TRANSFER [01]
DA November 14, 1978
UF *Transfer (Momentum)*
NT1 Angular Momentum Transfer
NT1 Four Momentum Transfer
NT1 Linear Momentum Transfer

MOMOTOMBO GEOTHERMAL FIELD [01]
DA July 20, 1983
BT1 Geothermal Fields
RT Nicaragua

MONACO [01]
DA December 1, 1974
BT1 Developed Countries
BT1 Western Europe
BT2 Europe

MONAZITES [01]
DA December 1, 1974
BT1 Phosphate Minerals
BT2 Minerals
BT1 Rare Earth Compounds
BT1 Thorium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
RT Thorium Phosphates

MONEL [01]
DA December 1, 1974
BT1 Nickel Base Alloys
BT2 Nickel Alloys
BT3 Alloys
NT1 Alloy-Ni66Cu32
NT2 Monel 400

MONEL 400
DA December 20, 1978
BT1 Alloy-Ni66Cu32
BT2 Copper Alloys
BT3 Alloys
BT2 Iron Alloys
BT3 Alloys
BT2 Manganese Additions
BT3 Manganese Alloys
BT4 Alloys
BT2 Monel
BT3 Nickel Base Alloys
BT4 Nickel Alloys
BT5 Alloys

MONEX PROCESS [01]
DA December 1, 1974
BT1 Reprocessing
BT2 Separation Processes
RT Solvent Extraction

Mongolia
DA December 10, 1979
SEE Inner Mongolia
OR Mongolian Peoples Republic

MONGOLIAN PEOPLES REPUBLIC [01]
DA September 27, 1979
SF *Mongolia*
BT1 Asia
RT Centrally Planned Economies

Mongolism
DA December 1, 1974
USE Downs Syndrome

Mongrels
DA June 15, 1981
USE Dogs

Monilia
DA December 1, 1974
USE Candida

MONIQUE EVENT [01]
DA December 1, 1974
BT1 Contained Explosions
BT2 Explosions
BT1 Nuclear Explosions
BT2 Explosions
RT Granites

Monitor Codes
DA August 25, 1983
USE Executive Codes

MONITORED RETRIEVABLE STORAGE
DA February 10, 1984
BT1 Radioactive Waste Storage
BT2 Radioactive Waste Management
BT3 Waste Management
BT4 Management
BT2 Waste Storage
BT3 Storage
BT3 Waste Management
BT4 Management
BT1 Spent Fuel Storage
BT2 Storage
RT High-Level Radioactive Wastes
RT Spent Fuels
DEF The long-term isolation of spent fuel and HLW in facilities that permit continuous monitoring, ready retrieval and periodic maintenance as necessary to assure containment of radioactive materials.

MONITORING [01]
(Use of a more specific term is recommended.)
DA December 1, 1974
UF *Monitoring Network*
NT1 Acoustic Monitoring
NT1 Aerial Monitoring
NT1 Air Pollution Monitoring
NT2 Aerosol Monitoring
NT1 Beam Monitoring
NT1 Loose Parts Monitoring
NT1 Radiation Monitoring
NT2 Personnel Monitoring
NT1 Temperature Monitoring
RT Control
RT Environmental Materials
RT Reactor Monitoring Systems
RT Water Pollution Monitors

Monitoring (Beam)
DA December 1, 1974
USE Beam Monitoring

Monitoring (Radiation)
DA December 1, 1974
USE Radiation Monitoring

Monitoring Network
DA December 1, 1974
USE Monitoring

MONITORS [01]
DA November 8, 1980
BT1 Measuring Instruments
NT1 Air Pollution Monitors
NT1 Beam Monitors
NT2 Beam Scanners
NT2 Faraday Cups
NT2 Magnetoinduction Sensors
NT1 Failed Element Monitors
* **NT1** Radiation Monitors
NT1 Water Pollution Monitors

Monitors (Air Pollution)
DA July 7, 1976
USE Air Pollution Monitors

Monitors (Beam)
DA November 9, 1983
USE Beam Monitors

Monitors (Failed Elements)
DA December 1, 1974
USE Failed Element Monitors

Monitors (Radiation)
DA November 9, 1983
USE Radiation Monitors

Monitors (Reactor)
DA December 1, 1974
USE Reactor Control Systems

MONJU REACTOR [01]
(Tsuruga, Fukui, Japan)
DA December 1, 1974
UF *JPFR Reactor*
UF *Prototype Fast Reactor Japan*
BT1 FBR Type Reactors
BT2 Breeder Reactors
BT3 Reactors
BT2 Fast Reactors
BT3 Epithermal Reactors
BT4 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Sodium Cooled Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors

MONKEYS [01]
DA December 1, 1974
BT1 Primates
BT2 Mammals
BT3 Vertebrates
BT4 Animals
NT1 Baboons
NT1 Macacus
RT Apes

Monobutyl Phosphate
DA October 5, 1982
USE MBP

MONOCARBOXYLIC ACIDS [01]
DA December 1, 1974
BT1 Carboxylic Acids
BT2 Organic Acids
BT3 Organic Compounds
NT1 Abscisic Acid
NT1 Acetic Acid
NT1 Acrylic Acid
NT1 Arachidonic Acid
NT1 Benzoic Acid
NT1 Butyric Acid
NT1 Chlorambucil
NT1 Cinnamic Acid
NT1 Crotonic Acid
NT1 Decanoic Acid
NT1 Dodecanoic Acid
NT1 Eicosanoic Acid
NT1 Formic Acid
NT1 Glycolic Acid
NT1 Heptanoic Acid
NT1 Hexadecanoic Acid
NT1 Hexanoic Acid
NT1 Ioglycamic Acid
NT1 Isobutyric Acid
NT1 Isovaleric Acid
NT1 Linoleic Acid
NT1 Linolenic Acid
NT1 Methacrylic Acid
NT1 Nonanoic Acid
NT1 Octadecanoic Acid
NT1 Octanoic Acid
NT1 Oleic Acid
NT1 Pethidine
NT1 Pivalic Acid
NT1 Propionic Acid
NT1 Sorbic Acid
NT1 Tetradecanoic Acid
NT1 Uronic Acids
NT1 Valeric Acid

Monochloroethylene
DA May 8, 1984
USE Vinyl Chloride

MONOCHROMATIC RADIATION [01]
DA April 28, 1978
BT1 Electromagnetic Radiation
BT2 Radiations
RT Laser Radiation
RT Visible Radiation

MONOCHROMATORS [01]
DA December 1, 1974
RT Beam Analyzers
RT Beam Optics
RT Spectrometers

MONOCLINIC LATTICES [01]
DA December 1, 1974
BT1 Crystal Lattices
BT2 Crystal Structure

MONOCLONAL ANTIBODIES [01]
DA January 21, 1982
BT1 Antibodies
RT Clone Cells
RT Hybridomas
RT Radioimmunoscintigraphy
RT Radioimmunotherapy

Monocotyledons
DA December 21, 1988
USE Liliopsida

MONOCRYSTALS [01]
DA December 1, 1974
UF *Single Crystals*
BT1 Crystals
NT1 Whiskers
RT Dendritic Web Growth Method
RT Heat Exchanger Method
RT Verneuil Method

MONOCYTES [01]
DA December 1, 1974
BT1 Leukocytes
BT2 Blood Cells
BT3 Blood
BT4 Body Fluids
BT5 Biological Materials
BT6 Materials

Monododecylphosphoric Acid
DA December 1, 1974
USE MDPA

MONOMERS [01]
DA December 1, 1974
NT1 Vinyl Monomers
RT Dimers
RT Polymerization
RT Polymers

MONONGAHELA RIVER BASIN [01]
DA July 23, 1977
BT1 Watersheds
RT Pennsylvania
RT West Virginia

MONOPOLES [01]
DA December 1, 1974
NT1 Magnetic Monopoles
RT Multipoles

MONOPOLIES [01]
DA March 9, 1978
RT Antitrust Laws
RT Cartels
RT Cooperatives
RT Market
RT Trade
DEF Exclusive control of the supply of goods or services by groups or individuals.

MONORAILS
DA November 8, 1980
BT1 Railways
RT Rail Transport

MONOSACCHARIDES [01]
DA December 1, 1974
BT1 Saccharides
BT2 Carbohydrates
BT3 Organic Compounds
NT1 Erythritol

NT1 Hexoses
NT2 Cycasin
NT2 Fructose
NT2 Galactose
NT2 Glucose
NT2 Hexosamines
NT3 Glucosamine
NT2 Mannose
NT2 Sorbose
NT1 Inositols
NT2 Inositol
NT1 Pentoses
NT2 Arabinose
NT2 Deoxyribose
NT2 Ribose
NT2 Ribulose
NT2 Xylose
NT1 Sedoheptulose
NT1 Sialic Acid
NT1 Sorbitol
RT Gluconic Acid

MONOTECTICS [01]
DA December 1, 1974
RT Eutectics
RT Phase Diagrams

MONOTECTOIDS [01]
DA December 1, 1974
RT Eutectoids
RT Phase Diagrams

Monsanto System
DA January 23, 1976
USE Landgard Pyrolysis System

MONSOONS [01]
DA July 8, 1986
BT1 Storms
BT2 Disasters
RT Hurricanes
RT Rain

MONTAGUE-1 REACTOR [01]
DA May 15, 1975
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

MONTAGUE-2 REACTOR [01]
DA May 15, 1975
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

MONTALTO DI CASTRO-1 REACTOR [01]
(Latium, Italy.)
DA April 9, 1985
UF *Alto Lazio-1 Reactor*
UF *ENEL-6 Reactor*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

MONTALTO DI CASTRO-2 REACTOR [01]
(Latium, Italy.)
DA April 9, 1985
UF *Alto Lazio-2 Reactor*
UF *ENEL-8 Reactor*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

Montan Waxes
DA June 24, 1977
USE Waxes

MONTANA [01]
DA December 1, 1974
BT1 USA
BT2 Developed Countries
BT2 North America
NT1 Powder River Basin
RT Missouri River
RT Western US Overthrust Belt
RT Williston Basin
RT Yellowstone National Park

MONTE AMIATA GEOTHERMAL FIELD [01]
DA February 20, 1975
BT1 Geothermal Fields
RT Italy

MONTE CARLO METHOD [01]
DA December 1, 1974
BT1 Calculation Methods
RT Fault Tree Analysis
RT Neutron Transport Theory
RT Probability
RT Randomness
RT Stochastic Processes
RT Transport Theory

Montecuccolino RB-1 Reactor
DA December 1, 1974
USE RB-1 Reactor

Montecuccolino RB-2 Reactor
DA December 1, 1974
USE RB-2 Reactor

Montecuccolino RB-3 Reactor
DA December 1, 1974
USE RB-3 Reactor

MONTHLY VARIATIONS [01]
DA April 6, 1978
BT1 Variations

MONTICELLO REACTOR [01]
(Monticello, Minnesota, USA)
DA December 1, 1974
UF *Northern States Monticello Rea*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

MONTMORILLONITE [01]
DA December 1, 1974
UF *Hectorite*
BT1 Clays
BT1 Inorganic Ion Exchangers
BT2 Ion Exchange Materials
BT3 Materials
RT Bentonite
DEF Clay minerals which have a theoretical composition of essentially $Al_4Si_8O_{20}(OH)_4.nH_2O$.

MONTROSEITE [01]
DA December 1, 1974
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
RT Sandstones

MOON [01]
DA December 1, 1974
BT1 Satellites
RT Apollo Project
RT Lunar Atmosphere
RT Lunar Materials

MOORINGS
DA August 4, 1976
RT Deep Water Oil Terminals
RT Harbors

MORAINES [01]
DA December 1, 1974
BT1 Geologic Deposits

Morbidity
DA July 6, 1981
USE Disease Incidence

MORDENITE [01]
DA April 8, 1975
BT1 Zeolites
BT2 Inorganic Ion Exchangers
BT3 Ion Exchange Materials
BT4 Materials
BT2 Silicate Minerals
BT3 Minerals
DEF A zeolite mineral: $Ca,Na_2,K_2)_4Al_8Si_{40}O_{96}.28H_2O$.

MORGANTOWN ENERGY TECHNOLOGY CENTER [01]
DA September 5, 1980
BT1 US DOE
BT2 US Organizations
BT3 National Organizations

MORIN [01]
DA December 1, 1974
BT1 Dyes
BT1 Flavones
BT2 Flavonoids
BT3 Organic Oxygen Compounds
BT4 Organic Compounds
BT1 Polyphenols
BT2 Phenols
BT3 Aromatics
BT4 Organic Compounds
BT3 Hydroxy Compounds
BT4 Organic Compounds
BT1 Reagents

MOROCCO [01]
DA December 1, 1974
BT1 Africa
BT1 Arab Countries
BT1 Developing Countries

MORPHINE [01]
DA December 1, 1974
BT1 Alkaloids
BT2 Organic Compounds
BT1 Opium
BT2 Analgesics
BT3 Central Nervous System Depressants
BT4 Drugs
BT2 Narcotics
BT3 Central Nervous System Depressants
BT4 Drugs
NT1 Codeine
NT1 Heroin
NT1 Thebaine

MORPHOLINES [01]
DA December 1, 1974
BT1 Amines
BT2 Organic Compounds
BT1 Ethers
BT2 Organic Oxygen Compounds
BT3 Organic Compounds
BT1 Heterocyclic Compounds
BT2 Organic Compounds

BT1 Organic Nitrogen Compounds
BT2 Organic Compounds

MORPHOLOGICAL CHANGES [01]
DA December 1, 1974
NT1 Ultrastructural Changes
RT Biological Effects
RT Microscopy
RT Morphology
RT Plant Breeding
RT Tissues

MORPHOLOGY [01]
DA January 23, 1978
RT Configuration
RT Crystal Structure
RT Morphological Changes
RT Shape
RT Structural Models
DEF The study of structure or form.

Morris Plant
DA September 13, 1978
USE Midwest Fuel Recovery Plant

MORRISON RULE [01]
DA December 1, 1974
RT Exchange Interactions
RT Parity
RT Particle Interactions
RT Pomeranchuk Particles
RT Spin
DEF An empirical rule for pomeron exchange

MORSE POTENTIAL [01]
DA December 1, 1974
BT1 Potentials
RT Interatomic Forces

MORSLEBEN SALT MINE [01]
DA November 25, 1991
BT1 Radioactive Waste Facilities
BT2 Nuclear Facilities
RT High-Level Radioactive Wastes
RT Radioactive Waste Disposal
RT Salt Caverns
RT Salt Deposits
RT Underground Disposal

MORTALITY [01]
DA December 1, 1974
RT Death
RT Lethal Irradiation
RT Life Span
RT Supralethal Irradiation
RT Survival Curves
RT Time Dependence

MORTARS [01]
DA December 1, 1974
RT Building Materials
RT Cements
RT Concretes
RT Grouting

MOS SOLAR CELLS [01]
DA July 18, 1981
UF *Metal Oxide-Semiconductor Solar Cells*
BT1 Solar Cells
BT2 Photovoltaic Cells
BT3 Photoelectric Cells
BT4 Direct Energy Converters
BT2 Solar Equipment
BT3 Equipment

MOS TRANSISTORS [01]
(Metal Oxide Silicon transistors.)
DA December 1, 1974
BT1 Transistors
BT2 Semiconductor Devices
NT1 MOSFET

MOSAICISM [01]
DA December 1, 1974
NT1 Chimeras
NT2 Radiation Chimeras
NT1 Parabiosis
RT Genetic Effects
RT Mutations

Moscow Research Reactor
DA March 28, 1975
USE MR Reactor

MOSFET [01]
(Metal Oxide Silicon Field Effect Transistors.)
DA December 1, 1974
BT1 Field Effect Transistors
BT2 Transistors
BT3 Semiconductor Devices
BT1 MOS Transistors
BT2 Transistors
BT3 Semiconductor Devices

MOSHINSKY TRANSFORMATION
DA January 23, 1975
BT1 Orthogonal Transformations
BT2 Transformations
BT1 Quantum Operators
BT2 Mathematical Operators
DEF Coefficients for transforming wave functions between laboratory and center-of-mass systems on the basis of the harmonic oscillator.

MOSQUITOES [01]
DA December 1, 1974
UF *Aedes*
UF *Anopheles*
BT1 Diptera
BT2 Insects
BT3 Arthropods
BT4 Invertebrates
BT5 Animals
RT Malaria

MOSSES [01]
DA February 6, 1975
BT1 Bryophyta
BT2 Plants

Motels
DA December 17, 1979
USE Hotels

MOTHS [01]
DA December 1, 1974
BT1 Lepidoptera
BT2 Insects
BT3 Arthropods
BT4 Invertebrates
BT5 Animals
NT1 Bollworm
NT1 Codling Moth
NT1 Lymantria Dispar
NT1 Rice Stem Borers
NT1 Silkworm

MOTION [01]
DA December 1, 1974
NT1 Ground Motion
NT1 Proper Motion
NT1 Rotation
RT Angular Momentum
RT Brownian Movement
RT Diffusion
RT Guiding-Center Approximation
RT Kinetic Energy
RT Kinetics
RT Linear Momentum
RT Trajectories
RT Velocity

MOTION DETECTION SYSTEMS [01]
DA July 24, 1979
BT1 Alarm Systems
RT Adversaries
RT Intrusion Detection Systems
RT Nuclear Materials Diversion
RT Physical Protection Devices
RT Safeguards
RT Security

Motor Inns
DA December 17, 1979
USE Hotels

MOTOR VEHICLE ACCIDENTS [01]
DA December 1, 1974
BT1 Accidents
RT Road Transport

MOTOR VEHICLE OPERATORS [01]
DA March 4, 1980
BT1 Personnel
BT2 Man
BT3 Primates
BT4 Mammals
BT5 Vertebrates
BT6 Animals
RT Automobiles
RT Occupants
RT Operation
RT Vehicles

MOTORBOATS
DA June 7, 1982
RT Recreational Vehicles
RT Ships

MOTORCYCLES
DA June 21, 1977
BT1 Vehicles

MOTORS [01]
DA December 1, 1974
BT1 Engines
NT1 Electric Motors
NT2 Superconducting Motors
NT1 Pneumatic Motors

MOTT SCATTERING [01]
DA December 1, 1974
BT1 Elastic Scattering
BT2 Scattering

Mottelson-Nilsson Model
DA December 1, 1974
USE Nilsson-Mottelson Model

Moulting
DA August 4, 1981
USE Molting

MOUND LABORATORY [01]
DA December 1, 1974
BT1 US AEC
BT2 US Organizations
BT3 National Organizations
BT1 US DOE
BT2 US Organizations
BT3 National Organizations
BT1 US ERDA
BT2 US Organizations
BT3 National Organizations
RT Ohio

MOUNTAINS [01]
DA December 1, 1974
NT1 Alps
NT1 Andes
NT1 Appalachian Mountains
NT2 Adirondack Mountains
NT1 Appennines
NT1 Carrizo Mountains
NT1 Cascade Mountains
NT2 Mt Baker
NT2 Mt Hood
NT2 Mt St Helens
NT1 Colorado Plateau
NT1 Himalayas
NT1 Jemez Mountains
NT1 Rocky Mountains
NT1 San Bernardino Mountains
NT1 Sierra Nevada Colorado
NT1 Urals
NT1 Witwatersrand
NT1 Yucca Mountain
RT Complex Terrain
RT Ice Caps
RT Orogenesis
RT Valleys

Mouth
DA December 1, 1974
USE Oral Cavity

MOVING-BOUNDARY CONDITIONS [01]
DA December 1, 1974
BT1 Boundary Conditions

MOVING-BURDEN PROCESS
DA January 24, 1975
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes
DEF A three-vessel fluidized bed process for the gasification of coal.

MOVING COIL MAGNETOMETERS [01]
DA December 1, 1974
BT1 Magnetometers
BT2 Measuring Instruments

MOZAMBIQUE [01]
DA December 1, 1974
BT1 Africa
BT1 Developing Countries

MP35N
DA January 30, 1979
USE Alloy-MP35N

MPA
DA December 1, 1974
USE Maximum Permissible Activity

MPBB
DA December 1, 1974
USE Maximum Permissible Body Burden

MPC
DA December 1, 1974
USE Maximum Permissible Concentration

MPD
DA December 1, 1974
USE Maximum Permissible Dose

MPE
DA December 1, 1974
USE Maximum Permissible Exposure

MPG [01]
DA February 9, 1982
UF *2-Mercaptopropionylglycine*
BT1 Amino Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT1 Radioprotective Substances
BT2 Drugs
BT1 Thiols
BT2 Organic Sulfur Compounds
BT3 Organic Compounds

MPI
DA December 1, 1974
USE Maximum Permissible Intake

MPL
DA December 1, 1974
USE Maximum Permissible Level

MR-2 Moscow Reactor
DA December 1, 1974
USE RPT Reactor

MR REACTOR
DA January 24, 1975
UF *Moscow Research Reactor*
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors

MRG Process
DA January 23, 1976
USE JGC Methane-Rich Gas Process

MRR REACTOR [01]
(Association of Universities Inc., Upton, New York, USA/)
DA December 1, 1974
UF *Brookhaven Medical Research Reactor*
UF *US AEC MRR*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors

MS SOLAR CELLS [01]
DA July 18, 1981
UF *Metal-Semiconductor Solar Cells*
BT1 Solar Cells
BT2 Photovoltaic Cells
BT3 Photoelectric Cells
BT4 Direct Energy Converters
BT2 Solar Equipment
BT3 Equipment

MSMR Reactor
DA December 1, 1974
USE UMRR Reactor

MSRE REACTOR [01]
DA December 1, 1974
UF *Molten Salt Reactor Experiment*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Experimental Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Graphite Moderated Reactors
BT2 Reactors
BT1 Molten Salt Cooled Reactors
BT2 Molten Salt Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

MSSTF
(Midtemperature Solar System Test Facility at Sandia Laboratories which includes the Subsystem Test Facility and the Collector Module Test Facility.)
DA November 8, 1980
UF *Collector Module Test Facility*
UF *Midtemperature Solar System Test Facility*
UF *Subsystem Test Facility*
BT1 Test Facilities
RT Distributed Collector Power Plants
RT STTFUA

MSU CYCLOTRONS [01]
(Includes the 56 MeV proton cyclotron, heavy ion K500 and K800 superconducting cyclotrons.)
DA December 1, 1974
UF *Michigan State University Cyclotrons*
BT1 Isochronous Cyclotrons
BT2 Cyclotrons
BT3 Cyclic Accelerators
BT4 Accelerators

MT-1 TOKAMAK [01]
(Hungarian Academy of Sciences, Budapest.)
DA December 8, 1989
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

MT BAKER [01]
DA August 24, 1976
BT1 Cascade Mountains
BT2 Mountains
RT Washington

MT HOOD [01]
DA September 10, 1982
BT1 Cascade Mountains
BT2 Mountains
BT1 Oregon
BT2 USA
BT3 Developed Countries
BT3 North America

MT ST HELENS [01]
DA August 4, 1981
BT1 Cascade Mountains
BT2 Mountains
RT Volcanoes
RT Washington

MTHF
DA February 6, 1975
UF *Methyltetrahydrofuran*
BT1 Tetrahydrofuran
BT2 Furans
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Oxygen Compounds
BT4 Organic Compounds

MTR REACTOR [01]
DA December 1, 1974
UF *Idaho Materials Testing Reactor*
UF *US AEC Materials Testing Reactor-Idaho*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Materials Testing Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors

MTSE Devices
(Prior to June 1991 this was a valid descriptor.)
DA April 15, 1975
USE Magnetic Mirrors

MTX TOKAMAK [01]
(Microwave Tokamak Experiment, Lawrence Livermore Laboratory, USA.)
DA August 30, 1993
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

Mu SR
DA November 20, 1986
USE Muon Spin Relaxation

MUCOPOLYSACCHARIDES [01]
DA December 1, 1974
BT1 Amines
BT2 Organic Compounds
BT1 Polysaccharides
BT2 Saccharides
BT3 Carbohydrates
BT4 Organic Compounds
NT1 Chitin
NT1 Chondroitin
NT1 Heparin
NT1 Hyaluronic Acid
RT Glycoproteins

MUCOPROTEINS [01]
DA December 1, 1974
BT1 Polysaccharides
BT2 Saccharides
BT3 Carbohydrates
BT4 Organic Compounds
BT1 Proteins
BT2 Organic Compounds
NT1 Haptoglobins
NT1 Intrinsic Factor
NT1 Phytohemagglutinin
RT Chondroitin
RT Glycoproteins
RT Lysozyme

Mucosa
DA December 1, 1974
USE Mucous Membranes

MUCOUS MEMBRANES [01]
DA December 1, 1974
UF *Mucosa*
BT1 Membranes
NT1 Conjunctiva
RT Epithelium

MUEHLEBERG REACTOR [01]
(Muehleberg, Bern, Switzerland)
DA December 1, 1974
UF *AKM Muehleberg Reactor*
UF *AKM Reactor*
UF *Atomkraftwerk Muehleberg*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

MUELHEIM-KAERLICH REACTOR [01]
(Muehlheimkaerlich, Rheinlandpfalz, Federal Republic of Germany)
DA September 11, 1975
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

Muenster Event
DA June 21, 1977
USE Anvil Project

MUF
DA December 1, 1974
USE Material Unaccounted For

MUFFIN-TIN POTENTIAL [01]
DA December 1, 1974
BT1 Potentials
RT Electronic Structure
RT Wave Functions

MULBERRY ALLOY
DA December 1, 1974
BT1 Alloy-U90Nb7Zr3
BT2 Niobium Alloys
BT3 Alloys
BT2 Uranium Base Alloys
BT3 Uranium Alloys
BT4 Actinide Alloys
BT5 Alloys
BT2 Zirconium Alloys
BT3 Alloys
BT1 Niobium Alloys
BT2 Alloys
BT1 Uranium Base Alloys
BT2 Uranium Alloys
BT3 Actinide Alloys
BT4 Alloys
BT1 Zirconium Alloys
BT2 Alloys

Mule Deer
DA December 1, 1974
USE Deer

MULLERS
DA September 14, 1976
BT1 Equipment
RT Grinding
RT Mixers
RT Mixing
DEF Equipment used for agitating, grinding, and mixing.

MULLITE [01]
DA December 1, 1974
BT1 Inorganic Ion Exchangers
BT2 Ion Exchange Materials
BT3 Materials
BT1 Oxide Minerals
BT2 Minerals

MULTI-CENTER SHELL MODEL [01]
DA January 7, 1982
BT1 Shell Models
BT2 Nuclear Models
BT3 Mathematical Models

MULTI-CHANNEL ANALYZERS [01]
DA December 1, 1974
BT1 Pulse Analyzers
BT2 Electronic Equipment
BT3 Equipment

MULTI-ELEMENT ANALYSIS [01]
(For analysis of 2 or more elements or isotopes of different elements.)
DA December 1, 1974
BT1 Chemical Analysis

MULTI-ELEMENT SEPARATION [01]
(For mutual separation of 2 or more elements or isotopes of different elements.)
DA December 1, 1974
BT1 Separation Processes

MULTI-NUCLEON TRANSFER REACTIONS [01]
(More than one nucleon transfered.)
DA December 1, 1974
BT1 Transfer Reactions
BT2 Direct Reactions
BT3 Nuclear Reactions
NT1 Four-Nucleon Transfer Reactions
NT2 Alpha-Transfer Reactions
NT1 Many-Nucleon Transfer Reactions
NT1 Three-Nucleon Transfer Reactions
NT1 Two-Nucleon Transfer Reactions

MULTI-PARAMETER ANALYSIS [01]
DA December 1, 1974
RT Data Processing
RT Parametric Analysis

MULTI-PHOTON PROCESSES [01]
DA November 10, 1981
RT Energy-Level Transitions
RT Lasers
RT Photon Emission

MULTICHARGED IONS [01]
(Ions with charge 3 and above. Coordinate the above descriptor with a descriptor for the specific ion.)
DA December 1, 1974
BT1 Ions
BT2 Charged Particles
RT Heavy Ions
RT Light Ions

MULTIGROUP THEORY [01]
DA December 1, 1974
BT1 Neutron Transport Theory
BT2 Transport Theory
RT Group Constants

Multilamellar Lipid Vesicles
DA July 18, 1979
USE Liposomes

MULTILATERAL AGREEMENTS [01]
DA December 1, 1974
BT1 International Agreements
BT2 Agreements

MULTILEVEL ANALYSIS [01]
DA December 1, 1974
RT Breit-Wigner Formula
RT Cross Sections
RT R Matrix
RT Resonance

Multinational Companies
DA April 5, 1978
USE Multinational Enterprises

MULTINATIONAL ENTERPRISES
DA April 5, 1978
UF *Multinational Companies*
RT International Cooperation
RT Multinational Ownership

MULTINATIONAL OWNERSHIP
DA December 22, 1977
BT1 Ownership
RT International Cooperation
RT Multinational Enterprises

MULTIPARTICLE SPECTROMETERS [01]
DA December 1, 1974
BT1 Spectrometers
BT2 Measuring Instruments

MULTIPERIPHERAL MODEL [01]
DA December 1, 1974
BT1 Peripheral Models
BT2 Particle Models
BT3 Mathematical Models
NT1 Cluster Emission Model
NT2 Space-Time Model
RT ABFST Equation

MULTIPHASE FLOW [01]
DA March 11, 1976
BT1 Fluid Flow
RT Gas Flow
RT Liquid Flow
RT Petroleum
DEF Simultaneous flow of two or more fluid phases in the same flow channel, whether pipeline, well tubing or reservoir rock.

MULTIPLE COLLISION METHOD [01]
DA December 1, 1974
BT1 Calculation Methods
RT Multiple Scattering

MULTIPLE-HEARTH FURNACES
DA December 14, 1981
BT1 Furnaces

MULTIPLE PRODUCTION [01]
DA December 1, 1974
BT1 Particle Production
NT1 Pionization
RT Centauro-Type Events
RT Charge Distribution
RT Cluster Emission Model
RT Coherent Tube Model
RT Correlated-Particle Models
RT Limiting Fragmentation
RT Multiplicity
RT Particle Decay
RT Particle Interactions

MULTIPLE SCATTERING [01]
DA December 1, 1974
BT1 Scattering
RT Faddeev Equations
RT Glauber Theory
RT Many-Body Problem
RT Moliere Theory
RT Multiple Collision Method

MULTIPLETS [01]
DA December 1, 1974
NT1 Particle Multiplets
NT2 Baryon Decuplets
NT2 Baryon Octets
NT2 Meson Nonets
NT2 Meson Octets
NT1 Supermultiplets
NT1 Triplets

MULTIPLEXERS [01]
DA December 1, 1974
BT1 Electronic Equipment
BT2 Equipment
RT Data Transmission
RT Remote Multiplexing Systems

MULTIPLICATION FACTORS [01]
DA December 1, 1974
RT Criticality
RT Disadvantage Factor
RT Fast Fission Factor

RT Fission Neutrons
RT Resonance Escape Probability
RT Thermal Fission Factor
RT Thermal Utilization

MULTIPLICITY [01]
DA December 1, 1974
RT Eigenvalues
RT Multiple Production
RT Quantum Numbers

Multiplier Tubes
DA December 1, 1974
USE Electron Multipliers

MULTIPOLAR CONFIGURATIONS [01]
DA December 1, 1974
BT1 Closed Configurations
BT2 Magnetic Field Configurations
NT1 Hexapolar Configurations
NT1 Octupolar Configurations
NT1 Quadrupolar Configurations
RT FM Devices
RT Internal Ring Devices
RT LM Devices

MULTIPOLARITY [01]
DA December 1, 1974
RT Mixing Ratio
RT Multipole Radiation
RT Multipoles

MULTIPOLE RADIATION [01]
DA December 1, 1974
UF *Octupole Radiation*
BT1 Electromagnetic Radiation
BT2 Radiations
RT Multipolarity
RT Multipoles

MULTIPOLE TRANSITIONS [01]
DA April 28, 1978
BT1 Energy-Level Transitions
NT1 E0-Transitions
NT1 E1-Transitions
NT1 E2-Transitions
NT1 E3-Transitions
NT1 E4-Transitions
NT1 M1-Transitions
NT1 M2-Transitions
NT1 M3-Transitions
NT1 M4-Transitions

MULTIPOLES [01]
DA December 1, 1974
NT1 Dipoles
NT2 Electric Dipoles
NT2 Magnetic Dipoles
NT1 Hexadecapoles
NT1 Hexapoles
NT1 Octupoles
NT1 Quadrupoles
RT Mixing Ratio
RT Monopoles
RT Multipolarity
RT Multipole Radiation
RT Sternheimer Formula

Multiprocessing
DA June 12, 1986
USE Parallel Processing

Multiprocessors
DA August 8, 1985
USE Array Processors

MULTISPECTRAL PHOTOGRAPHY [01]
DA April 14, 1980
UF *Thematic Mapping*
BT1 Photography
RT Remote Sensing
RT Spectroscopy

MULTISPECTRAL SCANNERS
DA April 14, 1980
BT1 Measuring Instruments
RT Spectra
RT Spectroscopy
DEF Instruments for the simultaneous scanning of more than one, usually several, spectral bands of various wavelength.

Multisphere Neutron Detectors
DA December 1, 1974
USE Bonner Sphere Detectors

MULTIVARIATE ANALYSIS [01]
DA April 17, 1981
BT1 Statistics
BT2 Mathematics
RT Correlations

MULTIVIBRATORS [01]
DA December 1, 1974
UF *Schmitt Trigger Circuits*
BT1 Pulse Circuits
BT2 Electronic Circuits
NT1 Flip-Flop Circuits
RT Pulse Generators

Multiwire Drift Chambers
DA June 30, 1975
USE Drift Chambers

MULTIWIRE IONIZATION CHAMBERS [01]
DA December 1, 1974
BT1 Ionization Chambers
BT2 Radiation Detectors
BT3 Measuring Instruments

MULTIWIRE PROPORTIONAL CHAMBERS [01]
DA December 1, 1974
UF *Charpak Chambers*
UF *MWPC*
BT1 Proportional Counters
BT2 Radiation Detectors
BT3 Measuring Instruments
NT1 Drift Chambers
RT Ionization Chambers
RT Projection Spark Chambers
RT Wire Spark Chambers

Mungbean Plants
DA January 20, 1993
USE Vigna

MUNGBEANS [01]
DA September 22, 1981
BT1 Beans
BT2 Vegetables
BT3 Food
BT3 Plants
BT1 Seeds
RT Phaseolus
RT Vigna

MUNICH COMPACT CYCLOTRON [01]
(Prior to March 1991, this concept was indexed to MUNICH CYCLOTRON.)
DA March 19, 1991
UF *Munich Cyclotron*
BT1 Isochronous Cyclotrons
BT2 Cyclotrons
BT3 Cyclic Accelerators
BT4 Accelerators

Munich Cyclotron
(Prior to March 1991 this was a valid descriptor.)
DA March 24, 1983
USE Munich Compact Cyclotron

Munich Research Reactor
DA December 1, 1974
USE FRM Reactor

Munich Superconducting Sector Cyclotron
DA August 20, 1984
USE Munich SUSE Cyclotron

MUNICH SUSE CYCLOTRON [01]
DA August 20, 1984
UF *Munich Superconducting Sector Cyclotron*
UF *SUSE Cyclotron (Munich)*
BT1 Heavy Ion Accelerators
BT2 Accelerators
BT1 Isochronous Cyclotrons
BT2 Cyclotrons
BT3 Cyclic Accelerators
BT4 Accelerators

Municipal Buildings
DA January 9, 1981
USE Public Buildings

MUNICIPAL WASTES [01]
DA November 11, 1975
UF *Domestic Wastes*
BT1 Wastes
RT Black Clawson System
RT Chemical Wastes
RT Pollutants
RT Refuse Derived Fuels
RT Scrap
DEF Wastes generated in households, commercial and business establishments, and institutions (schools, hospitals, etc.). It excludes industrial and animal wastes, abandoned automobiles, ashes, street sweepings, construction and demolition debris, and sewage sludges.

Munitions
DA August 19, 1975
USE Ordnance

MUNTZ METAL [01]
DA December 1, 1974
BT1 Copper Base Alloys
BT2 Copper Alloys
BT3 Alloys
BT1 Zinc Alloys
BT2 Alloys
RT Brass

MUON ANTINEUTRINOS [01]
DA December 1, 1974
BT1 Antineutrinos
BT2 Antileptons
BT3 Antiparticles
BT4 Antimatter
BT5 Matter
BT4 Elementary Particles
BT3 Leptons
BT4 Elementary Particles
BT4 Fermions
BT2 Neutrinos
BT3 Leptons
BT4 Elementary Particles
BT4 Fermions
BT3 Massless Particles
BT4 Elementary Particles
BT1 Muon Neutrinos
BT2 Neutrinos
BT3 Leptons
BT4 Elementary Particles
BT4 Fermions
BT3 Massless Particles
BT4 Elementary Particles

MUON-ATOM COLLISIONS [01]
DA March 4, 1986
BT1 Atom Collisions
BT2 Collisions

MUON BEAMS [01]
DA December 1, 1974
BT1 Lepton Beams
BT2 Particle Beams
BT3 Beams
RT Muon Probes

MUON-CATALYZED FUSION [01]
DA May 7, 1985
BT1 Thermonuclear Reactions
BT2 Nuclear Reactions
BT2 Nucleosynthesis
BT3 Synthesis
RT Muonic Molecules
RT Muons Minus

MUON DETECTION [01]
DA December 1, 1974
BT1 Charged Particle Detection
BT2 Radiation Detection
BT3 Detection
RT Cosmic Ray Detection
RT DUMAND Project

MUON-DEUTERON INTERACTIONS
DA February 6, 1975
BT1 Lepton-Baryon Interactions
BT2 Lepton-Hadron Interactions
BT3 Particle Interactions
BT4 Interactions
RT Deuterons
RT Muons

MUON-MESON INTERACTIONS [01]
DA December 1, 1974
BT1 Lepton-Meson Interactions
BT2 Lepton-Hadron Interactions
BT3 Particle Interactions
BT4 Interactions
NT1 Muon-Pion Interactions

MUON-MUON INTERACTIONS [01]
DA December 1, 1974
BT1 Lepton-Lepton Interactions
BT2 Particle Interactions
BT3 Interactions

MUON NEUTRINOS [01]
DA December 1, 1974
UF *Neutrettos*
BT1 Neutrinos
BT2 Leptons
BT3 Elementary Particles
BT3 Fermions
BT2 Massless Particles
BT3 Elementary Particles
NT1 Muon Antineutrinos

MUON-NEUTRON INTERACTIONS [01]
DA December 1, 1974
BT1 Muon-Nucleon Interactions
BT2 Lepton-Nucleon Interactions
BT3 Lepton-Baryon Interactions
BT4 Lepton-Hadron Interactions
BT5 Particle Interactions
BT6 Interactions

MUON-NUCLEON INTERACTIONS [01]
DA December 1, 1974
BT1 Lepton-Nucleon Interactions
BT2 Lepton-Baryon Interactions
BT3 Lepton-Hadron Interactions
BT4 Particle Interactions
BT5 Interactions
NT1 Muon-Neutron Interactions
NT1 Muon-Proton Interactions

MUON NUMBER [01]
DA April 28, 1978
BT1 Lepton Number
RT Muons

MUON PAIRS [01]
DA October 28, 1975
RT Muons Minus
RT Muons Plus
RT Pair Production

MUON-PION INTERACTIONS
DA December 22, 1977
BT1 Muon-Meson Interactions
BT2 Lepton-Meson Interactions
BT3 Lepton-Hadron Interactions
BT4 Particle Interactions
BT5 Interactions

MUON PROBES [01]
DA August 24, 1976
BT1 Probes
RT Muon Beams
RT Muon Spin Relaxation
RT Muonium
RT Muons Plus
DEF Polarized positive muon beams used to investigate properties of condensed matter.

MUON-PROTON INTERACTIONS [01]
DA December 1, 1974
BT1 Muon-Nucleon Interactions
BT2 Lepton-Nucleon Interactions
BT3 Lepton-Baryon Interactions
BT4 Lepton-Hadron Interactions
BT5 Particle Interactions
BT6 Interactions

MUON REACTIONS [01]
DA December 1, 1974
BT1 Charged-Particle Reactions
BT2 Nuclear Reactions
BT1 Lepton Reactions
BT2 Nuclear Reactions

MUON SPIN RELAXATION [01]
(A means of studying the magnetic properties of a material by stopping polarized muons in the material and measuring the muon spin dynamics there.)
DA November 20, 1986
UF *Mu SR*
UF *Muon Spin Resonance*
UF *Muon Spin Rotation*
BT1 Relaxation
RT Crystal Lattices
RT Magnetic Properties
RT Magnetic Resonance
RT Muon Probes
RT Spin Orientation

Muon Spin Resonance
DA November 20, 1986
USE Muon Spin Relaxation

Muon Spin Rotation
DA November 20, 1986
USE Muon Spin Relaxation

MUONIC ATOMS [01]
DA December 1, 1974
BT1 Atoms
RT Mesic Atoms
RT Muonic Ions
RT Muonic Molecules
RT Muons Minus
RT Pi-Mu Atoms

MUONIC IONS [01]
DA March 3, 1978
BT1 Ions
BT2 Charged Particles
RT Muonic Atoms
RT Muonic Molecules

MUONIC MOLECULES [01]
DA December 1, 1974
BT1 Mesic Molecules
BT2 Molecules
RT Muon-Catalyzed Fusion
RT Muonic Atoms
RT Muonic Ions
RT Muons Minus
RT Muons Plus

MUONIUM [01]
DA December 1, 1974
RT Atoms
RT Charmonium
RT Electrons
RT Kaonium
RT Muon Probes
RT Muons Plus
RT Pionium
RT Positronium
RT Protonium

MUONS [01]
DA December 1, 1974
BT1 Leptons
BT2 Elementary Particles
BT2 Fermions
NT1 Cosmic Muons
NT1 Muons Minus
NT1 Muons Plus
RT Electron-Muon-Tau Universality
RT Electron-Muon Universality
RT Heavy Neutral Muons
RT Muon Number
RT Muon-Deuteron Interactions
RT Pi-Mu Atoms

Muons, Heavy Neutral
DA August 9, 1979
USE Heavy Neutral Muons

MUONS MINUS [01]
DA December 1, 1974
BT1 Muons
BT2 Leptons
BT3 Elementary Particles
BT3 Fermions
RT Muon Pairs
RT Muon-Catalyzed Fusion
RT Muonic Atoms
RT Muonic Molecules

MUONS PLUS [01]
DA December 1, 1974
UF *Antimuons*
BT1 Antileptons
BT2 Antiparticles
BT3 Antimatter
BT4 Matter
BT3 Elementary Particles
BT2 Leptons
BT3 Elementary Particles
BT3 Fermions
BT1 Muons
BT2 Leptons
BT3 Elementary Particles
BT3 Fermions
RT Muon Pairs
RT Muon Probes
RT Muonic Molecules
RT Muonium

MURA SYNCHROTRON [01]
DA December 1, 1974
UF *Mark V Synchrotron*
BT1 Synchrotrons
BT2 Cyclic Accelerators
BT3 Accelerators

MUREXIDE [01]
DA December 1, 1974
UF *Purpuric Acid*
BT1 Dyes
BT1 Organic Oxygen Compounds
BT2 Organic Compounds
BT1 Pyrimidines
BT2 Azines
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
BT1 Reagents

MURR REACTOR [01]
(University of Missouri, Research Park, Columbia, Missouri, USA.)
DA December 1, 1974
UF *Missouri University/Columbia Research Reactor*
UF *University of Missouri/Columbia Research Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors

Musashi Institute of Technology TRIGA Reactor
DA December 1, 1974
USE TRIGA-2-Musashi Reactor

MUSCLES [01]
DA December 1, 1974
UF+ *Muscular Tissue*
NT1 Diaphragm
NT1 Myoblasts

NT1 Myocardium
RT Actin
RT Exercise
RT Limbs
RT Myoglobin
RT Myosarcomas
RT Radiation Syndrome
RT Sarcoplasmic Reticulum
RT Tendons
RT Tongue
RT Trichinosis
RT Tropomyosin

MUSCOVITE [01]
DA December 1, 1974
BT1 Mica
BT2 Silicate Minerals
BT3 Minerals
DEF A mineral of the mica group: $KAl_2(AlSi_3)O_{10}(OH)_2$.

Musculamine
DA December 1, 1974
USE Spermine

Muscular Tissue
DA December 1, 1974
USE Muscles
AND Tissues

Museums
DA July 24, 1979
USE Educational Facilities

MUSHROOMS [01]
DA December 1, 1974
BT1 Fungi
BT2 Plants

MUSSELS [01]
DA June 17, 1981
BT1 Molluscs
BT2 Aquatic Organisms
BT2 Invertebrates
BT3 Animals

Mustard
DA December 1, 1974
USE Brassica

Mustard (Nitrogen)
DA December 1, 1974
USE Nitrogen Mustard

MUTAGEN SCREENING [01]
DA November 14, 1978
UF *Ames Test*
BT1 Screening
RT Biological Indicators
RT Carcinogen Screening
RT Cell Cultures
RT Mutagenesis
RT Mutagens
RT Teratogen Screening
RT Testing

MUTAGENESIS [01]
DA December 1, 1974
RT DNA Adducts
RT Doxorubicin
RT Genetic Control
RT Genotype
RT Mutagen Screening
RT Mutagens
RT Mutants
RT Mutations

Mutagenic Pathways
DA December 20, 1978
USE Biological Pathways

MUTAGENS [01]
DA December 1, 1974
UF *Chemical Mutagens*
SF *Chemicals*
NT1 EMS
NT1 Methyl Methanesulfonate
NT1 Methyl Nitrosourea
NT1 Proflavine
RT Antibiotics
RT Carcinogens
RT Environmental Exposure
RT Ionizing Radiations
RT Mutagen Screening
RT Mutagenesis
RT Neocarcinostatin
RT Nitrogen Mustard
RT Nitrosamines
RT Occupational Exposure
RT Pesticides
RT Plant Breeding
RT Polycyclic Aromatic Hydrocarbons
RT Radiation Equivalence
RT Radiomimetic Drugs
RT Teratogens
RT Tumor Promoters
RT Viruses

MUTANTS [01]
DA December 1, 1974
NT1 Radiation Induced Mutants
NT1 Revertants
RT Adventitious Bud Technique
RT Disease Resistance
RT Mutagenesis
RT Mutations
RT Plant Breeding

MUTATION FREQUENCY [01]
DA December 1, 1974
UF *Aberration Yield*
RT Mutations

Mutation Induction Pathways
DA December 20, 1978
USE Biological Pathways

MUTATIONS [01]
DA December 1, 1974
NT1 Chromosomal Aberrations
NT2 Chromosome Breakage
NT2 Sister Chromatid Exchanges
NT1 Dominant Mutations
NT1 Gene Mutations
NT1 Genome Mutations
NT1 Lethal Mutations
NT1 Recessive Mutations
NT1 Somatic Mutations
NT1 Spontaneous Mutations
RT Adventitious Bud Technique
RT Congenital Malformations
RT DNA Base Transitions
RT DNA Mismatch
RT Genetic Control
RT Genetic Effects
RT Hereditary Diseases
RT Meiosis
RT Mosaicism
RT Mutagenesis
RT Mutants
RT Mutation Frequency
RT Plant Breeding
RT Pyrimidine Dimers
RT Reproduction
RT Revertants

Mutsu (Nuclear Ship)
DA December 1, 1974
USE NS Mutsu

MUTSU REACTOR [01]
DA December 1, 1974
UF *Japan Ship Reactor Mutsu*
UF *Nuclear Ship Mutsu Reactor*
UF *Ship Reactor Mutsu*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Ship Propulsion Reactors
BT2 Propulsion Reactors
BT3 Reactors
RT NS Mutsu

Mutualism
DA January 15, 1980
USE Symbiosis

MWD SYSTEMS [01]
(Sensors and data transmission equipment for real time measurements while drilling.)
DA December 11, 1978
UF *Downhole Information Systems*
UF *Logging While Drilling*
UF *Measurements While Drilling*
SF *Sigmalog*
RT Drilling
RT Offshore Drilling
RT Real Time Systems
RT Telemetry
RT Well Drilling
RT Well Logging

MWPC
DA December 1, 1974
USE Multiwire Proportional Chambers

MX Devices
DA October 20, 1977
USE MFTF Devices

MYCELIUM [01]
DA December 1, 1974
BT1 Plant Tissues
BT2 Tissues
BT3 Body
RT Fungi

MYCOBACTERIUM [01]
DA December 1, 1974
BT1 Bacteria
BT2 Microorganisms
NT1 Mycobacterium Tuberculosis
RT Leprosy

MYCOBACTERIUM TUBERCULOSIS [01]
DA December 1, 1974
BT1 Mycobacterium
BT2 Bacteria
BT3 Microorganisms
RT Tuberculosis

MYCOPLASMA [01]
DA December 1, 1974
BT1 Microorganisms
NT1 Acholeplasma Laidlawii B
RT Bacteria

MYCORRHIZAS [01]
DA June 2, 1977
RT Frankia
RT Fungi
RT Locust Trees
RT Symbiosis
DEF A symbiotic association of fungi and the roots of plants.

MYCOSES [01]
DA December 1, 1974
BT1 Fungal Diseases
BT2 Infectious Diseases
BT3 Diseases
RT Fungi

MYELIN [01]
DA December 1, 1974
BT1 Cell Membranes
BT2 Cell Constituents
BT2 Membranes
RT Cholesterol
RT Lipids
RT Lipoproteins
RT Nerve Cells
RT Nerves

MYELITIS [01]
DA December 1, 1974
BT1 Nervous System Diseases
BT2 Diseases
NT1 Poliomyelitis
RT Spinal Cord

MYELOID LEUKEMIA [01]
DA December 1, 1974
BT1 Leukemia
BT2 Immune System Diseases
BT3 Diseases
BT2 Neoplasms

BT3 Diseases
RT Philadelphia Chromosome
RT Polycythemia

MYLAR [01]
DA December 1, 1974
BT1 Plastics
BT2 Petrochemicals
BT3 Petroleum Products
BT2 Synthetic Materials
BT3 Materials
BT1 Polyesters
BT2 Esters
BT3 Organic Compounds
BT2 Organic Polymers
BT3 Organic Compounds
BT3 Polymers
RT Glycols

MYLERAN [01]
DA December 1, 1974
UF *Busulfan*
BT1 Alkylating Agents

MYOBLASTS [01]
DA December 1, 1974
BT1 Muscles
RT Myocardium

MYOCARDIAL INFARCTION [01]
DA December 1, 1974
BT1 Cardiovascular Diseases
BT2 Diseases
RT Blood Circulation
RT Coronaries
RT Ischemia
RT Myocardium

MYOCARDIUM [01]
DA December 1, 1974
BT1 Heart
BT2 Cardiovascular System
BT2 Organs
BT3 Body
BT1 Muscles
RT Coronaries
RT Myoblasts
RT Myocardial Infarction

MYOGLOBIN [01]
DA December 1, 1974
BT1 Globins
BT2 Proteins
BT3 Organic Compounds
BT1 Pigments
BT1 Porphyrins
BT2 Heterocyclic Acids
BT3 Carboxylic Acids
BT4 Organic Acids
BT5 Organic Compounds
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
RT Muscles

Myometrium
DA December 1, 1974
USE Uterus

MYOSARCOMAS [01]
DA May 6, 1975
BT1 Sarcomas
BT2 Neoplasms
BT3 Diseases
NT1 Rhabdomyosarcomas
RT Muscles

MYOSIN [01]
DA December 1, 1974
BT1 Globulins
BT2 Proteins
BT3 Organic Compounds
RT Tropomyosin

Myristic Acid
DA December 1, 1974
USE Tetradecanoic Acid

Myxedema
DA December 1, 1974
USE Hypothyroidism

MYXOMYCETES [01]
DA December 1, 1974
UF *Slime Fungi*
BT1 Fungi
BT2 Plants

MZFR REACTOR [01]
(Leopoldshafen, Karlsruhe, Federal Republic of Germany)
DA December 1, 1974
UF *Mehrzweck-Forschungsreaktor*
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 PHWR Type Reactors
BT2 Heavy Water Cooled Reactors
BT3 Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

N,N-Ethylenebis(2-(O-Hydroxyphenyl)Glycine)
DA June 7, 1976
USE EDDHA

N-1440 BARYONS [01]
(Prior to March 1988 this concept was indexed by N-1470 RESONANCES.)
DA March 11, 1988
UF *N-1470 Resonances*
UF *Roper Resonance*
BT1 N Baryons
BT2 N*Baryons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles

N-1470 Resonances
(Prior to March 1988 this was a valid descriptor.)
DA December 1, 1974
USE N-1440 Baryons

N-1520 BARYONS [01]
(Prior to March 1988 this concept was indexed by N-1520 RESONANCES.)
DA March 11, 1988
UF *N-1520 Resonances*
BT1 N Baryons
BT2 N*Baryons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles

N-1520 Resonances
(Prior to March 1988 this was a valid descriptor.)
DA December 1, 1974
USE N-1520 Baryons

N-1535 BARYONS [01]
(Prior to March 1988 this concept was indexed by N-1535 RESONANCES.)
DA March 11, 1988
UF *N-1535 Resonances*
BT1 N Baryons
BT2 N*Baryons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles

N-1535 Resonances
(Prior to March 1988 this was a valid descriptor.)
DA December 1, 1974
USE N-1535 Baryons

N-1540 BARYONS [01]
DA March 11, 1988
BT1 N Baryons
BT2 N*Baryons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles

N-1650 BARYONS [01]
DA March 11, 1988
BT1 N Baryons
BT2 N*Baryons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles

N-1675 BARYONS [01]
DA March 11, 1988
BT1 N Baryons
BT2 N*Baryons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles

N-1680 BARYONS [01]
(Prior to March 1988 this concept was indexed by N-1680 RESONANCES.)
DA March 11, 1988
UF *N-1680 Resonances*
UF *N-1688 Resonances*
BT1 N Baryons
BT2 N*Baryons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles

N-1680 Resonances
(Prior to March 1988 this was a valid descriptor.)
DA December 1, 1974
USE N-1680 Baryons

N-1688 Resonances
(Prior to March 1988 this was a valid descriptor.)
DA December 1, 1974
USE N-1680 Baryons

N-1700 BARYONS [01]
(Prior to March 1988 this concept was indexed by N-1700 RESONANCES.)
DA March 11, 1988
UF *N-1700 Resonances*
BT1 N Baryons
BT2 N*Baryons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles

N-1700 Resonances
(Prior to March 1988 this was a valid descriptor.)
DA December 1, 1974
USE N-1700 Baryons

N-1710 BARYONS [01]
DA March 11, 1988
BT1 N Baryons
BT2 N*Baryons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles

N-1720 BARYONS [01]
DA March 11, 1988
BT1 N Baryons
BT2 N*Baryons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles

N-1780 Resonances
(Prior to August 1988 this was a valid descriptor.)
DA December 1, 1974
SEE N*Baryons

N-1860 Resonances
(Prior to August 1988 this was a valid descriptor.)

DA December 1, 1974
SEE N*Baryons

N-1960 BARYONS [01]
DA March 16, 1988
BT1 N Baryons
BT2 N*Baryons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles

N-1990 BARYONS [01]
(Prior to March 1988 this concept was indexed by N-1990 RESONANCES.)
DA March 16, 1988
UF *N-1990 Resonances*
BT1 N Baryons
BT2 N*Baryons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles

N-1990 Resonances
(Prior to March 1988 this was a valid descriptor.)
DA December 1, 1974
USE N-1990 Baryons

N-2000 BARYONS [01]
DA March 16, 1988
BT1 N Baryons
BT2 N*Baryons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles

N-2040 Resonances
(Prior to August 1988 this was a valid descriptor.)
DA December 1, 1974
SEE N*Baryons

N-2080 BARYONS [01]
DA March 16, 1988
BT1 N Baryons
BT2 N*Baryons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles

N-2090 BARYONS [01]
DA March 16, 1988
BT1 N Baryons
BT2 N*Baryons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles

N-2100 BARYONS [01]
DA March 16, 1988
BT1 N Baryons
BT2 N*Baryons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles

N-2190 BARYONS [01]
(Prior to March 1988 this concept was indexed by N-2190 RESONANCES.)
DA March 16, 1988
UF *N-2190 Resonances*
BT1 N Baryons
BT2 N*Baryons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles

N-2190 Resonances
(Prior to March 1988 this was a valid descriptor.)
DA December 1, 1974
USE N-2190 Baryons

N-2200 BARYONS [01]
DA March 16, 1988
BT1 N Baryons
BT2 N*Baryons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles

N-2220 BARYONS [01]
DA March 16, 1988
BT1 N Baryons
BT2 N*Baryons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles

N-2250 BARYONS [01]
DA March 16, 1988
BT1 N Baryons
BT2 N*Baryons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles

N-2600 BARYONS [01]
(Prior to March 1988 this concept was indexed by N-2650 RESONANCES.)
DA March 16, 1988
UF *N-2650 Resonances*
BT1 N Baryons
BT2 N*Baryons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles

N-2650 Resonances
(Prior to March 1988 this was a valid descriptor.)
DA December 1, 1974
USE N-2600 Baryons

N-2700 BARYONS [01]
DA March 16, 1988
BT1 N Baryons
BT2 N*Baryons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles

N-3000 BARYONS [01]
(Prior to March 1988 this concept was indexed by N-3030 RESONANCES.)
DA March 16, 1988
UF *N-3030 Resonances*
BT1 N Baryons
BT2 N*Baryons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles

N-3030 Resonances
(Prior to March 1988 this was a valid descriptor.)
DA December 1, 1974
USE N-3000 Baryons

N BARYONS [01]
DA March 11, 1988
BT1 N*Baryons
BT2 Baryons
BT3 Fermions
BT3 Hadrons
BT4 Elementary Particles
NT1 N-1440 Baryons
NT1 N-1520 Baryons
NT1 N-1535 Baryons
NT1 N-1540 Baryons
NT1 N-1650 Baryons
NT1 N-1675 Baryons
NT1 N-1680 Baryons
NT1 N-1700 Baryons
NT1 N-1710 Baryons
NT1 N-1720 Baryons
NT1 N-1960 Baryons
NT1 N-1990 Baryons
NT1 N-2000 Baryons
NT1 N-2080 Baryons
NT1 N-2090 Baryons
NT1 N-2100 Baryons
NT1 N-2190 Baryons
NT1 N-2200 Baryons
NT1 N-2220 Baryons
NT1 N-2250 Baryons
NT1 N-2600 Baryons
NT1 N-2700 Baryons
NT1 N-3000 Baryons

N*BARYONS [01]
(Prior to February 1988 this concept was indexed by N*RESONANCES.)
DA February 19, 1988
UF *Delta Resonances (Baryon)*
UF *Isobars (Nucleon)*
UF *N*Resonances*
UF *Nucleon Isobars*
SF *Delta-1877 Resonances*
SF *N-1780 Resonances*
SF *N-1860 Resonances*
SF *N-2040 Resonances*
BT1 Baryons
BT2 Fermions
BT2 Hadrons
BT3 Elementary Particles
* **NT1** Delta Baryons
* **NT1** N Baryons

N CODES [01]
DA December 1, 1974
BT1 Computer Codes

N-D METHOD [01]
DA December 1, 1974
BT1 Calculation Methods
RT Dispersion Relations
RT Partial Waves

N-Ethyl Maleimide
DA August 24, 1976
USE NEM

N-REACTOR [01]
DA December 1, 1974
UF *NPR Reactor*
UF *Richland NPR Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 LWGR Type Reactors
BT2 Graphite Moderated Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT1 Plutonium Production Reactors
BT2 Production Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
RT WNP-1 Reactor

*N*Resonances*
(Prior to April 1989 this was a valid descriptor.)
DA December 1, 1974
USE N*Baryons

N SHELL [01]
DA October 23, 1978
UF *Atomic Shells (N)*
BT1 Electronic Structure

N-TYPE CONDUCTORS [01]
DA December 1, 1974
BT1 Semiconductor Materials
BT2 Materials

NABARLEK DEPOSIT [01]
DA August 7, 1978
BT1 Uranium Deposits
BT2 Geologic Deposits
BT2 Mineral Resources
BT3 Resources
RT Northern Territory
RT Uranium Ores

NAC CYCLOTRON [01]
(Separated sector cyclotron of the National Accelerator Centre, Faure, Republic of South Africa.)
DA July 7, 1983
UF *Faure Cyclotron*
UF *NACSSC*
BT1 Heavy Ion Accelerators

BT2 Accelerators
BT1 Isochronous Cyclotrons
BT2 Cyclotrons
BT3 Cyclic Accelerators
BT4 Accelerators

NACSSC
(Prior to July 1985, this was a valid descriptor and older material is so indexed.)
DA March 24, 1983
USE NAC Cyclotron

NAD [01]
DA December 1, 1974
UF *Coenzyme I*
UF *Nicotinamide-Adenine Dinucleotide*
BT1 Coenzymes
BT1 Nucleotides
BT2 Organic Compounds
RT Nicotinamide
RT Pyridines

NADH2 [01]
DA December 1, 1974
UF *Diphosphodihydropyridine Nucleotide*
UF *Reduced Nicotinamide-Adenine Dinucleotide*
BT1 Coenzymes
BT1 Nucleotides
BT2 Organic Compounds
RT Nicotinamide

NADP [01]
DA December 1, 1974
UF *Coenzyme II*
UF *Nicotinamide-Adenine Dinucleotide Phosphate*
BT1 Coenzymes
BT1 Nucleotides
BT2 Organic Compounds
RT Nicotinamide

NAEGITE [01]
DA December 1, 1974
BT1 Oxide Minerals
BT2 Minerals
BT1 Thorium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
BT1 Thorium Oxides
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT2 Thorium Compounds
BT3 Actinide Compounds
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
BT1 Uranium Oxides
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT2 Uranium Compounds
BT3 Actinide Compounds
BT1 Zirconium Oxides
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT2 Zirconium Compounds
BT3 Transition Element Compounds

NAGASAKI [01]
DA December 1, 1974
BT1 Japan
BT2 Asia
BT2 Developed Countries
RT A-Bomb Survivors
RT Nuclear Explosions
RT Nuclear Weapons

NAHCOLITE
DA April 15, 1975
BT1 Carbonate Minerals
BT2 Minerals
BT1 Sodium Carbonates
BT2 Carbonates
BT3 Carbon Compounds
BT3 Oxygen Compounds
BT2 Sodium Compounds
BT3 Alkali Metal Compounds
RT Integrated In-Situ Process
DEF White monoclinic mineral consisting of natural sodium bicarbonate.

NAI DETECTORS [01]
DA February 5, 1979
UF *Sodium Iodide Detectors*
BT1 Solid Scintillation Detectors
BT2 Scintillation Counters
BT3 Radiation Detectors
BT4 Measuring Instruments

NAILS [01]
DA December 1, 1974
BT1 Skin
BT2 Organs
BT3 Body
RT Fingers

NAK COOLED REACTORS [01]
DA February 6, 1975
BT1 Liquid Metal Cooled Reactors
BT2 Reactors
NT1 EBR-1 Reactor
NT1 S10FS-1 Reactor
NT1 S10FS-3 Reactor
NT1 S10FS-4 Reactor
NT1 S2DS Reactor
NT1 S8DR Reactor
NT1 S8ER Reactor
NT1 SER Reactor
NT1 SNAP-TSF Reactor
NT1 SNAPTRAN Reactors
RT Potassium Cooled Reactors
RT Sodium Cooled Reactors

NAL Synchrotron
DA November 12, 1975
USE Fermilab Accelerator

NAMAFJALL GEOTHERMAL FIELD [01]
DA February 20, 1975
BT1 Geothermal Fields
RT Iceland

NAMIBIA [01]
(Prior to July 1984 this concept was indexed to South West Africa.)
DA June 29, 1984
UF *South West Africa*
BT1 Africa

NANO AMP BEAM CURRENTS [01]
DA October 28, 1975
BT1 Beam Currents
BT2 Currents
DEF Beam currents from 10^{-9} amp to 10^{-6} amp.

NANOSEC LIVING RADIOISOTOPES [01]
DA February 6, 1975
BT1 Radioisotopes
BT2 Isotopes
NT1 Actinium 217
NT1 Antimony 113
NT1 Antimony 117
NT1 Astatine 213
NT1 Barium 138
NT1 Bismuth 211
NT1 Bromine 83
NT1 Cesium 113
NT1 Fermium 256
NT1 Fluorine 18
NT1 Francium 211
NT1 Francium 212
NT1 Francium 213
NT1 Francium 215
NT1 Francium 216
NT1 Gadolinium 147
NT1 Gadolinium 148
NT1 Krypton 86
NT1 Lead 194
NT1 Lead 200
NT1 Molybdenum 92
NT1 Molybdenum 94
NT1 Neptunium 237
NT1 Osmium 182
NT1 Plutonium 237
NT1 Polonium 210
NT1 Polonium 212
NT1 Potassium 40
NT1 Protactinium 219
NT1 Protactinium 220
NT1 Radium 216
NT1 Radon 210
NT1 Radon 211
NT1 Radon 214
NT1 Rubidium 85
NT1 Sodium 22
NT1 Thorium 218
RT Half-Life
RT Lifetime

NAP-M STORAGE RING [01]
DA October 1, 1975
BT1 Storage Rings

NAPAP
(Prior to October 1991, this was a valid descriptor.)
DA December 10, 1984
USE US NAPAP

NAPHTHA [01]
(Boiling point range 0-204°C.)
DA February 6, 1975
BT1 Distillates
NT1 Ligroin
RT Petroleum Products
DEF Fraction of coal tar oil distilling in range 160-220°C; petroleum distilling in range 175-240°C.

NAPHTHALENE [01]
DA December 1, 1974
BT1 Condensed Aromatics
BT2 Aromatics
BT3 Organic Compounds
BT1 Hydrocarbons
BT2 Organic Compounds
RT Acenaphthene
RT Decalin
RT Tetralin

Naphthalic Acid
DA December 1, 1974
USE Phthalic Acid

Naphthenes
DA March 8, 1977
USE Hydroaromatics

NAPHTHOLS [01]
DA December 1, 1974
UF *Hydroxynaphthalenes*
UF *Naphthols-Alpha*
UF *Naphthols-Beta*
BT1 Phenols
BT2 Aromatics
BT3 Organic Compounds
BT2 Hydroxy Compounds
BT3 Organic Compounds
NT1 1-Nitroso-2-Naphthol
NT1 Acid Chrome Dyes
NT1 Beryllon
NT1 Nitroso-R Salt
NT1 PAN
NT1 Thorin
NT1 Trypan Blue

Naphthols-Alpha
DA December 1, 1974
USE Naphthols

Naphthols-Beta
DA December 1, 1974
USE Naphthols

NAPHTHYL RADICALS [01]
DA December 1, 1974
BT1 Aryl Radicals
BT2 Radicals

Naphthylhydroxylamine, N-Nitroso-
DA April 8, 1975
USE Neocupferron

NARCOTICS [01]
DA December 1, 1974
UF *Opiates*
BT1 Central Nervous System Depressants
BT2 Drugs
NT1 Methadone Hydrochloride
NT1 Opium
NT2 Morphine
NT3 Codeine
NT3 Heroin
NT3 Thebaine
NT1 Pethidine
RT Analgesics
RT Anesthetics
RT Endorphins
RT Hypnotics and Sedatives

NARORA-1 REACTOR [01]
(Narora, Uttar Pradesh, India)
DA December 1, 1974
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 PHWR Type Reactors
BT2 Heavy Water Cooled Reactors
BT3 Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors

NARORA-2 REACTOR [01]
(Narora, Uttar Pradesh, India)
DA May 6, 1975
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 PHWR Type Reactors
BT2 Heavy Water Cooled Reactors
BT3 Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors

NASA [01]
DA December 1, 1974
UF *National Aeronautics and Space Administration*
BT1 US Organizations
BT2 National Organizations

NASA-Test Reactor
DA December 1, 1974
USE PBR Reactor

NASA-TR Reactor
DA December 1, 1974
USE PBR Reactor

Nasopharynx
DA December 1, 1974
USE Pharynx

National Accelerator Laboratory
DA April 29, 1975
USE Fermilab Accelerator

National Acid Precipitation Assessment Program
DA December 10, 1984
USE US NAPAP

National Aeronautics and Space Administration
DA December 1, 1974
USE NASA

National Bureau of Standards
DA April 6, 1978
USE US NBS

National Bureau Of Standards Reactor
DA December 1, 1974
USE NBSR Reactor

NATIONAL COAL MODEL
DA August 12, 1980
BT1 Energy Models
RT Coal

NATIONAL CONTROL [01]
DA December 1, 1974
BT1 Atomic Energy Control
BT2 Control
RT Reactor Commissioning
RT Reactor Decommissioning
RT Reactor Dismantling

National Council Radiation Protection
DA December 1, 1974
USE US NCRP

NATIONAL DEFENSE [01]
DA December 1, 1974
UF *Defense*
NT1 Ballistic Missile Defense
NT1 Civil Defense
RT Defense Production Act
RT Military Assistance
RT Military Facilities
RT Missile Silos
RT National Security
RT Nuclear Weapons
RT Space Weapons
RT Warfare

National Electric Reliability Councils
DA September 27, 1979
USE Electric Reliability Councils

→**NATIONAL ENERGY ACTS**
(Prior to February 1992 this was a valid descriptor. From February 1992 to August 1993 this concept was indexed to US NATIONAL ENERGY ACTS.)
DA August 10, 1993
UF *US National Energy Act*
BT1 Laws
NT1 US Energy Tax Act
NT1 US National Energy Conservation Policy Act
NT1 US Natural Gas Policy Act
NT1 US Power Plant and Industrial Fuel Use Act
NT1 US Public Utility Regulatory Policies Act
RT National Energy Plans

NATIONAL ENERGY CONSERVATION INCENTIVES ACT
DA November 23, 1979
BT1 Laws
RT Energy Conservation
RT Financial Incentives

National Energy Conservation Policy Act
(Prior to February 1992 this was a valid descriptor.)
DA May 18, 1981
USE US National Energy Conservation Policy Act

→**NATIONAL ENERGY PLANS [01]**
(Prior to February 1992 this was a valid descriptor.)
DA September 11, 1992
BT1 Energy Policy
BT2 Government Policies
NT1 US National Energy Plan
RT Energy Conservation
RT Energy Sources
RT Energy Supplies
RT National Energy Acts

National Energy Security Corporation
DA July 23, 1980
USE Synthetic Fuels Corporation

National Enterprises
DA July 24, 1979
USE Public Enterprises

National Environmental Policy Act
(Prior to January 1992 this was a valid descriptor.)
DA June 30, 1975
USE US National Environmental Policy Act

NATIONAL GOVERNMENT [01]
(Use only when needed in conjunction with one or both of the terms LOCAL GOVERNMENT and STATE GOVERNMENT.)
DA March 9, 1978
SF *Federal Government*
RT Centrally Planned Economies
RT Federal Expenditures
RT GIDEP
RT Government Policies
RT Institutional Sector
RT Legislation
RT Local Government
RT National Organizations
RT Public Officials
RT Regulations
RT State Government
RT US Federal Assistance Programs

National Institute for Occupational Safety and Health
DA March 29, 1980
USE US NIOSH

National Institute for Petroleum and Energy Research
DA June 29, 1984
USE US NIPER

National Institute of Radiological Science Cyclotron
DA January 24, 1980
USE NIRS Cyclotron

National Instituut Voor Kernfysica en Hogeenergiefysica
DA October 19, 1977
USE NIKHEF

National Oceanic and Atmospheric Administration
DA January 24, 1980
USE US NOAA

NATIONAL ORGANIZATIONS [01]
DA December 1, 1974
NT1 Argentine Organizations
NT1 Australian Organizations
NT2 ANSTO
NT3 AAEC
NT1 Austrian Organizations
NT2 Seibersdorf Research Centre
NT1 Bangladesh Organizations
NT1 Belgian Organizations
NT1 Brazilian Organizations
NT2 Brazilian CNEN
NT2 Brazilian LNLS
NT2 Nuclebras
NT1 Canadian Organizations
NT2 Atomic Energy of Canada LTD
NT3 Chalk River Nuclear Labs
NT2 Canadian AECB
NT2 WNRE
NT1 Chinese Organizations
NT2 Chinese NNSA
NT2 CIAE
NT1 Colombian Organizations
NT2 IAN
NT1 Czechoslovak Organizations
NT2 UJV
NT2 UVVVR
NT1 Danish Organizations
NT2 Danish Atomic Energy Commission
NT2 Risoe National Laboratory
NT2 Risoe Research Establishment
NT1 Finnish Organizations
* **NT1** French Organizations
* **NT1** German FR Organizations
NT1 Greek Organizations
NT1 Hungarian Organizations
NT2 Atomki
NT1 Indian Organizations
NT2 BARC
NT2 IGCAR
NT1 Iranian Organizations
NT2 Iranian Atomic Energy Organization
NT2 Tehran Nuclear Research Centre
NT1 Iraqi Organizations

NT2 Iraqi Atomic Energy Commission
NT3 Iraqi Nuclear Research Centre
NT1 Israeli Organizations
NT2 Israel Atomic Energy Commission
NT3 Negev Nuclear Research Center
NT3 Soreq Nuclear Research Center
* NT1 Italian Organizations
NT1 Japanese Organizations
NT2 JAERI
NT2 JNSDA
NT2 PNC
NT1 Korean Organizations
NT2 KAERI
NT1 Malaysian Organizations
NT2 PUSPATI
NT1 Mexican Organizations
* NT1 Netherlands Organizations
NT1 New Zealand Organizations
NT1 Norwegian Organizations
NT1 Philippine Organizations
NT2 Philippine Atomic Energy Commission
NT3 Philippine Atomic Research Center
NT2 Philippine Nuclear Research Institute
NT1 Polish Organizations
NT2 Panstwowa Agencja Atomistyki
NT1 South African Organizations
NT1 Spanish Organizations
NT1 Swedish Organizations
NT1 Swiss Organizations
* NT1 United Kingdom Organizations
* NT1 US Organizations
NT1 USSR Organizations
NT2 Gosatomnadzor
NT2 IHEP
NT2 Leningrad Institute of Nuclear Physics
NT1 Vietnamese Organizations
RT International Organizations
RT National Government
RT Nuclear Operators

National Program Plans
(Prior to February 1992 this was a valid descriptor.)
DA September 26, 1979
USE US National Program Plans

National Radiological Protection Board
DA January 24, 1980
USE NRPB

National Reactor Testing Station
DA December 1, 1974
USE Idaho National Engineering Laboratory

National Reactor Testing Station Burst Facility
DA December 1, 1974
USE PBF Reactor

NATIONAL SCIENCE FOUNDATION [01]
DA January 24, 1975
BT1 US Organizations
BT2 National Organizations

NATIONAL SECURITY
DA December 10, 1979
BT1 Security
RT Ballistic Missile Defense
RT Classified Information
RT Invention Secrecy Act
RT Materials And Minerals Policy Acts
RT National Defense
RT Nuclear Deterrence
RT Security Violations

National Synchrotron Light Source
DA April 11, 1979
USE NSLS

NATIONALIZATION [01]
DA June 6, 1980
RT Centrally Planned Economies
RT Economic Policy
RT Government Policies
DEF Takeover by a government, with or without compensation, of a public or private activity.

NATO [01]
(North Atlantic Treaty Organization.)
DA February 19, 1976
BT1 International Organizations
RT CCMS

NATROAUTUNITE [01]
DA December 1, 1974
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
BT1 Uranium Phosphates
BT2 Phosphates
BT3 Oxygen Compounds
BT3 Phosphorus Compounds
BT2 Uranium Compounds
BT3 Actinide Compounds

Natural Activity
DA December 1, 1974
USE Natural Radioactivity

NATURAL BRIDGES NATIONAL MONUMENT
DA September 8, 1981
BT1 Public Lands
RT Photovoltaic Power Supplies
RT Utah

Natural Circulation
DA December 1, 1974
USE Natural Convection

NATURAL CONVECTION [01]
DA December 1, 1974
UF *Free Convection*
UF *Natural Circulation*
BT1 Convection
BT2 Heat Transfer
BT3 Energy Transfer
BT2 Mass Transfer
RT Natural Draft Cooling Towers

Natural Depletion
DA February 23, 1979
USE Primary Recovery

NATURAL DRAFT COOLING TOWERS
DA February 20, 1975
BT1 Cooling Towers
RT Cooling
RT Heat Exchangers
RT Natural Convection

NATURAL GAS [01]
DA December 1, 1974
BT1 Fossil Fuels
BT2 Energy Sources
BT2 Fuels
BT1 Fuel Gas
BT2 Gas Fuels
BT3 Fuels
BT2 Gases
BT3 Fluids
NT1 Abiogenic Gas
NT1 Liquefied Natural Gas
RT Alaska Gas Pipeline
RT Arctic Gas Pipelines
RT Deregulation
RT Drilling Rigs
RT Enhanced Recovery
RT Flaring
RT Gas Heat Pumps
RT Gas Hydrates
RT Gas Meters
RT Gas Spills
RT Gasbuggy Event
RT LNG Plants
RT Master Metering
RT Natural Gas Deposits
RT Natural Gas Distribution Systems
RT Natural Gas Industry
RT Natural Gas Wells
RT Polar Gas Project
RT Primary Recovery
RT Public Utilities
RT Refinery Gases
RT Rio Blanco Event
RT Rulison Event
RT Storage Facilities
RT Wagon Wheel Event

Natural Gas Appliances
DA June 21, 1977
USE Gas Appliances

NATURAL GAS DEPOSITS [01]
DA September 30, 1975
BT1 Geologic Deposits
BT1 Mineral Resources
BT2 Resources
NT1 Natural Gas Fields
NT2 Gas Condensate Fields
RT Acidization
RT Geologic Traps
RT Geophysical Surveys
RT Geopressured Systems
RT Natural Gas
RT Petroleum Geology
RT Powder River Basin
RT Reserves
RT Seeps
RT Wasatch Formation
RT Well Logging Equipment
RT Western US Overthrust Belt

NATURAL GAS DISTRIBUTION SYSTEMS [01]
DA November 1, 1976
UF *Natural Gas Gathering Systems*
SF *Energy Transport*
SF *Transport (Energy)*
BT1 Energy Systems
RT FERC Gas Areas
RT Gas Utilities
RT Natural Gas
RT Pipelines

NATURAL GAS FIELDS [01]
DA March 11, 1976
UF *Gas Fields*
BT1 Natural Gas Deposits
BT2 Geologic Deposits
BT2 Mineral Resources
BT3 Resources
NT1 Gas Condensate Fields
RT Field Production Equipment
RT Natural Gas Wells
RT Reservoir Fluids
RT Reservoir Rock
RT Well Injection Equipment
RT Well Recovery Equipment
RT Well Spacing
DEF Surface boundary of an area from which commerically valuable natural gas is obtained.

NATURAL GAS FUEL CELLS [01]
DA January 23, 1975
BT1 Fuel Cells
BT2 Direct Energy Converters
BT2 Electrochemical Cells

Natural Gas Gathering Systems
DA January 28, 1977
USE Natural Gas Distribution Systems

NATURAL GAS HYDRATE DEPOSITS
DA January 21, 1983
UF *Methane Hydrate Deposits*
BT1 Geologic Deposits
RT Arctic Regions
RT Gas Hydrates

NATURAL GAS INDUSTRY [01]
DA November 28, 1975
BT1 Industry
NT1 LNG Industry
RT FERC Gas Areas
RT Gas Utilities
RT Natural Gas
RT Natural Gas Processing Plants
RT US Natural Gas Policy Act

NATURAL GAS LIQUIDS [01]
DA June 30, 1975
UF *Natural Gasoline*
UF *NGL*
BT1 Liquids
BT2 Fluids
NT1 Gas Condensates
NT1 Lease Condensates
NT1 Liquefied Petroleum Gases
NT1 Plant Condensates
RT Liquefied Natural Gas
DEF Liquid hydrocarbon mixtures that are gaseous at reservoir temperatures and pressures, but are recoverable by condensation or absorption. Natural gasoline and liquefied petroleum gases fall into this category.

Natural Gas Policy Act
(Prior to February 1992 this was a valid descriptor.)
DA May 6, 1980
USE US Natural Gas Policy Act

NATURAL GAS PROCESSING PLANTS [01]
DA July 7, 1976
UF *Natural Gasoline Plants*
BT1 Industrial Plants
RT Natural Gas Industry

NATURAL GAS WELLS [01]
DA October 1, 1975
UF *Gas Wells*
BT1 Wells
RT Abandoned Wells
RT Blowout Preventers
RT Drill Stem Testing
RT Dry Holes
RT Exploratory Wells
RT Field Production Equipment
RT Gas Condensate Wells
RT Hydraulic Equipment
RT Interstitial Water
RT Natural Gas
RT Natural Gas Fields
RT Packings
RT Perforation
RT Propping Agents
RT Rod Pumps
RT Sand Consolidation
RT Water Influx
RT Well Completion
RT Well Injection Equipment
RT Well Pressure
RT Well Recovery Equipment
RT Well Servicing
RT Wellhead Prices
RT Wellheads

Natural Gasoline
DA July 7, 1976
USE Natural Gas Liquids

Natural Gasoline Plants
DA July 7, 1976
USE Natural Gas Processing Plants

→**NATURAL KILLER CELLS [01]**
DA February 14, 1992
BT1 Leukocytes
BT2 Blood Cells
BT3 Blood
BT4 Body Fluids
BT5 Biological Materials
BT6 Materials
RT Immunity
RT Lymphocytes

NATURAL LANGUAGE
(Restricted to computer technology.)
DA September 24, 1985
BT1 Programming Languages
DEF Human language as spoken. English, French, or German are examples of natural languages.

Natural Lighting
DA January 9, 1981
USE Daylighting

Natural Mutations
DA May 1, 1978
USE Spontaneous Mutations

NATURAL NUCLEAR REACTORS [01]
DA February 23, 1979
NT1 Oklo Phenomenon
RT Chain Reactions
RT Criticality
RT Reactors
RT Uranium Ores

NATURAL OCCURRENCE [01]
DA April 8, 1975
RT Earth Crust
RT Element Abundance
RT Geochemistry
RT Isotope Ratio
RT Ore Composition

NATURAL RADIOACTIVITY [01]
(For unspecified naturally occurring radioisotopes only; not for BACKGROUND RADIATION.)
DA December 1, 1974
UF *Natural Activity*
BT1 Radioactivity
RT Background Radiation
RT Daughter Products
RT Gamma Logging
RT Polonium
RT Potassium 40
RT Radium
RT Radon
RT Thorium
RT Uranium

NATURAL RUBBER [01]
DA December 1, 1974
UF *Rubber (Natural)*
BT1 Rubbers
BT2 Elastomers
BT3 Polymers
BT2 Organic Polymers
BT3 Organic Compounds
BT3 Polymers
RT Dielectric Materials
RT Guayule
RT Rabbit Brush
RT Rubber Trees

NATURAL STEAM [01]
DA January 23, 1975
UF *Geothermal Steam*
BT1 Geothermal Fluids
BT2 Fluids
BT1 Steam
DEF Geothermal steam-contains incondensible gases (typically CO_2 and H_2S) with minor amounts of other gases.

NATURAL UNITS [01]
(Based on fundamental constants.)
DA December 1, 1974
BT1 Units
NT1 Uniton
RT Fundamental Constants

NATURAL URANIUM [01]
DA December 1, 1974
BT1 Uranium
BT2 Actinides
BT3 Metals
BT4 Elements

NATURAL URANIUM REACTORS [01]
(Reactors primarily fuelled with NATURAL URANIUM.)
DA December 1, 1974
BT1 Reactors
NT1 Agesta Reactor
NT1 AQUILON Reactor
NT1 Atucha-2 Reactor
NT1 Atucha Reactor
NT1 BEPO Reactor
NT1 Bohunice A-1 Reactor
NT1 Bohunice A-2 Reactor
NT1 BR-1 Reactor
NT1 Bruce-1 Reactor
NT1 Bruce-2 Reactor
NT1 Bruce-3 Reactor
NT1 Bruce-4 Reactor
NT1 Bruce-5 Reactor
NT1 Bruce-6 Reactor
NT1 Bruce-7 Reactor
NT1 Bruce-8 Reactor
NT1 Cernavoda-1 Reactor
NT1 Cesar Reactor
NT1 Cirus Reactor
NT1 Cordoba Reactor
NT1 CP-2 Reactor
NT1 CP-3 Reactor
NT1 Darlington-4 Reactor
NT1 Dhruva Reactor
NT1 Diorit Reactor
NT1 Douglas Point Ontario Reactor
NT1 ECO Reactor
NT1 EL-1 Reactor
NT1 EL-2 Reactor
NT1 ESSOR Reactor
NT1 F-1 Reactor
NT1 FR-2 Reactor
NT1 Gentilly-2 Reactor
NT1 Gentilly Reactor
NT1 Gleep Reactor
NT1 HEW-305 Reactor
NT1 JATR Reactor
NT1 JRR-3 Reactor
NT1 Kaiga-1 Reactor
NT1 Kaiga-2 Reactor
NT1 Kakrapar-1 Reactor
NT1 Kakrapar-2 Reactor
NT1 KANUPP Reactor
* **NT1** Magnox Type Reactors
NT1 Marius Reactor
NT1 MZFR Reactor
NT1 Narora-1 Reactor
NT1 Narora-2 Reactor
NT1 NPD Reactor
NT1 NRU Reactor
NT1 NRX Reactor
NT1 Pickering-1 Reactor
NT1 Pickering-2 Reactor
NT1 Pickering-3 Reactor
NT1 Pickering-4 Reactor
NT1 Pickering-5 Reactor
NT1 Pickering-6 Reactor
NT1 Pickering-7 Reactor
NT1 Pickering 8 Reactor
NT1 Point Lepreau-1 Reactor
NT1 Point Lepreau-2 Reactor
NT1 PSE Reactor
NT1 R-1 Reactor
NT1 R-B Reactor
NT1 Rajasthan-1 Reactor
NT1 Rajasthan-2 Reactor
NT1 Rajasthan-3 Reactor
NT1 Rajasthan-4 Reactor
NT1 Taiwan Research Reactor
NT1 Windscale Production Reactors
NT1 Wolsung-1 Reactor
NT1 Wolsung-2 Reactor
NT1 X-10 Reactor
NT1 ZED-2 Reactor
NT1 ZEEP Reactor
NT1 Zephyr Reactor
RT EBR-1 Reactor
RT EOLE Reactor
RT Nora Reactor
RT PDP Reactor

NATURE RESERVES [01]
DA August 7, 1978
UF *Environmental Parks*
UF *Wilderness Areas*
BT1 Resources
RT Biosphere
RT Ecosystems
RT Environment
RT Land Use
RT Wilderness Protection Acts

NAURU [01]
DA November 24, 1987
BT1 Micronesia
BT2 Islands
BT2 Oceania
RT Pacific Ocean

NAUSEA [01]
DA December 1, 1974
BT1 Symptoms
RT Digestive System Diseases

Naval Oil Shale Reserves
(Prior to February 1992 this was a valid descriptor.)
DA March 23, 1983
USE US Naval Oil Shale Reserves

Naval Petroleum Reserve
(Prior to February 1992 this was a valid descriptor.)
DA October 3, 1979
USE US Naval Petroleum Reserves

Naval Reactors
DA April 14, 1980
USE Ship Propulsion Reactors

NAVAL RESEARCH LABORATORY [01]
DA December 1, 1974
BT1 US Organizations
BT2 National Organizations

Navier-Stokes Equation
(Prior to August 1980, this was a valid descriptor and older material is so indexed.)
DA August 25, 1980
USE Navier-Stokes Equations

NAVIER-STOKES EQUATIONS [01]
DA December 1, 1974
UF *Navier-Stokes Equation*
BT1 Partial Differential Equations
BT2 Differential Equations
BT3 Equations
RT Equations of Motion
RT Fluid Mechanics
RT Incompressible Flow
RT Viscous Flow

NAVIGATION [01]
DA March 29, 1982
RT Aircraft
RT Barges
RT Ships
RT Transport
DEF Steering a course.

NAVIGATIONAL INSTRUMENTS [01]
DA December 1, 1974
RT Buoys
RT Electronic Guidance
RT Inertial Guidance
RT Rockets
RT Ships
RT Space Vehicles

NBI CYCLOTRON [01]
DA July 19, 1985
UF *Niels Bohr Institute Cyclotron*
BT1 Cyclotrons
BT2 Cyclic Accelerators
BT3 Accelerators

NBS Synchrotron Ultraviolet Radiation Facility
DA August 20, 1984
USE SURF II Storage Ring

NBSR REACTOR [01]
(National Bureau of Standards, Washington, D.C., USA.)
DA December 1, 1974
UF *National Bureau Of Standards Reactor*
UF *US NBS Reactor*
BT1 Heavy Water Cooled Reactors
BT2 Reactors
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Materials Testing Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

NCSCR-1 REACTOR [01]
DA December 1, 1974
UF *North Carolina State College Research Reactor-1*
UF *Raleigh-NCSC Research Reactor-1*
BT1 Aqueous Homogeneous Reactors
BT2 Liquid Homogeneous Reactors
BT3 Fluid Fueled Reactors
BT4 Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors

NCSR [01]
(National Centre of Systems Reliability.)
DA June 7, 1976
BT1 United Kingdom Organizations
BT2 National Organizations
RT Systems Analysis

NCUSPR Reactor
DA December 1, 1974
USE Pulstar-Raleigh Reactor

NDA Remote Experiment Station
DA December 1, 1974
USE PRR Reactor

NEA [01]
DA December 1, 1974
UF *Nuclear Energy Agency*
BT1 OECD
BT2 International Organizations
NT1 ENEA

NEAR INFRARED RADIATION [01]
DA December 1, 1974
BT1 Infrared Radiation
BT2 Electromagnetic Radiation
BT3 Radiations

NEAR ULTRAVIOLET RADIATION [01]
(Wavelength range 4000-2000 A.)
DA December 1, 1974
BT1 Ultraviolet Radiation
BT2 Electromagnetic Radiation
BT3 Radiations

NEBRASKA [01]
DA December 1, 1974
BT1 USA
BT2 Developed Countries
BT2 North America
RT Missouri River
RT North Platte River Basin

NEBULAE [01]
DA December 1, 1974
NT1 Crab Nebula
NT1 Planetary Nebulae
NT1 Solar Nebula
RT Cosmic Dust
RT Cosmic Gases
RT Galaxies
RT H2 Regions
RT Herbig-Haro Objects

NEC COMPUTERS [01]
DA October 24, 1984
BT1 Computers
RT Supercomputers
DEF Computers manufactured by Nippon Electric Company Ltd.

NECK [01]
DA December 1, 1974
BT1 Body Areas
BT2 Body
RT Carotid Arteries
RT Larynx
RT Parathyroid Glands
RT Pharynx
RT Thyroid

→**NECKAR-1 REACTOR [01]**
(Prior to June 1992, this information was indexed by NECKAR REACTOR.)
DA June 22, 1992
UF *Gemeinschaftskernkraftwerk Neckar*
UF *GKN-1 Reactor (Neckar)*
SF *GKN Reactor (Neckar)*
SF *Neckar Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

NECKAR-2 REACTOR [01]
DA November 23, 1979
UF *GKN-2 Reactor (Neckar)*
SF *GKN Reactor (Neckar)*
SF *Neckar Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

Neckar Reactor
(Prior to June 1992, this was a valid descriptor.)
DA December 1, 1974
SEE Neckar-1 Reactor
OR Neckar-2 Reactor

NECROSIS [01]
DA December 1, 1974
BT1 Pathological Changes
NT1 Gangrene
NT1 Osteoradionecrosis
RT Fistulae
RT Ischemia
RT Ulcers
RT Wounds

NEEDLE CHAMBERS [01]
DA June 16, 1975
BT1 Proportional Counters
BT2 Radiation Detectors
BT3 Measuring Instruments

Neel Point
DA December 1, 1974
USE Neel Temperature

NEEL TEMPERATURE [01]
DA December 1, 1974
UF *Neel Point*
BT1 Transition Temperature
BT2 Thermodynamic Properties
BT3 Physical Properties
RT Antiferromagnetism
RT Magnetic Susceptibility

NEGATIVE ENERGY STATES [01]
DA December 1, 1974
BT1 Energy Levels

Negative Ions
DA December 1, 1974
USE Anions

NEGATIVE MASS [01]
DA December 1, 1974
BT1 Hypothesis
BT1 Mass
RT Relativity Theory

NEGATIVE MASS EFFECT [01]
DA December 1, 1974
RT Beam Dynamics
RT Negative Mass Instability
RT Plasma Instability

NEGATIVE MASS INSTABILITY [01]
DA December 1, 1974
BT1 Plasma Microinstabilities
BT2 Plasma Instability
BT3 Instability
RT Negative Mass Effect

Negatons
DA December 1, 1974
USE Electrons

Negatrons
DA December 1, 1974
USE Electrons

NEGEV NUCLEAR RESEARCH CENTER [01]
DA November 23, 1979
BT1 Israel Atomic Energy Commission
BT2 Israeli Organizations
BT3 National Organizations

NEGOTIATION [01]
DA July 9, 1987
RT Adversaries
RT Agreements
RT Mediation
RT Treaties
DEF Action or process of conferring with others through conference, discussion, and compromise.

NELKIN THEORY [01]
DA December 1, 1974
BT1 Transport Theory

NELSON RIVER [01]
DA October 28, 1975
BT1 Rivers
BT2 Streams
BT3 Surface Waters
RT Canada

NEM [01]
DA August 24, 1976
UF *N-Ethyl Maleimide*
BT1 Antimitotic Drugs
BT2 Drugs
BT1 Imides
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
BT1 Radiosensitizers
BT2 Drugs

Nemata
DA May 31, 1985
USE Nematodes

NEMATODES [01]
DA December 1, 1974
UF *Nemata*
UF *Worms (Round)*
BT1 Aschelminthes
BT2 Helminths
BT3 Parasites
NT1 Ascaridae
NT2 Ascaris
NT1 Dictyocaulus
NT1 Hookworm
NT2 Nippostrongylus
NT1 Syngamus
NT1 Trichinella
RT Filariasis

NEMBUTAL [01]
DA December 1, 1974
UF *Pentobarbital*
BT1 Barbiturates
BT2 Anesthetics
BT3 Central Nervous System Depressants
BT4 Drugs
BT2 Hypnotics and Sedatives
BT3 Central Nervous System Depressants
BT4 Drugs
BT2 Organic Oxygen Compounds
BT3 Organic Compounds
BT2 Pyrimidines
BT3 Azines
BT4 Heterocyclic Compounds
BT5 Organic Compounds
BT4 Organic Nitrogen Compounds
BT5 Organic Compounds

NEOCARCINOSTATIN [01]
DA January 24, 1980
BT1 Antibiotics
BT2 Anti-Infective Agents
BT3 Drugs
BT1 Antineoplastic Drugs
BT2 Drugs
BT1 Radiomimetic Drugs
BT2 Drugs
RT Antimitotic Drugs
RT Chemotherapy
RT Mutagens

NEOCLASSICAL TRANSPORT THEORY [01]
DA January 30, 1979
BT1 Transport Theory
RT Banana Regime
RT Bootstrap Current
RT Pfirsch-Schlueter Regime
RT Plasma
RT Plateau Regime

NEOCUPFERRON
DA April 8, 1975
UF *Naphthylhydroxylamine, N-Nitroso-*
BT1 Hydroxylamine
BT2 Amines
BT3 Organic Compounds

NEODYMIUM [01]
DA December 1, 1974
BT1 Rare Earths
BT2 Metals
BT3 Elements

NEODYMIUM 127 [01]
DA November 6, 1984
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Neodymium Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

NEODYMIUM 128 [01]
DA November 6, 1984
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Neodymium Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

NEODYMIUM 129 [01]
DA October 20, 1977
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Neodymium Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

NEODYMIUM 130 [01]
DA January 24, 1975
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Neodymium Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

NEODYMIUM 131 [01]
DA October 20, 1977
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Neodymium Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

NEODYMIUM 132 [01]
DA October 20, 1977
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Neodymium Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

NEODYMIUM 133 [01]
DA October 20, 1977
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Neodymium Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

NEODYMIUM 134 [01]
DA February 19, 1975
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes

BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Neodymium Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

NEODYMIUM 135 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Neodymium Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

NEODYMIUM 136 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Neodymium Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

NEODYMIUM 137 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Neodymium Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

NEODYMIUM 138 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Neodymium Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

NEODYMIUM 139 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Neodymium Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

NEODYMIUM 140 [01]
DA December 1, 1974
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Neodymium Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

NEODYMIUM 141 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Neodymium Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

NEODYMIUM 142 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Neodymium Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

NEODYMIUM 142 REACTIONS [01]
DA February 10, 1984
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

NEODYMIUM 142 TARGET [01]
DA July 9, 1976
BT1 Targets

NEODYMIUM 143 [01]
DA December 1, 1974
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Neodymium Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

NEODYMIUM 143 TARGET [01]
DA July 9, 1976
BT1 Targets

NEODYMIUM 144 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Neodymium Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

NEODYMIUM 144 TARGET [01]
DA July 9, 1976
BT1 Targets

NEODYMIUM 145 [01]
DA December 1, 1974
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Neodymium Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

NEODYMIUM 145 TARGET [01]
DA July 9, 1976
BT1 Targets

NEODYMIUM 146 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Neodymium Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

NEODYMIUM 146 TARGET [01]
DA July 9, 1976
BT1 Targets

NEODYMIUM 147 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Neodymium Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

NEODYMIUM 147 TARGET [01]
DA August 12, 1980
BT1 Targets

NEODYMIUM 148 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Neodymium Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Stable Isotopes
BT2 Isotopes

NEODYMIUM 148 TARGET [01]
DA July 9, 1976
BT1 Targets

NEODYMIUM 149 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Neodymium Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

NEODYMIUM 149 TARGET [01]
DA August 12, 1980
BT1 Targets

NEODYMIUM 150 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Neodymium Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
RT Neodymium 150 Reactions

NEODYMIUM 150 REACTIONS [01]
DA June 30, 1975
BT1 Heavy Ion Reactions
BT2 Charged Particle Reactions
BT3 Nuclear Reactions
RT Neodymium 150

NEODYMIUM 150 TARGET [01]
DA July 9, 1976
BT1 Targets

NEODYMIUM 151 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Neodymium Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

NEODYMIUM 152 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Neodymium Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

NEODYMIUM 153 [01]
DA October 2, 1987
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Neodymium Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

NEODYMIUM 154 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Neodymium Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

NEODYMIUM 155 [01]
DA September 18, 1987
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Neodymium Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

NEODYMIUM 156 [01]
DA October 2, 1987
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Neodymium Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

NEODYMIUM ADDITIONS [01]
DA December 1, 1974
BT1 Neodymium Alloys
BT2 Rare Earth Alloys
BT3 Alloys
BT1 Rare Earth Additions
BT2 Rare Earth Alloys
BT3 Alloys

NEODYMIUM ALLOYS [01]
DA December 1, 1974
BT1 Rare Earth Alloys
BT2 Alloys
NT1 Neodymium Additions
NT1 Neodymium Base Alloys

NEODYMIUM BASE ALLOYS [01]
DA December 1, 1974
BT1 Neodymium Alloys
BT2 Rare Earth Alloys
BT3 Alloys

NEODYMIUM BORIDES [01]
DA December 1, 1974
BT1 Borides
BT2 Boron Compounds
BT1 Neodymium Compounds
BT2 Rare Earth Compounds

NEODYMIUM BROMIDES [01]
DA December 1, 1974
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Neodymium Compounds
BT2 Rare Earth Compounds

NEODYMIUM CARBIDES [01]
DA December 1, 1974
BT1 Carbides
BT2 Carbon Compounds
BT1 Neodymium Compounds
BT2 Rare Earth Compounds

NEODYMIUM CARBONATES [01]
DA December 1, 1974
BT1 Carbonates
BT2 Carbon Compounds
BT2 Oxygen Compounds
BT1 Neodymium Compounds
BT2 Rare Earth Compounds

NEODYMIUM CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Neodymium Compounds
BT2 Rare Earth Compounds

NEODYMIUM COMPLEXES [01]
DA December 1, 1974
BT1 Rare Earth Complexes
BT2 Complexes

NEODYMIUM COMPOUNDS [01]
DA December 1, 1974
BT1 Rare Earth Compounds
NT1 Neodymium Borides
NT1 Neodymium Bromides
NT1 Neodymium Carbides
NT1 Neodymium Carbonates
NT1 Neodymium Chlorides
NT1 Neodymium Fluorides
NT1 Neodymium Hydrides
NT1 Neodymium Hydroxides
NT1 Neodymium Iodides
NT1 Neodymium Nitrates
NT1 Neodymium Nitrides
NT1 Neodymium Oxides
NT1 Neodymium Perchlorates
NT1 Neodymium Phosphates
NT1 Neodymium Silicates
NT1 Neodymium Silicides
NT1 Neodymium Sulfates
NT1 Neodymium Sulfides
NT1 Neodymium Tellurides
NT1 Neodymium Tungstates

NEODYMIUM FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Neodymium Compounds
BT2 Rare Earth Compounds

NEODYMIUM HYDRIDES [01]
DA December 1, 1974
BT1 Hydrides
BT2 Hydrogen Compounds
BT1 Neodymium Compounds
BT2 Rare Earth Compounds

NEODYMIUM HYDROXIDES [01]
DA December 1, 1974
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds
BT1 Neodymium Compounds
BT2 Rare Earth Compounds

NEODYMIUM IODIDES [01]
DA December 1, 1974
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds
BT1 Neodymium Compounds
BT2 Rare Earth Compounds

NEODYMIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

NEODYMIUM ISOTOPES [01]
DA December 1, 1974
NT1 Neodymium 127
NT1 Neodymium 128
NT1 Neodymium 129
NT1 Neodymium 130
NT1 Neodymium 131
NT1 Neodymium 132
NT1 Neodymium 133
NT1 Neodymium 134
NT1 Neodymium 135
NT1 Neodymium 136
NT1 Neodymium 137
NT1 Neodymium 138
NT1 Neodymium 139
NT1 Neodymium 140
NT1 Neodymium 141
NT1 Neodymium 142
NT1 Neodymium 143
NT1 Neodymium 144
NT1 Neodymium 145
NT1 Neodymium 146
NT1 Neodymium 147
NT1 Neodymium 148
NT1 Neodymium 149
NT1 Neodymium 150
NT1 Neodymium 151
NT1 Neodymium 152
NT1 Neodymium 153
NT1 Neodymium 154
NT1 Neodymium 155
NT1 Neodymium 156

NEODYMIUM LASERS [01]
DA December 1, 1974
BT1 Solid State Lasers
BT2 Lasers
RT Gekko Facility
RT Nova Facility
RT Novette Facility
RT Octal 82 Facility
RT Omega Facility
RT Phebus Facility
RT Shiva Facility

NEODYMIUM NITRATES [01]
DA December 1, 1974
BT1 Neodymium Compounds
BT2 Rare Earth Compounds
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds

NEODYMIUM NITRIDES [01]
DA December 1, 1974
BT1 Neodymium Compounds
BT2 Rare Earth Compounds
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides

NEODYMIUM OXIDES [01]
DA December 1, 1974
BT1 Neodymium Compounds
BT2 Rare Earth Compounds
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds

NEODYMIUM PERCHLORATES [01]
DA January 24, 1975
BT1 Neodymium Compounds
BT2 Rare Earth Compounds
BT1 Perchlorates
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Oxygen Compounds

NEODYMIUM PHOSPHATES [01]
DA December 1, 1974
BT1 Neodymium Compounds
BT2 Rare Earth Compounds
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds

NEODYMIUM SILICATES [01]
DA December 1, 1974
BT1 Neodymium Compounds
BT2 Rare Earth Compounds
BT1 Silicates
BT2 Oxygen Compounds
BT2 Silicon Compounds

NEODYMIUM SILICIDES [01]
DA May 15, 1975
BT1 Neodymium Compounds
BT2 Rare Earth Compounds
BT1 Silicides
BT2 Silicon Compounds

NEODYMIUM SULFATES [01]
DA December 1, 1974
BT1 Neodymium Compounds
BT2 Rare Earth Compounds
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds

NEODYMIUM SULFIDES [01]
DA December 1, 1974
BT1 Neodymium Compounds
BT2 Rare Earth Compounds
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds

NEODYMIUM TELLURIDES [01]
DA January 24, 1975
BT1 Neodymium Compounds
BT2 Rare Earth Compounds
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds

NEODYMIUM TUNGSTATES [01]
DA June 2, 1977
BT1 Neodymium Compounds
BT2 Rare Earth Compounds
BT1 Tungstates

Neogene Period
DA October 20, 1977
USE Tertiary Period

NEOHYDRIN [01]
DA December 1, 1974
UF *Chlormerodrin*
BT1 Diuretics
BT2 Drugs

NEOMYCIN
DA April 20, 1981
BT1 Antibiotics
BT2 Anti-Infective Agents
BT3 Drugs

NEON [01]
DA December 1, 1974
BT1 Rare Gases
BT2 Gases
BT3 Fluids
BT2 Nonmetals
BT3 Elements

NEON 16 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Neon Isotopes
BT2 Isotopes

NEON 17 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Neon Isotopes
BT2 Isotopes

NEON 18 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Neon Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

NEON 19 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Neon Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

NEON 19 BEAMS [01]
DA December 2, 1988
BT1 Radioactive Ion Beams
BT2 Ion Beams
BT3 Beams

NEON 20 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Neon Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes
RT Neon 20 Beams
RT Neon 20 Reactions

NEON 20 BEAMS [01]
DA December 1, 1974
BT1 Ion Beams
BT2 Beams
RT Neon 20

NEON 20 REACTIONS [01]
DA December 1, 1974
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions
RT Neon 20

NEON 20 TARGET [01]
DA July 9, 1976
BT1 Targets

NEON 21 [01]
DA December 1, 1974
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Neon Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

NEON 21 TARGET [01]
DA July 9, 1976
BT1 Targets

NEON 22 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Neon Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes
RT Neon 22 Beams
RT Neon 22 Reactions

NEON 22 BEAMS [01]
DA December 1, 1974
BT1 Ion Beams
BT2 Beams
RT Neon 22

NEON 22 REACTIONS [01]
DA December 1, 1974
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions
RT Neon 22

NEON 22 TARGET [01]
DA July 9, 1976
BT1 Targets

NEON 23 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Neon Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

NEON 24 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Neon Isotopes
BT2 Isotopes

NEON 24 DECAY RADIOISOTOPES [01]
DA June 23, 1989
BT1 Heavy Ion Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
NT1 Protactinium 231
NT1 Thorium 230
NT1 Uranium 232
NT1 Uranium 233
NT1 Uranium 234
RT Neon 24 Emission Decay

NEON 24 EMISSION DECAY [01]
DA June 23, 1989
BT1 Heavy Ion Emission Decay
BT2 Nuclear Decay
BT3 Decay
RT Neon 24 Decay Radioisotopes

NEON 25 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Neon Isotopes
BT2 Isotopes

NEON 26 [01]
DA February 19, 1975
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Neon Isotopes
BT2 Isotopes

NEON 27 [01]
DA January 24, 1975
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Neon Isotopes
BT2 Isotopes

NEON 28 [01]
DA April 11, 1979
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Neon Isotopes
BT2 Isotopes

NEON 29 [01]
DA October 25, 1985
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Neon Isotopes
BT2 Isotopes
BT1 Neutron-Rich Isotopes
BT2 Radioisotopes
BT3 Isotopes

NEON 29 REACTIONS [01]
DA July 23, 1985
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

NEON 30 [01]
DA October 25, 1985
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Neon Isotopes
BT2 Isotopes
BT1 Neutron-Rich Isotopes
BT2 Radioisotopes
BT3 Isotopes

NEON 32 [01]
DA August 6, 1990
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Neon Isotopes
BT2 Isotopes

NEON CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Neon Compounds
BT2 Rare Gas Compounds

NEON COMPLEXES [01]
DA December 1, 1974
BT1 Complexes

NEON COMPOUNDS [01]
DA December 1, 1974
BT1 Rare Gas Compounds
NT1 Neon Chlorides
NT1 Neon Fluorides
NT1 Neon Hydrides
NT1 Neon Iodides
NT1 Neon Oxides

NEON FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Neon Compounds
BT2 Rare Gas Compounds

NEON HYDRIDES [01]
DA December 1, 1974
BT1 Hydrides
BT2 Hydrogen Compounds
BT1 Neon Compounds
BT2 Rare Gas Compounds

NEON IODIDES [01]
DA December 1, 1974
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds
BT1 Neon Compounds
BT2 Rare Gas Compounds

NEON IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

NEON ISOTOPES [01]
DA December 1, 1974
BT1 Isotopes
NT1 Neon 16
NT1 Neon 17
NT1 Neon 18
NT1 Neon 19
NT1 Neon 20
NT1 Neon 21
NT1 Neon 22
NT1 Neon 23
NT1 Neon 24
NT1 Neon 25
NT1 Neon 26
NT1 Neon 27
NT1 Neon 28
NT1 Neon 29
NT1 Neon 30
NT1 Neon 32

NEON OXIDES [01]
DA December 1, 1974
BT1 Neon Compounds
BT2 Rare Gas Compounds
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds

NEONATES [01]
DA March 11, 1976
SF *Newborns*
BT1 Animals

RT Infants
DEF Newborn Animals.

Neopentane
DA December 1, 1974
USE 2-2-Dimethylpropane

NEOPLASMS [01]
DA December 1, 1974
UF *Cancer*
UF *Malignancies*
UF *Tumors*
BT1 Diseases
NT1 Carcinomas
NT2 Adenomas
NT2 Angiomas
NT2 Epitheliomas
NT3 Melanomas
NT2 Hepatomas
NT1 Gliomas
NT2 Astrocytomas
NT1 Granulomas
NT1 Leukemia
NT2 Myeloid Leukemia
NT1 Lymphomas
NT2 Hodgkins Disease
NT2 Lymphosarcomas
NT1 Sarcomas
NT2 Fibrosarcomas
NT2 Lymphosarcomas
NT2 Myosarcomas
NT3 Rhabdomyosarcomas
NT2 Osteosarcomas
RT Antimitotic Drugs
RT Antineoplastic Drugs
RT Ascites
RT Ascites Tumor Cells
RT Carcinoembryonic Antigen
RT Carcinogenesis
RT Carcinogens
RT Combined Therapy
RT Delayed Radiation Effects
RT Experimental Neoplasms
RT Metastases
RT Radioimmunodetection
RT Tumor Cells
RT Tumor Promoters

NEOPRENE [01]
DA December 1, 1974
UF *2-Chloro-1,3-Butadiene*
UF *Chlorobutadiene*
UF *Chloroprene*
BT1 Elastomers
BT2 Polymers
BT1 Organic Chlorine Compounds
BT2 Organic Halogen Compounds
BT3 Organic Compounds
BT1 Organic Polymers
BT2 Organic Compounds
BT2 Polymers
RT Butadiene

NEP-1 REACTOR [01]
DA January 28, 1977
UF *New England Power Company Nuclear Project-1*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

NEP-2 REACTOR [01]
DA January 28, 1977
UF *New England Power Company Nuclear Project-2*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

NEPA
DA June 30, 1975
USE US National Environmental Policy Act

NEPAL [01]
DA December 1, 1974
BT1 Asia
BT1 Developing Countries

NEPHELINE BASALTS
DA August 12, 1980
BT1 Volcanic Rocks
BT2 Igneous Rocks
BT3 Rocks
RT Basalt

NEPHRECTOMY [01]
DA December 1, 1974
BT1 Surgery
BT2 Medicine
RT Kidneys

NEPHRITIS [01]
DA December 1, 1974
BT1 Urogenital System Diseases
BT2 Diseases
RT Kidneys

NEPHROSCLEROSIS [01]
DA December 1, 1974
BT1 Urogenital System Diseases
BT2 Diseases
BT1 Vascular Diseases
BT2 Diseases
RT Kidneys

Nepotism
DA March 23, 1983
SEE Personnel Management

NEPTEX PROCESS [01]
DA December 1, 1974
BT1 Reprocessing
BT2 Separation Processes
RT Solvent Extraction

NEPTUNE PLANET [01]
DA December 1, 1974
BT1 Planets

NEPTUNE REACTOR [01]
DA December 1, 1974
UF *Derby ZPR Neptune*
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

NEPTUNIUM [01]
DA December 1, 1974
BT1 Actinides
BT2 Metals
BT3 Elements
BT1 Transuranium Elements
BT2 Elements
NT1 Neptunium-Alpha
NT1 Neptunium-Beta
NT1 Neptunium-Gamma

→**NEPTUNIUM 225 [01]**
DA March 24, 1992
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Neptunium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

→**NEPTUNIUM 226 [01]**
DA January 15, 1991
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Neptunium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

NEPTUNIUM 227 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Neptunium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

NEPTUNIUM 228 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Neptunium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

NEPTUNIUM 229 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Neptunium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

NEPTUNIUM 230 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Neptunium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

NEPTUNIUM 231 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BT1 Neptunium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

NEPTUNIUM 232 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Neptunium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

NEPTUNIUM 232 TARGET [01]
DA August 24, 1976
BT1 Targets

NEPTUNIUM 233 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Neptunium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

NEPTUNIUM 234 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Neptunium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

NEPTUNIUM 235 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Neptunium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

NEPTUNIUM 236 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Neptunium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

NEPTUNIUM 236 TARGET [01]
DA August 4, 1981
BT1 Targets

NEPTUNIUM 237 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Nanosec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Neptunium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

NEPTUNIUM 237 TARGET [01]
DA July 9, 1976
BT1 Targets

NEPTUNIUM 238 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Neptunium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

NEPTUNIUM 238 TARGET [01]
DA March 8, 1978
BT1 Targets

NEPTUNIUM 239 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Neptunium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

NEPTUNIUM 239 TARGET [01]
DA August 9, 1979
BT1 Targets

NEPTUNIUM 240 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Neptunium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

NEPTUNIUM 241 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Neptunium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

NEPTUNIUM 242 [01]
DA July 24, 1979
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Neptunium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

NEPTUNIUM 243 [01]
DA April 12, 1979
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes

BT3 Isotopes
BT1 Neptunium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

NEPTUNIUM 244 [01]
DA May 1, 1987
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Neptunium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

NEPTUNIUM ADDITIONS [01]
DA December 1, 1974
BT1 Neptunium Alloys
BT2 Actinide Alloys
BT3 Alloys

NEPTUNIUM ALLOYS [01]
DA December 1, 1974
BT1 Actinide Alloys
BT2 Alloys
NT1 Neptunium Additions
NT1 Neptunium Base Alloys

NEPTUNIUM-ALPHA [01]
DA December 1, 1974
BT1 Neptunium
BT2 Actinides
BT3 Metals
BT4 Elements
BT2 Transuranium Elements
BT3 Elements

NEPTUNIUM ARSENIDES [01]
DA January 24, 1975
BT1 Arsenides
BT2 Arsenic Compounds
BT2 Pnictides
BT1 Neptunium Compounds
BT2 Actinide Compounds
BT2 Transuranium Compounds

NEPTUNIUM BASE ALLOYS [01]
DA December 1, 1974
BT1 Neptunium Alloys
BT2 Actinide Alloys
BT3 Alloys

NEPTUNIUM-BETA [01]
DA December 1, 1974
BT1 Neptunium
BT2 Actinides
BT3 Metals
BT4 Elements
BT2 Transuranium Elements
BT3 Elements

NEPTUNIUM BORIDES [01]
DA April 8, 1975
BT1 Borides
BT2 Boron Compounds
BT1 Neptunium Compounds
BT2 Actinide Compounds
BT2 Transuranium Compounds

NEPTUNIUM BROMIDES [01]
DA December 1, 1974
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Neptunium Compounds
BT2 Actinide Compounds
BT2 Transuranium Compounds

NEPTUNIUM CARBIDES [01]
DA December 1, 1974
BT1 Carbides
BT2 Carbon Compounds
BT1 Neptunium Compounds
BT2 Actinide Compounds
BT2 Transuranium Compounds

NEPTUNIUM CARBONATES [01]
DA December 1, 1974
BT1 Carbonates
BT2 Carbon Compounds
BT2 Oxygen Compounds
BT1 Neptunium Compounds
BT2 Actinide Compounds
BT2 Transuranium Compounds

NEPTUNIUM CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Neptunium Compounds
BT2 Actinide Compounds
BT2 Transuranium Compounds

NEPTUNIUM COMPLEXES [01]
DA December 1, 1974
BT1 Actinide Complexes
BT2 Complexes
BT1 Transuranium Complexes
NT1 Neptunyl Complexes

NEPTUNIUM COMPOUNDS [01]
DA December 1, 1974
BT1 Actinide Compounds
BT1 Transuranium Compounds
NT1 Neptunium Arsenides
NT1 Neptunium Borides
NT1 Neptunium Bromides
NT1 Neptunium Carbides
NT1 Neptunium Carbonates
NT1 Neptunium Chlorides
NT1 Neptunium Fluorides
NT1 Neptunium Hydrides
NT1 Neptunium Hydroxides
NT1 Neptunium Iodides
NT1 Neptunium Nitrates
NT1 Neptunium Nitrides
NT1 Neptunium Oxides
NT1 Neptunium Perchlorates
NT1 Neptunium Phosphates
NT1 Neptunium Phosphides
NT1 Neptunium Selenides
NT1 Neptunium Sulfates
NT1 Neptunium Sulfides
NT1 Neptunium Tellurides
NT1 Neptunyl Compounds

NEPTUNIUM FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Neptunium Compounds
BT2 Actinide Compounds
BT2 Transuranium Compounds

NEPTUNIUM-GAMMA [01]
DA December 1, 1974
BT1 Neptunium
BT2 Actinides
BT3 Metals
BT4 Elements
BT2 Transuranium Elements
BT3 Elements

NEPTUNIUM HYDRIDES [01]
DA March 11, 1976
BT1 Hydrides
BT2 Hydrogen Compounds
BT1 Neptunium Compounds
BT2 Actinide Compounds
BT2 Transuranium Compounds

NEPTUNIUM HYDROXIDES [01]
DA December 1, 1974
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds
BT1 Neptunium Compounds
BT2 Actinide Compounds
BT2 Transuranium Compounds

NEPTUNIUM IODIDES [01]
DA December 1, 1974
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds
BT1 Neptunium Compounds
BT2 Actinide Compounds
BT2 Transuranium Compounds

NEPTUNIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

NEPTUNIUM ISOTOPES [01]
DA December 1, 1974
BT1 Actinide Isotopes
BT2 Isotopes
NT1 Neptunium 225
NT1 Neptunium 226
NT1 Neptunium 227
NT1 Neptunium 228
NT1 Neptunium 229
NT1 Neptunium 230
NT1 Neptunium 231
NT1 Neptunium 232
NT1 Neptunium 233
NT1 Neptunium 234
NT1 Neptunium 235
NT1 Neptunium 236
NT1 Neptunium 237
NT1 Neptunium 238
NT1 Neptunium 239
NT1 Neptunium 240
NT1 Neptunium 241
NT1 Neptunium 242
NT1 Neptunium 243
NT1 Neptunium 244

NEPTUNIUM NITRATES [01]
DA December 1, 1974
BT1 Neptunium Compounds
BT2 Actinide Compounds
BT2 Transuranium Compounds
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds

NEPTUNIUM NITRIDES [01]
DA December 1, 1974
BT1 Neptunium Compounds
BT2 Actinide Compounds
BT2 Transuranium Compounds
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides

NEPTUNIUM OXIDES [01]
DA December 1, 1974
BT1 Neptunium Compounds
BT2 Actinide Compounds
BT2 Transuranium Compounds
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds

NEPTUNIUM PERCHLORATES [01]
DA January 24, 1975
BT1 Neptunium Compounds
BT2 Actinide Compounds
BT2 Transuranium Compounds
BT1 Perchlorates
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Oxygen Compounds

NEPTUNIUM PHOSPHATES [01]
DA February 23, 1982
BT1 Neptunium Compounds
BT2 Actinide Compounds
BT2 Transuranium Compounds
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds

NEPTUNIUM PHOSPHIDES [01]
DA January 24, 1975
BT1 Neptunium Compounds
BT2 Actinide Compounds
BT2 Transuranium Compounds
BT1 Phosphides
BT2 Phosphorus Compounds
BT2 Pnictides

NEPTUNIUM SELENIDES [01]
DA January 23, 1976
BT1 Neptunium Compounds
BT2 Actinide Compounds
BT2 Transuranium Compounds
BT1 Selenides
BT2 Chalcogenides
BT2 Selenium Compounds

NEPTUNIUM SULFATES [01]
DA December 1, 1974
BT1 Neptunium Compounds
BT2 Actinide Compounds
BT2 Transuranium Compounds
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds

NEPTUNIUM SULFIDES [01]
DA December 1, 1974
BT1 Neptunium Compounds
BT2 Actinide Compounds
BT2 Transuranium Compounds
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds

NEPTUNIUM TELLURIDES [01]
DA January 24, 1975
BT1 Neptunium Compounds
BT2 Actinide Compounds
BT2 Transuranium Compounds
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds

NEPTUNYL COMPLEXES [01]
DA September 15, 1983
BT1 Neptunium Complexes
BT2 Actinide Complexes
BT3 Complexes
BT2 Transuranium Complexes
RT Neptunyl Compounds

NEPTUNYL COMPOUNDS [01]
DA December 1, 1974
BT1 Neptunium Compounds
BT2 Actinide Compounds
BT2 Transuranium Compounds
RT Neptunyl Complexes

NERNST EFFECT [01]
DA December 1, 1974
UF *Nernst-Ettinghausen Effect*
RT Hall Effect
DEF When heat flows across the lines of a magnetic field, an EMF is produced in the mutually perpendicular direction.

Nernst-Ettinghausen Effect
DA December 1, 1974
USE Nernst Effect

NERNST HEAT THEOREM [01]
DA December 1, 1974
RT Thermodynamics

NERVA NRX-A1 Reactor
DA February 20, 1975
USE NRX-A1 Reactor

NERVA NRX-A2 Reactor
DA December 1, 1974
USE NRX-A2 Reactor

NERVA NRX-A3 Reactor
DA December 1, 1974
USE NRX-A3 Reactor

NERVA NRX-A4 Engine System Test Reactor
DA December 1, 1974
USE NRX-A4-Est Reactor

NERVA NRX-A5 Reactor
DA December 1, 1974
USE NRX-A5 Reactor

NERVA NRX-A6 Reactor
DA December 1, 1974
USE NRX-A6 Reactor

NERVA NRX-A7 Reactor
DA February 20, 1975
USE NRX-A7 Reactor

NERVA Nuclear Rocket Engine
DA December 1, 1974
USE NERVA Reactor

NERVA REACTOR [01]
DA December 1, 1974
UF *NERVA Nuclear Rocket Engine*
BT1 Hydrogen Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Space Propulsion Reactors
BT2 Propulsion Reactors
BT3 Reactors
BT2 Space Power Reactors
BT3 Mobile Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors
RT XE-2 Reactor

NERVE CELLS [01]
DA December 1, 1974
UF *Axons*
UF *Neurons*
BT1 Somatic Cells
BT2 Animal Cells
RT Bioelectricity
RT Myelin
RT Nerve Tissue
RT Nervous System
RT Receptors

NERVE TISSUE [01]
DA December 1, 1974
BT1 Animal Tissues
BT2 Tissues
BT3 Body
RT Nerve Cells
RT Nerves

NERVES [01]
DA December 1, 1974
BT1 Nervous System
NT1 Sciatic Nerve
NT1 Vagus
RT Herpes Zoster
RT Myelin
RT Nerve Tissue
RT Reflexes

NERVOUS SYSTEM [01]
DA December 1, 1974
NT1 Autonomic Nervous System
NT2 Vagus
NT1 Central Nervous System
NT2 Brain
NT3 Cerebellum
NT3 Cerebrum
NT4 Cerebral Cortex
NT3 Hippocampus
NT3 Hypothalamus
NT3 Olfactory Bulbs
NT3 Thalamus
NT2 Spinal Cord
NT1 Ganglions
NT1 Nerves
NT2 Sciatic Nerve
NT2 Vagus
RT Nerve Cells
RT Nervous System Diseases
RT Organs
RT Pain
RT Poliomyelitis
RT Reflexes
RT Retina
RT Sense Organs

NERVOUS SYSTEM DISEASES [01]
DA December 1, 1974
BT1 Diseases
NT1 Encephalitis
NT1 Epilepsy
NT1 Herpes Zoster
NT1 Myelitis
NT2 Poliomyelitis
NT1 Rabies
RT Mental Disorders
RT Nervous System
RT Neurology
RT Sense Organs Diseases

NESTOR REACTOR [01]
(UKAEA, Winfrith, United Kingdom.)
DA December 1, 1974
UF *Neutron Source Thermal Reactor*
UF *UKAEA-Nestor Reactor*
BT1 Argonaut Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

NESTS [01]
DA October 10, 1985
RT Animal Breeding
RT Habitat
RT Reproduction
DEF The place where the eggs of animals are laid and hatched and the young reared.

NET ENERGY
DA June 12, 1975
BT1 Energy
BT1 Energy Analysis
RT Efficiency
RT Energy Accounting
RT Energy Consumption
RT Energy Efficiency
RT Energy Substitution Equivalent
RT Energy Yield
DEF Difference of energy output and energy input.

NET MATERIAL PRODUCT
DA November 7, 1979
UF *NMP*
RT Gross Domestic Product
RT Gross National Product
DEF The analogue of gross national product for countries with centrally planned economies.

NET TOKAMAK [01]
DA February 21, 1986
UF *Next European Torus*
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

NET TRADE
DA February 23, 1979
BT1 Trade
RT Exports
RT Imports
DEF Exports minus imports.

NETHERLANDS [01]
DA December 1, 1974
BT1 Developed Countries
BT1 Western Europe
BT2 Europe
RT OECD
RT Rhine River

NETHERLANDS ANTILLES [01]
DA December 10, 1979
BT1 Lesser Antilles
BT2 West Indies
BT3 Islands

NETHERLANDS ORGANIZATIONS [01]
DA May 5, 1975
BT1 National Organizations
NT1 ECN
NT1 IKO
NT1 IRI
NT1 KVI
NT1 NIKHEF
NT1 RCN

NETR REACTOR [01]
DA December 1, 1974
UF *Nuclear Engineering Test Reactor*
BT1 Tank Type Reactors
BT2 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors

NETWORK ANALYSIS [01]
DA July 7, 1976
RT Configuration
RT Coordinates
RT Mathematics

Networks (Computer)
DA November 2, 1976
USE Computer Networks

Neuherberg Research Reactor
DA December 1, 1974
USE FRN Reactor

NEUMANN SERIES [01]
DA January 27, 1975
BT1 Series Expansion
RT Bessel Functions
DEF An arbitrary function expanded in terms of Bessel Functions.

NEUPOTZ-1 REACTOR [01]
(Neupotz, Rheinlandpfalz, Federal Republic of Germany)
DA September 11, 1978
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

NEUPOTZ-2 REACTOR [01]
(Neupotz, Rheinlandpfalz, Federal Republic of Germany)
DA September 11, 1978
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

NEURAL NETWORKS [01]
DA October 16, 1989
RT Artificial Intelligence
RT Computer Architecture
RT Expert Systems
DEF Computer programs built of linear arrays of processing elements grouped together to simulate the interconnections between the neurons and the learning rules of the brain.

Neuridine
DA December 1, 1974
USE Spermine

NEUROLOGY [01]
DA December 1, 1974
BT1 Medicine
RT Nervous System Diseases

Neuron Transmission
DA July 27, 1982
USE Bioelectricity

Neurons
DA December 1, 1974
USE Nerve Cells

NEUROREGULATORS [01]
DA April 20, 1981
BT1 Autonomic Nervous System Agents
BT2 Drugs
NT1 Acetylcholine
NT1 Adrenaline
NT1 Aminobutyric Acid
NT1 DOPA
NT1 Dopamine
NT1 Endorphins
NT2 Enkephalins
NT1 Noradrenaline
NT1 Serotonin
NT2 Bufotenine
RT Parasympatholytics
RT Parasympathomimetics
RT Sympatholytics
RT Sympathomimetics

NEUROSPORA [01]
DA December 1, 1974
BT1 Eumycota
BT2 Fungi
BT3 Plants

NEUTRAL ATOM BEAM INJECTION [01]
DA December 1, 1974
BT1 Beam Injection
RT Atomic Beam Sources
RT Neutral Beam Sources

NEUTRAL BEAM SOURCES [01]
DA March 4, 1977
NT1 Atomic Beam Sources
RT Ion Sources
RT Neutral Atom Beam Injection

NEUTRAL-CURRENT INTERACTIONS [01]
DA December 1, 1974
BT1 Particle Interactions
BT2 Interactions
RT Basic Interactions
RT Neutral Currents
RT Weinberg Angle

NEUTRAL CURRENTS [01]
DA December 1, 1974
UF *Currents (Neutral)*
BT1 Algebraic Currents
BT2 Currents
NT1 Weak Neutral Currents
RT Charged Currents
RT Electromagnetic Interactions
RT Neutral-Current Interactions
RT Weak Interactions
RT Weinberg Lepton Model

NEUTRAL-PARTICLE TRANSPORT [01]
DA October 28, 1975
BT1 Radiation Transport
NT1 Atom Transport
NT1 Neutron Transport
NT1 Photon Transport

NEUTRAL PARTICLES [01]
DA December 1, 1974
BT1 Particles
RT Missing Mass
RT Missing-Mass Spectrometers

NEUTRAL RED [01]
DA December 1, 1974
UF *Toluylene Red*
BT1 Amines
BT2 Organic Compounds
BT1 Indicators
BT1 Pyrazines
BT2 Azines
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds

Neutralization (Beam)
DA December 1, 1974
USE Beam Neutralization

Neutralization (Chemical)
DA December 1, 1974
USE PH Value

Neutralization (Physical)
(Of electrons, holes, or radicals; not for BEAM NEUTRALIZATION.)
DA December 1, 1974
USE Recombination

Neutrettos
DA December 1, 1974
USE Muon Neutrinos

NEUTRINO BEAMS [01]
DA December 1, 1974
BT1 Lepton Beams
BT2 Particle Beams
BT3 Beams

NEUTRINO DETECTION [01]
DA December 1, 1974
BT1 Radiation Detection
BT2 Detection
RT DUMAND Project
RT Sudbury Neutrino Observatory

NEUTRINO-DEUTERON INTERACTIONS
DA January 24, 1975
BT1 Lepton-Baryon Interactions
BT2 Lepton-Hadron Interactions
BT3 Particle Interactions
BT4 Interactions
RT Deuterons
RT Neutrinos

NEUTRINO-ELECTRON INTERACTIONS [01]
DA December 1, 1974
BT1 Lepton-Lepton Interactions
BT2 Particle Interactions
BT3 Interactions
NT1 Antineutrino-Electron Interactions

NEUTRINO-MESON INTERACTIONS [01]
DA December 1, 1974
BT1 Lepton-Meson Interactions
BT2 Lepton-Hadron Interactions
BT3 Particle Interactions
BT4 Interactions

NEUTRINO-MUON INTERACTIONS [01]
DA December 1, 1974
BT1 Lepton-Lepton Interactions
BT2 Particle Interactions
BT3 Interactions

NEUTRINO-NEUTRINO INTERACTIONS [01]
DA December 1, 1974
BT1 Lepton-Lepton Interactions
BT2 Particle Interactions
BT3 Interactions

NEUTRINO-NEUTRON INTERACTIONS [01]
DA December 1, 1974
BT1 Neutrino-Nucleon Interactions
BT2 Lepton-Nucleon Interactions
BT3 Lepton-Baryon Interactions
BT4 Lepton-Hadron Interactions
BT5 Particle Interactions
BT6 Interactions
NT1 Antineutrino-Neutron Interactions

NEUTRINO-NUCLEON INTERACTIONS [01]
DA December 1, 1974
BT1 Lepton-Nucleon Interactions
BT2 Lepton-Baryon Interactions
BT3 Lepton-Hadron Interactions
BT4 Particle Interactions
BT5 Interactions
NT1 Antineutrino-Nucleon Interactions
NT2 Antineutrino-Neutron Interactions
NT2 Antineutrino-Proton Interactions
NT1 Neutrino-Neutron Interactions
NT2 Antineutrino-Neutron Interactions
NT1 Neutrino-Proton Interactions
NT2 Antineutrino-Proton Interactions

NEUTRINO OSCILLATION [01]
DA November 9, 1983
RT Mixing Ratio
RT Weak Interactions
DEF Periodic transformation of two or more kinds of neutrino into each other; interference of mass and charge eigenstates.

NEUTRINO-PROTON INTERACTIONS [01]
DA December 1, 1974
BT1 Neutrino-Nucleon Interactions
BT2 Lepton-Nucleon Interactions
BT3 Lepton-Baryon Interactions
BT4 Lepton-Hadron Interactions
BT5 Particle Interactions
BT6 Interactions
NT1 Antineutrino-Proton Interactions

NEUTRINO REACTIONS [01]
DA December 1, 1974
BT1 Lepton Reactions
BT2 Nuclear Reactions

NEUTRINOS [01]
DA December 1, 1974
BT1 Leptons
BT2 Elementary Particles
BT2 Fermions
BT1 Massless Particles
BT2 Elementary Particles
NT1 Antineutrinos
NT2 Electron Antineutrinos
NT2 Muon Antineutrinos
NT1 Cosmic Neutrinos
NT1 Electron Neutrinos
NT2 Electron Antineutrinos
NT1 Muon Neutrinos
NT2 Muon Antineutrinos
NT1 Solar Neutrinos
NT1 Tau Neutrinos
RT Feynman-Gell-Mann Theory
RT Leptonic Decay
RT Neutrino-Deuteron Interactions
RT Semileptonic Decay
RT Two-Component Neutrino Theory

NEUTRON ABSORBERS [01]
DA December 1, 1974
NT1 Burnable Poisons
RT Control Elements
RT Reactor Control Systems
RT Reactor Materials
RT Regulating Rods
RT Scram Rods
RT Shim Rods

NEUTRON ACTIVATION ANALYSIS [01]
DA December 1, 1974
BT1 Activation Analysis
BT2 Chemical Analysis
RT Neutron Activation Analyzers

NEUTRON ACTIVATION ANALYZERS [01]
DA December 1, 1974
BT1 Measuring Instruments
RT Activation Analysis
RT Neutron Activation Analysis
RT Nuclear Reaction Analyzers

NEUTRON AGE [01]
DA December 1, 1974
UF+ *Fermi Age*
RT Fermi Age Theory
RT Neutron Flux
RT Slowing-Down

NEUTRON-ANTINEUTRON INTERACTIONS [01]
DA December 1, 1974
BT1 Nucleon-Antinucleon Interactions
BT2 Baryon-Baryon Interactions
BT3 Hadron-Hadron Interactions
BT4 Particle Interactions
BT5 Interactions

NEUTRON BEAMS [01]
DA December 1, 1974
BT1 Nucleon Beams
BT2 Particle Beams
BT3 Beams
RT Neutron Guides
RT Neutrons
RT Pulsed Neutron Techniques

Neutron Bombs
DA March 16, 1981
USE Enhanced Radiation Weapons

NEUTRON CAMERAS [01]
DA September 19, 1977
BT1 Cameras
RT Neutron Diffractometers
RT Neutron Radiography

Neutron Capture
DA December 1, 1974
USE Capture
AND Neutron Reactions

NEUTRON CAPTURE THERAPY [01]
DA December 1, 1974
BT1 Neutron Therapy
BT2 Radiotherapy
BT3 Radiology
BT4 Nuclear Medicine
BT5 Medicine
BT3 Therapy
RT Radioactivation

Neutron Capture-to-Fission Ratio
DA December 1, 1974
USE Capture-to-Fission Ratio

NEUTRON CHOPPERS [01]
DA December 1, 1974
UF *Choppers (Neutron)*
BT1 Beam Pulsers
RT Neutron Spectrometers
RT Shutters

NEUTRON CONVERTERS [01]
DA December 1, 1974
RT Neutron Sources
RT Slowing-Down
RT Ultracold Neutrons

NEUTRON-DEFICIENT ISOTOPES [01]
DA December 1, 1974
BT1 Radioisotopes
BT2 Isotopes
RT Delayed Proton Precursors

NEUTRON DENSITY [01]
DA December 1, 1974
UF *Density (Neutron)*
RT Neutrons
RT Power Density

NEUTRON DETECTION [01]
DA December 1, 1974
BT1 Radiation Detection
BT2 Detection
RT Neutron Detectors
RT Neutron Dosimetry
RT Neutron Monitors
RT Neutron-Photon Converters
RT Neutron Spectrometers
RT Neutron Spectroscopy
RT Radiation Detectors

NEUTRON DETECTORS [01]
DA December 1, 1974
BT1 Radiation Detectors
BT2 Measuring Instruments
NT1 Activation Detectors
NT1 BF3 Counters
NT1 Boron Coated Ion Chambers
NT1 Boron Lined Counters
NT1 Fission Chambers
NT1 Fission Foil Detectors
NT1 Fission Thermocouple Detectors
NT1 He-3 Counters
NT1 Moderating Detectors
NT2 Bonner Sphere Detectors
NT2 Long Counters
NT1 Proton Recoil Detectors
NT1 Self-Powered Neutron Detectors
NT1 Threshold Detectors
RT Neutron Detection
RT Neutron Dosimetry
RT Neutron Monitors
RT Neutron Thermopiles
RT Reactor Control Systems

NEUTRON-DEUTERON INTERACTIONS
DA February 6, 1975
BT1 Nucleon-Deuteron Interactions
BT2 Baryon-Baryon Interactions
BT3 Hadron-Hadron Interactions
BT4 Particle Interactions
BT5 Interactions
RT Deuterons
RT Neutrons

NEUTRON DIFFRACTION [01]
DA December 1, 1974
UF *Diffraction (Neutron)*
BT1 Diffraction
BT2 Coherent Scattering
BT3 Scattering
RT Crystallography
RT Neutron Diffractometers
RT Neutron-Photon Converters
RT Structural Chemical Analysis

NEUTRON DIFFRACTOMETERS [01]
DA December 1, 1974
BT1 Diffractometers
BT2 Measuring Instruments
RT Crystallography
RT Neutron Cameras
RT Neutron Diffraction

NEUTRON DIFFUSION EQUATION [01]
DA December 1, 1974
BT1 Differential Equations
BT2 Equations
RT Fick Laws
RT Flux Synthesis
RT Homogenization Methods
RT Neutron Transport Theory

NEUTRON DOSIMETRY [01]
DA December 1, 1974
BT1 Dosimetry
RT Albedo-Neutron Dosemeters
RT Neutron Detection
RT Neutron Detectors
RT Neutron Monitors

Neutron Economy
DA December 1, 1974
USE Neutron Flux

NEUTRON EMISSION [01]
DA December 1, 1974
UF *Neutron Evaporation*
BT1 Emission
RT Liquid Drop Model

Neutron Evaporation
DA December 1, 1974
USE Neutron Emission

NEUTRON FLUENCE [01]
DA December 1, 1974
UF *Fluence (Neutron)*
NT1 Damaging Neutron Fluence
NT2 Equivalent Fission Fluence
RT Neutron Flux

NEUTRON FLUX [01]
DA December 1, 1974
UF *Flux (Neutron)*
UF *Neutron Economy*
UF+ *Neutron Flux Density*
BT1 Radiation Flux
NT1 Adjoint Flux
RT Damaging Neutron Fluence
RT Disadvantage Factor
RT Flux Synthesis
RT Greuling-Goertzel Approximation
RT Heterogeneous Effects
RT Homogenization Methods
RT Neutron Age
RT Neutron Fluence
RT Neutron Flux Flattening
RT Neutron Flux Tilting
RT Neutron Importance Function
RT Neutrons

Neutron Flux Density
DA December 1, 1974
USE Flux Density
AND Neutron Flux

NEUTRON FLUX FLATTENING [01]
DA December 1, 1974
UF *Flattening (Neutron Flux)*
RT Neutron Flux

NEUTRON FLUX TILTING [01]
DA December 1, 1974
UF *Tilting (Neutron Flux)*
RT Neutron Flux

NEUTRON-GAMMA LOGGING [01]
DA June 7, 1976
UF *Chlorine Logs*
UF *Oxygen Logs*
UF *Thermal Decay Time Log*
SF *Hydrogen Logs*
BT1 Neutron Logging
BT2 Radioactivity Logging
BT3 Well Logging
DEF Well logging using a neutron source and a gamma detector.

NEUTRON GENERATORS [01]
DA February 9, 1983
BT1 Neutron Sources
BT2 Particle Sources
BT3 Radiation Sources
DEF Usually low-energy accelerators used to produce neutrons by nuclear reactions, e.g., T(d,n).

NEUTRON GUIDES [01]
DA December 13, 1985
RT Neutron Beams
RT Neutron Reflectors
RT Neutron Sources
RT Neutron Transport
RT Pulsed Neutron Techniques
RT Ultracold Neutrons

Neutron Heating
DA April 29, 1975
USE Radiation Heating

NEUTRON IMPORTANCE FUNCTION [01]
DA December 1, 1974
UF *Importance Function (Neutron)*
BT1 Functions
RT Adjoint Flux
RT Neutron Flux
RT Perturbation Theory

Neutron International Standard Uranium Source
DA December 1, 1974
USE Nisus Facility

NEUTRON LEAKAGE [01]
DA December 1, 1974
UF *Leakage (Neutron)*
RT Neutron Transport Theory

Neutron Lifetime Log
DA March 27, 1979
USE Neutron-Neutron Logging

NEUTRON LOGGING [01]
DA August 24, 1976
SF *Hydrogen Logs*
BT1 Radioactivity Logging
BT2 Well Logging
NT1 Neutron-Gamma Logging
NT1 Neutron-Neutron Logging
RT Neutron Probes

Neutron Matter
DA September 22, 1981
USE Nuclear Matter

Neutron Moisture Meters
DA December 1, 1974
USE Moisture Gages

NEUTRON MONITORS [01]
DA December 1, 1974
BT1 Radiation Monitors
BT2 Monitors
BT3 Measuring Instruments
RT Neutron Detection
RT Neutron Detectors
RT Neutron Dosimetry
RT Reactor Control Systems

Neutron Multiplier Facility
DA December 1, 1974
USE Subcritical Assemblies

NEUTRON-NEUTRON INTERACTIONS [01]
DA December 1, 1974
BT1 Nucleon-Nucleon Interactions
BT2 Baryon-Baryon Interactions
BT3 Hadron-Hadron Interactions
BT4 Particle Interactions
BT5 Interactions

NEUTRON-NEUTRON LOGGING [01]
DA June 7, 1976
UF *Neutron Lifetime Log*
SF *Hydrogen Logs*
BT1 Neutron Logging
BT2 Radioactivity Logging
BT3 Well Logging
DEF Well logging using neutron source and neutron detector.

NEUTRON OSCILLATION [01]
(Process of a reversible neutron-antineutron transformation.)
DA December 13, 1985
RT Antineutrons
RT Baryon Number
RT Neutrons

NEUTRON-PHOTON CONVERTERS [01]
DA December 1, 1974
RT Neutron Detection
RT Neutron Diffraction
RT Neutron Radiography
RT Photographic Film Detectors

NEUTRON PROBES [01]
DA June 23, 1989
BT1 Probes
RT Moisture Gages
RT Neutron Logging
RT Neutron Reactions
RT Neutron Sources

NEUTRON RADIOGRAPHY [01]
DA December 1, 1974
BT1 Industrial Radiography
RT Neutron Cameras
RT Neutron-Photon Converters

NEUTRON REACTIONS [01]
DA December 1, 1974
UF+ *Neutron Capture*
BT1 Nucleon Reactions
BT2 Baryon Reactions
BT3 Hadron Reactions
BT4 Nuclear Reactions
NT1 Fast Fission
NT1 Thermal Fission
RT Neutron Probes
RT Neutron Sputtering

NEUTRON REFLECTORS [01]
DA December 1, 1974
UF *Reflectors (Neutron)*
RT Configuration Control
RT Neutron Guides
RT Reflector Savings

NEUTRON-RICH ISOTOPES [01]
DA November 11, 1975
BT1 Radioisotopes
BT2 Isotopes
NT1 Neon 29
NT1 Neon 30
NT1 Nitrogen 23
RT Beta-Delayed Neutrons

NEUTRON SEPARATION ENERGY [01]
DA December 1, 1974
BT1 Binding Energy
BT2 Energy
RT Neutrons

NEUTRON SLOWING-DOWN THEORY [01]
DA December 1, 1974
UF *Slowing-Down Theory (Neutron)*
NT1 Fermi Age Theory
RT Greuling-Goertzel Approximation
RT Moderators
RT Neutron Spectra
RT Neutron Transport Theory
RT Placzec Function
RT Reactor Physics
RT Selengut-Goertzel Equation
RT Slowing-Down
RT Slowing-Down Kernels
RT Spencer-Fano Theory
RT Wick Method

NEUTRON SOURCE FACILITIES
DA October 20, 1977
UF *Deuterium-Lithium High Flux Neutron Source Facility*
UF *High Flux Neutron Source Facility*
NT1 IPNS-I Synchrotron
RT Hanford Reservation
RT Linear Accelerators

Neutron Source Thermal Reactor
DA December 1, 1974
USE Nestor Reactor

NEUTRON SOURCES [01]
(Excludes reactors even when used as neutron sources.)
DA December 1, 1974
BT1 Particle Sources
BT2 Radiation Sources
NT1 ING Linac
NT1 Neutron Generators
NT1 Nisus Facility
RT Neutron Converters
RT Neutron Guides
RT Neutron Probes
RT Neutrons
RT Radioactivation
RT Sigma Piles
RT SORA Reactor
RT Thermal Columns

NEUTRON SPECTRA [01]
DA December 1, 1974
UF *Spectra (Neutron)*
BT1 Spectra
NT1 Watt Fission Spectrum

RT Neutron Slowing-Down Theory
RT Neutrons
RT Spectra Unfolding
RT Spectral Hardening

NEUTRON SPECTROMETERS [01]
DA December 1, 1974
BT1 Spectrometers
BT2 Measuring Instruments
NT1 Bonner Sphere Spectrometers
RT Neutron Choppers
RT Neutron Detection

NEUTRON SPECTROSCOPY [01]
DA December 1, 1974
BT1 Spectroscopy
RT Neutron Detection

NEUTRON SPUTTERING
DA August 24, 1977
BT1 Sputtering
RT Neutron Reactions
RT Physical Radiation Effects

NEUTRON STARS [01]
DA December 1, 1974
BT1 Stars
RT Accretion Disks
RT Gravitational Collapse
RT Neutrons
RT Nuclear Matter
RT Pulsars
RT Starquakes

NEUTRON TEMPERATURE [01]
DA December 1, 1974
UF *Temperature (Neutron)*
RT Energy
RT Neutrons
RT Thermal Neutrons

NEUTRON THERAPY [01]
DA April 19, 1976
BT1 Radiotherapy
BT2 Radiology
BT3 Nuclear Medicine
BT4 Medicine
BT2 Therapy
NT1 Neutron Capture Therapy

NEUTRON THERMOPILES [01]
DA December 1, 1974
RT Neutron Detectors

NEUTRON TRANSFER [01]
DA December 1, 1974
RT Neutrons
RT Transfer Reactions

NEUTRON TRANSPORT [01]
DA December 1, 1974
UF *Transport (Neutron)*
BT1 Neutral-Particle Transport
BT2 Radiation Transport
RT Neutron Guides
RT Neutron Transport Theory

NEUTRON TRANSPORT THEORY [01]
DA December 1, 1974
BT1 Transport Theory
NT1 Multigroup Theory
NT1 One-Group Theory
RT Adjoint Difference Method
RT Albedo
RT Amouyal-Benoist-Horowitz Method
RT Discrete Ordinate Method
RT Extrapolation Length
RT Feynman Method
RT Fick Laws
RT Homogenization Methods
RT Milne Problem
RT Monte Carlo Method
RT Neutron Diffusion Equation
RT Neutron Leakage
RT Neutron Slowing-Down Theory
RT Neutron Transport
RT Perturbation Theory
RT Reactor Physics
RT Serber-Wilson Method
RT Slowing-Down
RT Spherical Harmonics Method
RT Transfer Matrix Method
RT Variational Methods
RT Yvon Method

NEUTRONIC DAMAGE FUNCTIONS [01]
DA March 8, 1978
BT1 Functions
RT Damaging Neutron Fluence
RT Equivalent Fission Fluence
RT Irradiation
RT Physical Radiation Effects

NEUTRONS [01]
DA December 1, 1974
BT1 Nucleons
BT2 Baryons
BT3 Fermions
BT3 Hadrons
BT4 Elementary Particles
NT1 Antineutrons
NT1 Beta-Delayed Neutrons
NT1 Cold Neutrons
NT2 Ultracold Neutrons
NT1 Cosmic Neutrons
NT1 Epithermal Neutrons
NT1 Fast Neutrons
NT1 Fission Neutrons
NT2 Delayed Neutrons
NT2 Prompt Neutrons
NT1 Intermediate Neutrons
NT1 Photoneutrons
NT1 Pile Neutrons
NT1 Polyneutrons
NT2 Dineutrons
NT2 Tetraneutrons
NT2 Trineutrons
NT1 Resonance Neutrons
NT1 Slow Neutrons
NT1 Solar Neutrons
NT1 Thermal Neutrons
RT CINDA
RT Haywood Model
RT Neutron Beams
RT Neutron Density
RT Neutron-Deuteron Interactions
RT Neutron Flux
RT Neutron Oscillation
RT Neutron Separation Energy
RT Neutron Sources
RT Neutron Spectra
RT Neutron Stars
RT Neutron Temperature
RT Neutron Transfer
RT Rosenbluth-Nelkin Model

NEUTROPHILS [01]
DA December 1, 1974
BT1 Leukocytes
BT2 Blood Cells
BT3 Blood
BT4 Body Fluids
BT5 Biological Materials
BT6 Materials

NEVADA [01]
DA December 1, 1974
BT1 USA
BT2 Developed Countries
BT2 North America
NT1 Steamboat Springs
RT Great Basin
RT Nevada Test Site
RT Snake River Plain
RT Tonopah Test Range
RT Yucca Mountain

NEVADA TEST SITE [01]
DA December 1, 1974
BT1 US DOE
BT2 US Organizations
BT3 National Organizations
RT Arbor Project
RT Fusileer Operation
RT Nevada
RT Nuclear Explosions
RT Nuclear Weapons

Nevada University L-77 Reactor
DA December 1, 1974
USE Nevada University Reactor

NEVADA UNIVERSITY REACTOR [01]
DA December 1, 1974
UF *L-77 Nevada University Reactor*
UF *Nevada University L-77 Reactor*
UF *University of Nevada L-77 Reactor*
BT1 Aqueous Homogeneous Reactors
BT2 Liquid Homogeneous Reactors
BT3 Fluid Fueled Reactors
BT4 Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors

NEW BRUNSWICK [01]
DA December 1, 1974
BT1 Canada
BT2 Developed Countries
BT2 North America

NEW CALEDONIA [01]
DA December 10, 1979
BT1 Oceania

New England
DA July 6, 1978
USE USA

New England Power Company Nuclear Project-1
DA January 28, 1977
USE NEP-1 Reactor

New England Power Company Nuclear Project-2
DA January 28, 1977
USE NEP-2 Reactor

NEW GUINEA [01]
DA September 26, 1979
BT1 Asia
BT1 Australasia
BT1 Islands
NT1 Papua New Guinea
RT Pacific Ocean

NEW HAMPSHIRE [01]
DA December 1, 1974
BT1 USA
BT2 Developed Countries
BT2 North America
RT Connecticut River
RT Connecticut River Basin
RT Gulf of Maine
RT US East Coast

NEW HEBRIDES ISLANDS [01]
DA February 20, 1975
BT1 Islands
RT Pacific Ocean

NEW JERSEY [01]
DA December 1, 1974
BT1 USA
BT2 Developed Countries
BT2 North America
RT Delaware River
RT Hudson River
RT New York Bight
RT US East Coast

NEW MEXICO [01]
DA December 1, 1974
BT1 USA
BT2 Developed Countries
BT2 North America
NT1 Jemez Mountains
NT1 Los Alamos
RT Anaconda Uranium Mill
RT Baca Geothermal Field

RT Inhalation Toxicology Research Institute
RT LANL
RT Permian Basin
RT Rio Grande Rift
RT Rio Grande River
RT Santa Rosa Deposit
RT WIPP

NEW SOUTH WALES [01]
DA December 1, 1974
BT1 Australia
BT2 Australasia
BT2 Developed Countries
RT Glen Davis Facility

NEW YORK [01]
DA December 1, 1974
BT1 USA
BT2 Developed Countries
BT2 North America
NT1 New York City
RT Adirondack Mountains
RT Allegheny River
RT BNL
RT Delaware River
RT Hudson River
RT Mohawk River
RT New York Bight
RT Niagara River
RT St Lawrence River
RT Susquehanna River
RT US East Coast

NEW YORK BIGHT [01]
DA March 29, 1980
BT1 Mid-Atlantic Bight
BT2 Atlantic Ocean
BT3 Seas
BT4 Surface Waters
RT Continental Shelf
RT New Jersey
RT New York
RT US East Coast
DEF The section of continental margin and overlying water within the bend of the Atlantic coastline bounded by Long Island on the north and New Jersey on the west.

NEW YORK CITY [01]
DA January 24, 1975
BT1 New York
BT2 USA
BT3 Developed Countries
BT3 North America
BT1 Urban Areas

NEW ZEALAND [01]
DA December 1, 1974
BT1 Australasia
BT1 Developed Countries
RT Broadlands Geothermal Field
RT Kawerau Geothermal Field
RT OECD
RT Pacific Ocean
RT Tasman Sea
RT Waiotapu Geothermal Field
RT Wairakei Geothermal Field

NEW ZEALAND ORGANIZATIONS [01]
DA April 29, 1986
BT1 National Organizations

NEWBOLD ISLAND-1 REACTOR [01]
(Name changed to HOPE CREEK-1 REACTOR in November 1973, and more recent materials should be so indexed.)
DA August 4, 1976
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

NEWBOLD ISLAND-2 REACTOR [01]
(Name changed to HOPE CREEK-2 REACTOR in November 1973, and more recent materials should be so indexed.)
DA August 4, 1976
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

Newborns
DA December 1, 1974
SEE Infants
OR Neonates

NEWCASTLE DISEASE [01]
DA December 1, 1974
BT1 Viral Diseases
BT2 Infectious Diseases
BT3 Diseases
RT Birds
RT Viruses

NEWFOUNDLAND [01]
DA December 1, 1974
BT1 Canada
BT2 Developed Countries
BT2 North America
BT1 Islands
RT Atlantic Ocean

Newton Mechanics
DA December 1, 1974
USE Classical Mechanics

NEWTON-METAL [01]
DA December 1, 1974
BT1 Bismuth Base Alloys
BT2 Bismuth Alloys
BT3 Alloys
BT1 Lead Alloys
BT2 Alloys
BT1 Tin Alloys
BT2 Alloys

NEWTON METHOD [01]
DA February 19, 1976
BT1 Iterative Methods
BT2 Calculation Methods
RT Mathematics
RT Numerical Solution
RT Polynomials

Newts
DA December 1, 1974
USE Salamanders

Next European Torus
DA February 21, 1986
USE NET Tokamak

NGL
DA February 20, 1976
USE Natural Gas Liquids

NI-HARD [01]
DA December 1, 1974
BT1 Chromium Alloys
BT2 Alloys
BT1 Iron Alloys
BT2 Alloys
BT1 Iron Carbides
BT2 Carbides
BT3 Carbon Compounds
BT2 Iron Compounds
BT3 Transition Element Compounds
BT1 Manganese Additions
BT2 Manganese Alloys
BT3 Alloys
BT1 Nickel Alloys
BT2 Alloys
BT1 Silicon Additions
BT2 Silicon Alloys
BT3 Alloys
BT1 Sulfur Additions
BT2 Alloys

NI-O-NEL [01]
DA December 1, 1974
BT1 Chromium Alloys
BT2 Alloys
BT1 Copper Alloys
BT2 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Nickel Alloys
BT2 Alloys
BT1 Titanium Alloys
BT2 Alloys

NIAGARA RIVER [01]
DA March 7, 1983
BT1 Rivers
BT2 Streams
BT3 Surface Waters
RT New York

NICARAGUA [01]
DA December 1, 1974
BT1 Central America
BT2 Latin America
BT1 Developing Countries
RT Momotombo Geothermal Field

NICHROME
DA December 1, 1974
BT1 Alloy-Ni60Fe24Cr16
BT2 Chromel
BT3 Nickel Base Alloys
BT4 Nickel Alloys
BT5 Alloys
BT2 Chromium Alloys
BT3 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Iron Alloys
BT3 Alloys

NICKEL [01]
DA December 1, 1974
BT1 Transition Elements
BT2 Metals
BT3 Elements
RT Black Nickel
RT Refractory Metals
RT TD-Nickel

NICKEL 53 [01]
DA August 24, 1976
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Nickel Isotopes
BT2 Isotopes

NICKEL 54 [01]
DA April 8, 1975
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Nickel Isotopes
BT2 Isotopes

NICKEL 55 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei

BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Nickel Isotopes
BT2 Isotopes

NICKEL 56 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Nickel Isotopes
BT2 Isotopes

NICKEL 56 TARGET [01]
DA November 24, 1981
BT1 Targets

NICKEL 57 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Nickel Isotopes
BT2 Isotopes

NICKEL 57 TARGET [01]
DA July 24, 1979
BT1 Targets

NICKEL 58 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Nickel Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes
RT Nickel 58 Reactions

NICKEL 58 BEAMS [01]
DA November 1, 1976
BT1 Ion Beams
BT2 Beams

NICKEL 58 REACTIONS [01]
DA June 16, 1975
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions
RT Nickel 58

NICKEL 58 TARGET [01]
DA July 9, 1976
BT1 Targets

NICKEL 59 [01]
DA December 1, 1974
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Nickel Isotopes
BT2 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

NICKEL 59 REACTIONS [01]
DA July 10, 1984
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

NICKEL 59 TARGET [01]
DA July 9, 1976
BT1 Targets

NICKEL 60 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Nickel Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

NICKEL 60 BEAMS [01]
DA February 23, 1979
BT1 Ion Beams
BT2 Beams

NICKEL 60 REACTIONS [01]
DA November 1, 1976
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

NICKEL 60 TARGET [01]
DA July 9, 1976
BT1 Targets

NICKEL 61 [01]
DA December 1, 1974
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Nickel Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

NICKEL 61 REACTIONS [01]
DA February 24, 1987
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

NICKEL 61 TARGET [01]
DA July 9, 1976
BT1 Targets

NICKEL 62 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Nickel Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

NICKEL 62 TARGET [01]
DA July 9, 1976
BT1 Targets

NICKEL 63 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Nickel Isotopes
BT2 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

→**NICKEL 63 TARGET [01]**
DA August 7, 1992
BT1 Targets

NICKEL 64 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Nickel Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

NICKEL 64 REACTIONS [01]
DA April 28, 1978
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

NICKEL 64 TARGET [01]
DA July 9, 1976
BT1 Targets

NICKEL 65 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Nickel Isotopes
BT2 Isotopes

NICKEL 66 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Nickel Isotopes
BT2 Isotopes

NICKEL 67 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Nickel Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

NICKEL 68 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Nickel Isotopes
BT2 Isotopes

NICKEL 69 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes

BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Nickel Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

→**NICKEL 71 [01]**
DA June 1, 1990
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Nickel Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

→**NICKEL 72 [01]**
DA June 1, 1990
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Nickel Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

→**NICKEL 73 [01]**
DA June 1, 1990
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Nickel Isotopes
BT2 Isotopes

→**NICKEL 74 [01]**
DA September 10, 1990
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

NICKEL 78 [01]
DA January 9, 1981
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Nickel Isotopes
BT2 Isotopes

NICKEL ADDITIONS [01]
DA December 1, 1974
BT1 Nickel Alloys
BT2 Alloys
NT1 Alloy-Zr98Sn-2
NT2 Zircaloy 2
NT1 Ounce Metal
NT1 Steel-Cr2MoNiNb
NT1 Steel-Cr2MoV
NT1 Steel-Cr12MoNiV
NT1 Steel-Cr17Mn15NNi
NT2 Tenelon
NT1 Steel-CrAlNiMo
NT1 Steel-CrMo
NT1 Steel-CrMoV
NT1 Steel-CrNi
NT1 Steel-MnCuMo
NT2 Steel-ASTM-A537
NT1 Steel-MnNiMo
NT1 Steel-NiMoCr

NICKEL ALLOYS [01]
DA December 1, 1974
BT1 Alloys
NT1 Alloy-Co36Cr22Ni22W15Fe3
NT2 Haynes 188 Alloy
NT1 Alloy-Co43Cr20Fe18Ni13W3
NT2 HAVAR
NT1 Alloy-Co54Cr20W15Ni10
NT2 Alloy-HS-25
NT2 Haynes 25 Alloy
NT1 Alloy-Co60Cr30W4
NT2 Haynes Stellite 6B
NT2 Stellite 6
NT1 Alloy-Co62Cr28Mo6Ni3
NT2 Alloy-HS-21
NT2 Haynes Stellite No 21
NT1 Alloy-Cu52Ni47
NT2 Constantan
NT1 Alloy-D-979
NT1 Alloy-Fe31Cr21Co20Ni20Mo3W2
NT2 Alloy-HD-556
NT2 Alloy-N-155
NT1 Alloy-Fe36Ni33Cr26
NT1 Alloy-Fe40Ni35Cr22
NT1 Alloy-Fe44Ni33Cr21
NT2 Incoloy 800H
NT1 Alloy-Fe46Ni33Cr21
NT2 Incoloy 800
NT2 Incoloy 802
NT2 Sanicro 30
NT1 Alloy-Fe48Cr24Ni24
NT2 Alloy-IN-519
NT1 Alloy-Fe53Ni29Co18
NT1 Alloy-HS-31
NT1 Alloy-Mo-Re-1
NT1 Alloy-MP35N
NT1 Alloy-N28T3
NT1 Alloy-RA-333
NT1 Alloy-S-590
NT1 Alloy-S-816
NT1 Alloy-V-36
NT1 Alloy-YuNDK 25BA
NT1 ALNICO Alloys
NT1 Ascoloy
* NT1 Chromium-Nickel Steels
NT1 Constantan
NT1 Cunico
NT1 Discaloy
NT1 German Silver
NT1 HAVAR
NT1 Haynes 25 Alloy
NT1 Haynes Stellite No 21
NT1 Invar
NT1 Kovar
NT1 Manaurite 36X
NT1 Manaurite 900
NT1 Manganin
NT1 Misco Metal
NT1 Ni-Hard
NT1 Ni-O-Nel
* NT1 Nickel Additions
* NT1 Nickel Base Alloys
NT1 Nickel Steels
NT2 Nickel-Chromium Steels
NT3 Alloy-D-9
NT3 Sweetalloy
NT1 Nickeline Alloy
NT1 Nitinol
NT1 Orthonol
NT1 Permalloy
NT1 Refractaloy
NT1 Rezistal
NT1 Stainless Steel-JBK-75
NT1 Steel-CD-4MCu
NT1 Steel-Cr2NiMoV
NT1 Steel-Cr16Ni
NT2 Stainless Steel-431
NT1 Steel-Cr17Cu4Ni4Nb-L
NT1 Steel-Cr17Ni4Cu4Nb-L
NT1 Steel-Cr17Ni4Mo3
NT2 Stainless Steel-AM-350
NT1 Steel-Cr21Mn9Ni6
NT2 Stainless Steel-21-6-9
NT1 Steel-Cr21Ni5Ti
NT1 Steel-Cr22Ni5Ti
NT1 Steel-Cr26Ni5Mo-L
NT2 Stainless Steel-44LN
NT1 Steel-In-787
NT1 Steel-MnNiMoV
NT1 Steel-Ni3Cr
NT1 Steel-Ni3CrMo
NT2 Steel-ASTM-A543
NT1 Steel-Ni3CrMoV
NT1 Steel-Ni3MoV
NT1 Steel-Ni4
NT1 Steel-Ni4CrW
NT1 Steel-NiCr
NT1 Steel-NiCrMo
NT1 Supertherm
NT1 TD-Nickel Chromium
NT1 Tikonal

NICKEL ARSENIDES [01]
DA July 7, 1976
BT1 Arsenides
BT2 Arsenic Compounds
BT2 Pnictides
BT1 Nickel Compounds
BT2 Transition Element Compounds

NICKEL BASE ALLOYS [01]
DA December 1, 1974
UF *Alloy-79NM*
UF *Alloy-GMR-235*
UF *Alloy-HD-8077*
UF *Alloy-Kh20N80T*
UF *Alloy-KhN77TYu*
UF *Alloy-M-252*
UF *Alloy-MA-754*
UF *Alloy-MM-0011*
UF *Alloy-WAZ-16*
UF *HD 8077*
UF *MA 754*
UF *MM-0011*
UF *WAZ 16*
BT1 Nickel Alloys
BT2 Alloys
NT1 Alloy-B-1900
NT1 Alloy-EhP-496
NT1 Alloy-IN-102
NT1 Alloy-IN-853
NT1 Alloy-Mar-M246
NT1 Alloy-MN-21
NT1 Alloy-Mo-Re-2
NT1 Alloy-N55M20V25
NT1 Alloy-N65M20V15
NT1 Alloy-Ni42Fe36Cr12Mo6Ti3
NT2 Incoloy 901
NT1 Alloy-Ni43Fe30Cr22Mo3
NT2 Incoloy 825
NT1 Alloy-Ni45Cr23Fe19Co3Mo3W3
NT1 Alloy-Ni45Fe34Cr20
NT1 Alloy-Ni50Mo32Cr15Si3
NT2 Tribaloy 700
NT1 Alloy-Ni55Co17Cr15Mo5Al4Ti4
NT2 Astroloy
NT1 Alloy-Ni55Cr19Co11Mo10Ti3
NT2 Rene 41
NT1 Alloy-Ni56Cr21W10Mo5Fe4Al2
NT1 Alloy-Ni58Cr14Co8Al4Mo4Nb4W4
NT2 Rene 95
NT1 Alloy-Ni58Cr20Co14Mo4Ti3
NT2 Waspaloy
NT1 Alloy-Ni60Cr14Co10Ti5Mo4W4Al3
NT2 Rene 80
NT1 Alloy-Ni60Cr25W15
NT1 Alloy-Ni60Mo13Co9Cr8Nb4Al3
NT1 Alloy-Ni65Mo16Cr15W4
NT1 Alloy-Ni67Cr19Mo5W5Ti3
NT1 Alloy-Ni68Cr15W6Al3Mo3Fe2
NT1 Alloy-Ni77Cr17Al5
NT1 Alloy-Ni77Cr20Ti2
NT1 Alloy-Ni78Cr21
NT1 Alloy-Ni79Fe16Mo4
NT1 Alloy-Ni80Fe16Mo4
NT1 Alloy-Ni94Mn3Al2
NT2 Alumel

NT1 Alloy-NX-188
NT1 Alumel
NT1 Astroloy
NT1 Chlorimet
NT1 Chromel
NT2 Alloy-Ni60Fe24Cr16
NT3 Nichrome
NT2 Alloy-Ni80Cr20
NT2 Alloy-Ni85Cr15
NT1 Colmonoy
NT1 Duranickel
NT1 Hastelloys
NT2 Alloy-Ni49Cr22Fe18Mo9
NT3 Hastelloy X
NT2 Alloy-Ni50Cr22Fe18Mo9
NT3 Hastelloy XR
NT2 Alloy-Ni54Mo17Cr16Fe6W4
NT3 Hastelloy C
NT2 Alloy-Ni62Cr16Mo15Fe3
NT3 Hastelloy S
NT2 Alloy-Ni65Mo28Fe5
NT3 Hastelloy B
NT2 Alloy-Ni70Mo17Cr7Fe5
NT3 Hastelloy N
NT3 Inor-8
NT2 Hastelloy F
NT1 Haynes 188 Alloy
NT1 Hymu-80
NT1 Illium
* NT1 Inconel Alloys
NT1 Konel
NT1 Monel
NT2 Alloy-Ni66Cu32
NT3 Monel 400
NT1 Nicrobraz 50
NT1 Nimonic
NT2 Alloy-Ni43Fe33Cr16Mo3
NT3 Nimonic PE16
NT2 Alloy-Ni48Cr22Fe18Mo9
NT3 Nimonic PE13
NT2 Alloy-Ni50Co20Cr15Al5Mo5
NT3 Nimonic 105
NT2 Alloy-Ni59Cr20Co17Ti2
NT3 Nimonic 90
NT2 Alloy-Ni65Cr25Mo10
NT3 Nimonic 86
NT2 Alloy-Ni76Cr15Fe8
NT3 Inconel 600
NT2 Alloy-Ni76Cr20Ti2
NT3 Nimonic 80A
NT2 Nimonic 115
NT2 Nimonic 115A
NT1 Rene 41
NT1 Rene 80
NT1 Rene 95
NT1 Rene-100
NT1 Tophet
NT1 Udimet Alloys
NT2 Udimet 500
NT2 Udimet 700
NT1 Waspaloy

NICKEL BORIDES [01]
DA December 1, 1974
BT1 Borides
BT2 Boron Compounds
BT1 Nickel Compounds
BT2 Transition Element Compounds

NICKEL BROMIDES [01]
DA December 1, 1974
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Nickel Compounds
BT2 Transition Element Compounds

NICKEL-CADMIUM BATTERIES
DA January 27, 1975
BT1 Metal-Metal Oxide Batteries
BT2 Electric Batteries
BT3 Electrochemical Cells

NICKEL CARBIDES [01]
DA December 1, 1974
BT1 Carbides
BT2 Carbon Compounds
BT1 Nickel Compounds
BT2 Transition Element Compounds

NICKEL CARBONATES [01]
DA December 1, 1974
BT1 Carbonates
BT2 Carbon Compounds
BT2 Oxygen Compounds
BT1 Nickel Compounds
BT2 Transition Element Compounds

NICKEL CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Nickel Compounds
BT2 Transition Element Compounds

NICKEL-CHROMIUM STEELS
DA December 1, 1974
UF *Steel-1-Kh18N20T3P*
UF *Steel-37KhN3T*
UF *Steel-40Kh2N5SM*
UF *Steel-000Kh20N20*
UF *Steel-Kh12N20T3P*
UF *Steel-Kh18N22V2T2*
UF *Steel-KhN35VT*
UF *Steel-N26KhT1*
UF *Steel-VZh102*
BT1 Chromium Alloys
BT2 Alloys
BT1 Nickel Steels
BT2 Nickel Alloys
BT3 Alloys
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
NT1 Alloy-D-9
NT1 Sweetalloy
RT Chromium-Nickel Steels
DEF Steels containing Ni and Cr as main alloying elements; the Ni content is higher than Cr content.

Nickel Chromium-Td
DA December 1, 1974
USE TD-Nickel Chromium

NICKEL COMPLEXES [01]
DA December 1, 1974
BT1 Transition Element Complexes
BT2 Complexes

NICKEL COMPOUNDS [01]
DA December 1, 1974
BT1 Transition Element Compounds
NT1 Nickel Arsenides
NT1 Nickel Borides
NT1 Nickel Bromides
NT1 Nickel Carbides
NT1 Nickel Carbonates
NT1 Nickel Chlorides
NT1 Nickel Fluorides
NT1 Nickel Hydrides
NT1 Nickel Hydroxides
NT1 Nickel Iodides
NT1 Nickel Nitrates
NT1 Nickel Nitrides
NT1 Nickel Oxides
NT1 Nickel Phosphates
NT1 Nickel Phosphides
NT1 Nickel Selenides
NT1 Nickel Silicates
NT1 Nickel Silicides
NT1 Nickel Sulfates
NT1 Nickel Sulfides
NT1 Nickel Tellurides
NT1 Nickel Tungstates
NT1 Nickelates

NICKEL FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Nickel Compounds
BT2 Transition Element Compounds

NICKEL HYDRIDES [01]
DA December 1, 1974
BT1 Hydrides
BT2 Hydrogen Compounds
BT1 Nickel Compounds
BT2 Transition Element Compounds

NICKEL-HYDROGEN BATTERIES [01]
DA January 27, 1975
BT1 Metal-Gas Batteries
BT2 Electric Batteries
BT3 Electrochemical Cells

NICKEL HYDROXIDES [01]
DA December 1, 1974
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds
BT1 Nickel Compounds
BT2 Transition Element Compounds

NICKEL IODIDES [01]
DA December 1, 1974
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds
BT1 Nickel Compounds
BT2 Transition Element Compounds

NICKEL IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

Nickel-Iron Batteries
DA October 27, 1980
USE Iron-Nickel Batteries

NICKEL ISOTOPES [01]
DA December 1, 1974
BT1 Isotopes
NT1 Nickel 53
NT1 Nickel 54
NT1 Nickel 55
NT1 Nickel 56
NT1 Nickel 57
NT1 Nickel 58
NT1 Nickel 59
NT1 Nickel 60
NT1 Nickel 61
NT1 Nickel 62
NT1 Nickel 63
NT1 Nickel 64
NT1 Nickel 65
NT1 Nickel 66
NT1 Nickel 67
NT1 Nickel 68
NT1 Nickel 69
NT1 Nickel 71
NT1 Nickel 72
NT1 Nickel 73
NT1 Nickel 78

NICKEL NITRATES [01]
DA December 1, 1974
BT1 Nickel Compounds
BT2 Transition Element Compounds
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds

NICKEL NITRIDES [01]
DA December 1, 1974
BT1 Nickel Compounds
BT2 Transition Element Compounds
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides

NICKEL ORES [01]
DA December 1, 1974
BT1 Ores

NICKEL OXIDES [01]
DA December 1, 1974
BT1 Nickel Compounds
BT2 Transition Element Compounds
BT1 Oxides
BT2 Chalcogenides

BT2 Oxygen Compounds
RT Nickelates

NICKEL PHOSPHATES [01]
DA December 1, 1974
BT1 Nickel Compounds
BT2 Transition Element Compounds
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds

NICKEL PHOSPHIDES [01]
DA October 1, 1975
BT1 Nickel Compounds
BT2 Transition Element Compounds
BT1 Phosphides
BT2 Phosphorus Compounds
BT2 Pnictides

NICKEL SELENIDES [01]
DA December 15, 1976
BT1 Nickel Compounds
BT2 Transition Element Compounds
BT1 Selenides
BT2 Chalcogenides
BT2 Selenium Compounds

NICKEL SILICATES [01]
DA December 1, 1974
BT1 Nickel Compounds
BT2 Transition Element Compounds
BT1 Silicates
BT2 Oxygen Compounds
BT2 Silicon Compounds

NICKEL SILICIDES [01]
DA October 28, 1975
BT1 Nickel Compounds
BT2 Transition Element Compounds
BT1 Silicides
BT2 Silicon Compounds

Nickel Silver
DA December 1, 1974
USE German Silver

NICKEL STEELS
DA December 1, 1974
UF *Steel-30N9K4*
BT1 Nickel Alloys
BT2 Alloys
BT1 Steels
BT2 Iron Base Alloys
BT3 Iron Alloys
BT4 Alloys
NT1 Nickel-Chromium Steels
NT2 Alloy-D-9
NT2 Sweetalloy
DEF Steels containing Ni as main alloying elements

NICKEL SULFATES [01]
DA December 1, 1974
BT1 Nickel Compounds
BT2 Transition Element Compounds
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds

NICKEL SULFIDES [01]
DA December 1, 1974
BT1 Nickel Compounds
BT2 Transition Element Compounds
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds

NICKEL TELLURIDES [01]
DA February 11, 1980
BT1 Nickel Compounds
BT2 Transition Element Compounds
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds

Nickel-Thorium Oxide Dispersions
DA April 11, 1979
USE TD-Nickel

NICKEL TUNGSTATES [01]
DA June 7, 1976
BT1 Nickel Compounds
BT2 Transition Element Compounds
BT1 Tungstates

NICKEL-ZINC BATTERIES
DA January 27, 1975
BT1 Metal-Metal Oxide Batteries
BT2 Electric Batteries
BT3 Electrochemical Cells

NICKELATES [01]
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
DA December 1, 1974
BT1 Nickel Compounds
BT2 Transition Element Compounds
BT1 Oxygen Compounds
RT Nickel Oxides

NICKELINE ALLOY [01]
DA December 1, 1974
BT1 Copper Base Alloys
BT2 Copper Alloys
BT3 Alloys
BT1 Nickel Alloys
BT2 Alloys
BT1 Zinc Additions
BT2 Zinc Alloys
BT3 Alloys

NICOTIANA [01]
DA December 1, 1974
UF *Tobacco Plant*
BT1 Magnoliopsida
BT2 Magnoliophyta
BT3 Plants
RT Tobacco
RT Tobacco Products

NICOTINAMIDE [01]
DA December 1, 1974
UF *PP-Factor*
UF *Vitamin PP*
BT1 Amides
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
BT1 Pyridines
BT2 Azines
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
BT1 Vitamin B Group
BT2 Vitamins
RT Heterocyclic Acids
RT NAD
RT NADH2
RT NADP

Nicotinamide-Adenine Dinucleotide
DA December 1, 1974
USE NAD

Nicotinamide-Adenine Dinucleotide Phosphate
DA June 22, 1980
USE NADP

NICOTINE [01]
DA December 1, 1974
BT1 Alkaloids
BT2 Organic Compounds
BT1 Parasympatholytics
BT2 Autonomic Nervous System Agents
BT3 Drugs
BT1 Parasympathomimetics
BT2 Autonomic Nervous System Agents
BT3 Drugs
BT1 Pyridines
BT2 Azines
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
BT1 Pyrrolidines
BT2 Amines
BT3 Organic Compounds
BT2 Pyrroles
BT3 Azoles
BT4 Heterocyclic Compounds
BT5 Organic Compounds
BT4 Organic Nitrogen Compounds
BT5 Organic Compounds

NICOTINIC ACID [01]
DA April 15, 1975
BT1 Heterocyclic Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT2 Heterocyclic Compounds
BT3 Organic Compounds
BT1 Pyridines
BT2 Azines
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
BT1 Vitamin B Group
BT2 Vitamins

NICROBRAZ 50 [01]
DA December 1, 1974
BT1 Chromium Alloys
BT2 Alloys
BT1 Nickel Base Alloys
BT2 Nickel Alloys
BT3 Alloys
BT1 Phosphides
BT2 Phosphorus Compounds
BT2 Pnictides

NIEDERAICHBACH REACTOR [01]
DA December 1, 1974
UF *Kernkraftwerk Niederaichbach*
UF *KKN Reactor*
BT1 Carbon Dioxide Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 HWGCR Type Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

Niels Bohr Institute Cyclotron
DA July 19, 1985
USE NBI Cyclotron

NIFLEX PROCESS [01]
DA December 1, 1974
BT1 Reprocessing
BT2 Separation Processes
RT Solvent Extraction

Nigella
DA December 1, 1974
USE Ranunculaceae

NIGER [01]
DA December 1, 1974
BT1 Africa
BT1 Developing Countries

NIGER RIVER [01]
DA August 24, 1976
BT1 Rivers
BT2 Streams
BT3 Surface Waters
RT Africa

NIGERIA [01]
DA December 1, 1974
BT1 Africa
BT1 Developing Countries
RT OPEC

NIGHT SKY
DA September 8, 1981
UF *Nighttime*
BT1 Sky
RT Airglow
RT Aurorae

Nightglow
DA December 1, 1974
USE Airglow

Nighttime
DA December 1, 1982
USE Night Sky

NIKHEF [01]
DA October 19, 1977
UF *National Instituut Voor Kernfysica en Hogeenergiefysica*
BT1 Netherlands Organizations
BT2 National Organizations

NILE RIVER [01]
DA December 1, 1974
BT1 Rivers
BT2 Streams
BT3 Surface Waters
RT Egyptian Arab Republic
RT Sudan

Nilsson Model
DA December 1, 1974
USE Nilsson-Mottelson Model

NILSSON-MOTTELSON MODEL [01]
DA December 1, 1974
UF *Approximation (Bohr)*
UF *Bohr Approximation*
UF *Bohr-Mottelson Model*
UF *Mottelson-Nilsson Model*
UF *Nilsson Model*
UF *Nilsson Potential*
UF *Nilsson Scheme*
BT1 Nuclear Models
BT2 Mathematical Models

Nilsson Potential
DA December 1, 1974
USE Nilsson-Mottelson Model

Nilsson Scheme
DA December 1, 1974
USE Nilsson-Mottelson Model

NIM
DA January 28, 1975
USE Nuclear Instrument Modules

NIMBUS SATELLITES [01]
DA March 4, 1980
BT1 Satellites

NIMONIC [01]
DA December 1, 1974
BT1 Nickel Base Alloys
BT2 Nickel Alloys
BT3 Alloys
NT1 Alloy-Ni43Fe33Cr16Mo3
NT2 Nimonic PE16
NT1 Alloy-Ni48Cr22Fe18Mo9
NT2 Nimonic PE13
NT1 Alloy-Ni50Co20Cr15Al5Mo5
NT2 Nimonic 105
NT1 Alloy-Ni59Cr20Co17Ti2
NT2 Nimonic 90
NT1 Alloy-Ni65Cr25Mo10
NT2 Nimonic 86
NT1 Alloy-Ni76Cr15Fe8
NT2 Inconel 600
NT1 Alloy-Ni76Cr20Ti2
NT2 Nimonic 80A
NT1 Nimonic 115
NT1 Nimonic 115A
RT Inconel Alloys

NIMONIC 80A
DA May 15, 1975
BT1 Alloy-Ni76Cr20Ti2
BT2 Aluminium Alloys
BT3 Alloys
BT2 Boron Additions
BT3 Boron Alloys
BT4 Alloys
BT2 Chromium Alloys
BT3 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Nimonic
BT3 Nickel Base Alloys
BT4 Nickel Alloys
BT5 Alloys
BT2 Titanium Alloys
BT3 Alloys
BT2 Zirconium Additions
BT3 Zirconium Alloys
BT4 Alloys

NIMONIC 86
DA February 23, 1982
BT1 Alloy-Ni65Cr25Mo10
BT2 Chromium Alloys
BT3 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Molybdenum Alloys
BT3 Alloys
BT2 Nimonic
BT3 Nickel Base Alloys
BT4 Nickel Alloys
BT5 Alloys

NIMONIC 90
DA June 3, 1977
BT1 Alloy-Ni59Cr20Co17Ti2
BT2 Aluminium Alloys
BT3 Alloys
BT2 Boron Additions
BT3 Boron Alloys
BT4 Alloys
BT2 Chromium Alloys
BT3 Alloys
BT2 Cobalt Alloys
BT3 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Iron Alloys
BT3 Alloys
BT2 Nimonic
BT3 Nickel Base Alloys
BT4 Nickel Alloys
BT5 Alloys
BT2 Titanium Alloys
BT3 Alloys
BT2 Zirconium Additions
BT3 Zirconium Alloys
BT4 Alloys

NIMONIC 105
DA January 24, 1975
BT1 Alloy-Ni50Co20Cr15Al5Mo5
BT2 Aluminium Alloys
BT3 Alloys
BT2 Chromium Alloys
BT3 Alloys
BT2 Cobalt Alloys
BT3 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Iron Alloys
BT3 Alloys
BT2 Molybdenum Alloys
BT3 Alloys
BT2 Nimonic
BT3 Nickel Base Alloys
BT4 Nickel Alloys
BT5 Alloys
BT2 Titanium Alloys
BT3 Alloys

NIMONIC 115
DA January 24, 1975
BT1 Aluminium Alloys
BT2 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Cobalt Alloys
BT2 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Nimonic
BT2 Nickel Base Alloys
BT3 Nickel Alloys
BT4 Alloys

NIMONIC 115A
DA January 24, 1975
BT1 Nimonic
BT2 Nickel Base Alloys
BT3 Nickel Alloys
BT4 Alloys

NIMONIC PE13
DA October 23, 1979
BT1 Alloy-Ni48Cr22Fe18Mo9
BT2 Chromium Alloys
BT3 Alloys
BT2 Cobalt Alloys
BT3 Alloys
BT2 Copper Additions
BT3 Copper Alloys
BT4 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Iron Alloys
BT3 Alloys
BT2 Molybdenum Alloys
BT3 Alloys
BT2 Nimonic
BT3 Nickel Base Alloys
BT4 Nickel Alloys
BT5 Alloys
BT2 Tungsten Additions
BT3 Tungsten Alloys
BT4 Alloys

NIMONIC PE16
DA May 6, 1975
BT1 Alloy-Ni43Fe33Cr16Mo3
BT2 Aluminium Alloys
BT3 Alloys
BT2 Boron Additions
BT3 Boron Alloys
BT4 Alloys
BT2 Chromium Alloys
BT3 Alloys
BT2 Cobalt Additions
BT3 Cobalt Alloys
BT4 Alloys
BT2 Copper Additions
BT3 Copper Alloys
BT4 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Iron Alloys
BT3 Alloys
BT2 Molybdenum Alloys
BT3 Alloys
BT2 Nimonic
BT3 Nickel Base Alloys
BT4 Nickel Alloys
BT5 Alloys
BT2 Titanium Alloys
BT3 Alloys
BT2 Zirconium Additions
BT3 Zirconium Alloys
BT4 Alloys

NIMROD [01]
DA December 1, 1974
UF *Harwell Synchrotron*
BT1 Synchrotrons
BT2 Cyclic Accelerators
BT3 Accelerators

NINA [01]
DA December 1, 1974
UF *Daresbury Synchrotron*
BT1 Synchrotrons
BT2 Cyclic Accelerators
BT3 Accelerators

NINE MILE POINT-1 REACTOR [01]
(Scriba, New York, USA)
DA December 1, 1974
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

NINE MILE POINT-2 REACTOR [01]
(Scriba, New York, USA)
DA December 1, 1974
UF *Osweso Nuclear Power Plant*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

NINGYOITE [01]
DA December 1, 1974
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
RT Phosphate Minerals
RT Uranium Phosphates

NINHYDRIN [01]
DA December 1, 1974
UF *Triketohydrindane*
BT1 Ketones
BT2 Organic Compounds
BT1 Reagents
RT Aromatics

NIOBATES [01]
(Specific compounds should be indexed by coordination of a descriptor in the form (CATION) COMPOUNDS and the above anion descriptor.)
DA December 1, 1974
BT1 Niobium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Oxygen Compounds

NIOBIUM [01]
DA December 1, 1974
UF *Columbium*
BT1 Transition Elements
BT2 Metals
BT3 Elements
NT1 Niobium-Alpha
NT1 Niobium-Beta
RT Refractory Metals

NIOBIUM 83 [01]
DA October 28, 1988
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Niobium Isotopes
BT2 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

NIOBIUM 84 [01]
DA November 28, 1977
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Niobium Isotopes
BT2 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

NIOBIUM 85 [01]
DA May 6, 1980
BT1 Beta Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Niobium Isotopes
BT2 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

NIOBIUM 86 [01]
DA December 1, 1974
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Niobium Isotopes
BT2 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

NIOBIUM 87 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Niobium Isotopes
BT2 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

NIOBIUM 88 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Niobium Isotopes
BT2 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

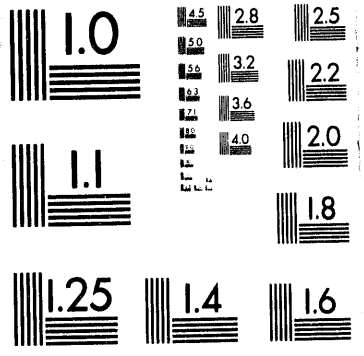
NIOBIUM 89 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Niobium Isotopes
BT2 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

NIOBIUM 90 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Niobium Isotopes
BT2 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

NIOBIUM 91 [01]
DA December 1, 1974
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Niobium Isotopes
BT2 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

NIOBIUM 91 TARGET [01]
DA March 4, 1977
BT1 Targets

NIOBIUM 92 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Niobium Isotopes
BT2 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes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NIOBIUM 92 TARGET [01]
DA March 23, 1983
BT1 Targets

NIOBIUM 93 [01]
DA December 1, 1974
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Niobium Isotopes
BT2 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
RT Niobium 93 Reactions

NIOBIUM 93 REACTIONS [01]
DA March 12, 1976
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions
RT Niobium 93

NIOBIUM 93 TARGET [01]
DA July 9, 1976
BT1 Targets

NIOBIUM 94 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Niobium Isotopes
BT2 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

NIOBIUM 94 TARGET [01]
DA November 1, 1976
BT1 Targets

NIOBIUM 95 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Niobium Isotopes
BT2 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

NIOBIUM 95 TARGET [01]
DA January 30, 1979
BT1 Targets

NIOBIUM 96 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Niobium Isotopes
BT2 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

NIOBIUM 96 TARGET [01]
DA November 1, 1976
BT1 Targets

NIOBIUM 97 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Niobium Isotopes
BT2 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

NIOBIUM 98 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Niobium Isotopes
BT2 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

NIOBIUM 99 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Niobium Isotopes
BT2 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

NIOBIUM 100 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Niobium Isotopes
BT2 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

NIOBIUM 101 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Niobium Isotopes
BT2 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

NIOBIUM 102 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Niobium Isotopes
BT2 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

NIOBIUM 103 [01]
DA January 24, 1975
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Niobium Isotopes
BT2 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

NIOBIUM 104 [01]
DA September 15, 1976
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Niobium Isotopes
BT2 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

NIOBIUM 105 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Niobium Isotopes
BT2 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

NIOBIUM 106 [01]
DA October 28, 1980
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Niobium Isotopes
BT2 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

NIOBIUM ADDITIONS [01]
DA December 1, 1974
BT1 Niobium Alloys
BT2 Alloys
NT1 Alloy-Fe31Cr21Co20Ni20Mo3W2
NT2 Alloy-HD-556
NT2 Alloy-N-155
NT1 Alloy-Fe36Ni33Cr26
NT1 Alloy-Ni45Fe34Cr20
NT1 Alloy-Ni46Cr23Co19Ti5Al4
NT2 Alloy-IN-939
NT1 Alloy-Ni61Cr16Co9Al3Ti3W3
NT2 Alloy-IN-738
NT1 Alloy-Ni73Cr15Fe7Ti3
NT2 Inconel X750
NT1 Alloy-YuNDK 25BA
NT1 Steel-Cr2MoNiNb
NT1 Steel-Cr9MoNbV
NT2 Steel-Z10CdNBV9
NT1 Steel-Cr16Ni13MoNbV
NT1 Steel-Cr16Ni15Mo3Nb
NT1 Steel-Cr16Ni16MoNb
NT1 Steel-Cr17Cu4Ni4Nb-L
NT1 Steel-Cr17Ni4Cu4Nb-L
NT1 Steel-Cr17Ni12MoNb
NT1 Steel-Cr18Ni11Nb
NT2 Stainless Steel-347
NT1 Steel-Cr18Ni11NbCo
NT2 Stainless Steel-348

NIOBIUM ALLOYS [01]
DA December 1, 1974
BT1 Alloys
NT1 Alloy-Fe48Cr24Ni24
NT2 Alloy-IN-519
NT1 Alloy-IN-102
NT1 Alloy-KhN50MBVYu
NT1 Alloy-MN-21
NT1 Alloy-Ni41Fe40Cr16Nb3
NT2 Inconel 706
NT1 Alloy-Ni47Cr25Co12W9Fe3
NT2 Alloy-IN-643
NT2 Inconel 643
NT1 Alloy-Ni53Cr19Fe19Nb5Mo3
NT2 Inconel 718
NT1 Alloy-Ni58Cr14Co8Al4Mo4Nb4W4
NT2 Rene 95
NT1 Alloy-Ni60Mo13Co9Cr8Nb4Al3
NT1 Alloy-Ni61Cr22Mo9Nb4Fe3
NT2 Inconel 625
NT1 Alloy-Ni73Cr20Mn3Nb3
NT2 Inconel 82
NT1 Alloy-Ni74Cr13Al6Mo4
NT2 Inconel 713C
NT1 Alloy-Ni75Cr12Al6Mo5
NT2 Inconel 713LC
NT1 Alloy-S-590
NT1 Alloy-S-816
NT1 Alloy-U90Nb7Zr3
NT2 Mulberry Alloy
NT1 Alloy-V-36
NT1 Alloy-Zr97Nb3
NT1 Manaurite 36X
NT1 Manaurite 900
NT1 Mulberry Alloy
* **NT1** Niobium Additions
* **NT1** Niobium Base Alloys
NT1 Rene 95
NT1 Steel-In-787

NIOBIUM-ALPHA [01]
DA December 1, 1974
BT1 Niobium
BT2 Transition Elements
BT3 Metals
BT4 Elements

NIOBIUM ARSENIDES [01]
DA May 24, 1982
BT1 Arsenides
BT2 Arsenic Compounds
BT2 Pnictides
BT1 Niobium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

NIOBIUM BASE ALLOYS [01]
DA December 1, 1974
UF *Alloy-B-66*
UF *Alloy-B-88*
UF *Alloy-C-129Y*
UF *Alloy-CB-1*
UF *Alloy-CB-752*
UF *Alloy-D-43*
UF *Alloy-DH-245*
UF *Alloy-FS-85*
UF *Alloy SU31*
UF *Alloy-VUS-6*
SF *Alloy-VN-3*
BT1 Niobium Alloys
BT2 Alloys
NT1 Alloy-C-103
NT1 Alloy-N-9M
NT1 Alloy-N-10M
NT1 Alloy-Nb94Mo4
NT1 Alloy-NT25A5

NIOBIUM-BETA [01]
DA December 1, 1974
BT1 Niobium
BT2 Transition Elements
BT3 Metals
BT4 Elements

NIOBIUM BORIDES [01]
DA December 1, 1974
BT1 Borides
BT2 Boron Compounds
BT1 Niobium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

NIOBIUM BROMIDES [01]
DA December 1, 1974
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Niobium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

NIOBIUM CARBIDES [01]
DA December 1, 1974
BT1 Carbides
BT2 Carbon Compounds
BT1 Niobium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

NIOBIUM CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Niobium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

NIOBIUM COMPLEXES [01]
DA December 1, 1974
BT1 Transition Element Complexes
BT2 Complexes

NIOBIUM COMPOUNDS [01]
DA December 1, 1974
BT1 Refractory Metal Compounds
BT1 Transition Element Compounds
NT1 Niobates
NT1 Niobium Arsenides
NT1 Niobium Borides
NT1 Niobium Bromides
NT1 Niobium Carbides
NT1 Niobium Chlorides
NT1 Niobium Fluorides
NT1 Niobium Hydrides
NT1 Niobium Hydroxides
NT1 Niobium Iodides
NT1 Niobium Nitrates
NT1 Niobium Nitrides
NT1 Niobium Oxides
NT2 Ellsworthite
NT2 Lyndochite
NT2 Marignacite
NT2 Tapiolite
NT1 Niobium Phosphates
NT1 Niobium Phosphides
NT1 Niobium Selenides
NT1 Niobium Silicates
NT2 Mesodialyte
NT1 Niobium Silicides
NT1 Niobium Sulfates
NT1 Niobium Sulfides
NT1 Niobium Tellurides

NIOBIUM FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Niobium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

NIOBIUM HYDRIDES [01]
DA December 1, 1974
BT1 Hydrides
BT2 Hydrogen Compounds
BT1 Niobium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

NIOBIUM HYDROXIDES [01]
DA December 1, 1974
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds
BT1 Niobium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

NIOBIUM IODIDES [01]
DA December 1, 1974
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds
BT1 Niobium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

NIOBIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

NIOBIUM ISOTOPES [01]
DA December 1, 1974
BT1 Isotopes
NT1 Niobium 83
NT1 Niobium 84
NT1 Niobium 85
NT1 Niobium 86
NT1 Niobium 87
NT1 Niobium 88
NT1 Niobium 89

NT1 Niobium 90
NT1 Niobium 91
NT1 Niobium 92
NT1 Niobium 93
NT1 Niobium 94
NT1 Niobium 95
NT1 Niobium 96
NT1 Niobium 97
NT1 Niobium 98
NT1 Niobium 99
NT1 Niobium 100
NT1 Niobium 101
NT1 Niobium 102
NT1 Niobium 103
NT1 Niobium 104
NT1 Niobium 105
NT1 Niobium 106

NIOBIUM NITRATES [01]
DA December 1, 1974
BT1 Niobium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds

NIOBIUM NITRIDES [01]
DA December 1, 1974
BT1 Niobium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides

NIOBIUM ORES [01]
DA December 1, 1974
BT1 Ores

NIOBIUM OXIDES [01]
DA December 1, 1974
BT1 Niobium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds
NT1 Ellsworthite
NT1 Lyndochite
NT1 Marignacite
NT1 Tapiolite
RT Aeschynite
RT Hatchettolite
RT Oxide Minerals

NIOBIUM PHOSPHATES [01]
DA December 1, 1974
BT1 Niobium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds

NIOBIUM PHOSPHIDES [01]
DA September 14, 1976
BT1 Niobium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Phosphides
BT2 Phosphorus Compounds
BT2 Pnictides

NIOBIUM SELENIDES [01]
DA January 24, 1975
BT1 Niobium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Selenides
BT2 Chalcogenides
BT2 Selenium Compounds

NIOBIUM SILICATES [01]
DA December 1, 1974
BT1 Niobium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Silicates
BT2 Oxygen Compounds
BT2 Silicon Compounds
NT1 Mesodialyte
RT Silicate Minerals

NIOBIUM SILICIDES [01]
DA January 31, 1975
BT1 Niobium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Silicides
BT2 Silicon Compounds

NIOBIUM SULFATES [01]
DA December 1, 1974
BT1 Niobium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds

NIOBIUM SULFIDES [01]
DA December 1, 1974
BT1 Niobium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds

NIOBIUM TELLURIDES [01]
DA November 11, 1975
BT1 Niobium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds

NIOSH
(Prior to January 1992 this was a valid descriptor.)
DA March 29, 1980
USE US NIOSH

NIPER
(Prior to November 1991 this was a valid descriptor.)
DA May 8, 1984
USE US NIPER

NIPPOSTRONGYLUS [01]
DA December 1, 1974
BT1 Hookworm
BT2 Nematodes
BT3 Aschelminthes
BT4 Helminths
BT5 Parasites
RT Gastrointestinal Tract
RT Rodents

NIRS CYCLOTRON [01]
(Installed at the National Institute of Radiological Science in Japan.)
DA January 24, 1980
UF *National Institute of Radiological Science Cyclotron*
BT1 Isochronous Cyclotrons
BT2 Cyclotrons
BT3 Cyclic Accelerators
BT4 Accelerators

NISUS FACILITY [01]
DA December 1, 1974
UF *Neutron International Standard Uranium Source*
BT1 Neutron Sources
BT2 Particle Sources
BT3 Radiation Sources
RT Calibration Standards
RT Fast Neutrons
RT Measuring Instruments

NITELLA [01]
DA December 1, 1974
BT1 Chlorophycota
BT2 Algae
BT3 Plants

NITINOL
DA August 25, 1976
BT1 Nickel Alloys
BT2 Alloys
BT1 Titanium Alloys
BT2 Alloys
DEF Shape memory alloys of Ti and Ni.

NITINOL HEAT ENGINES
DA November 11, 1975
BT1 Heat Engines
BT2 Engines
RT Shape Memory Effect
RT Solar Heat Engines
DEF A heat engine with the thermo-mechanical converter consisting of a solid state system incorporating the shape memory intermetallic nickel titanium compound called Nitinol as its working fluid.

NITRATES [01]
DA December 1, 1974
UF+ *Palladium Nitrates*
BT1 Nitrogen Compounds
BT1 Oxygen Compounds
NT1 Aluminium Nitrates
NT1 Americium Nitrates
NT1 Ammonium Nitrates
NT1 Barium Nitrates
NT1 Berkelium Nitrates
NT1 Beryllium Nitrates
NT1 Bismuth Nitrates
NT1 Cadmium Nitrates
NT1 Calcium Nitrates
NT1 Californium Nitrates
NT1 Cerium Nitrates
NT1 Cesium Nitrates
NT1 Chlorine Nitrates
NT1 Chromium Nitrates
NT1 Cobalt Nitrates
NT1 Copper Nitrates
NT1 Curium Nitrates
NT1 Dysprosium Nitrates
NT1 Einsteinium Nitrates
NT1 Erbium Nitrates
NT1 Europium Nitrates
NT1 Gadolinium Nitrates
NT1 Gallium Nitrates
NT1 Hafnium Nitrates
NT1 Holmium Nitrates
NT1 Indium Nitrates
NT1 Iron Nitrates
NT1 Lanthanum Nitrates
NT1 Lead Nitrates
NT1 Lithium Nitrates
NT1 Lutetium Nitrates
NT1 Magnesium Nitrates
NT1 Manganese Nitrates
NT1 Mercury Nitrates
NT1 Molybdenum Nitrates
NT1 Neodymium Nitrates
NT1 Neptunium Nitrates
NT1 Nickel Nitrates
NT1 Niobium Nitrates
NT1 Peroxyacetyl Nitrate
NT1 PETN
NT1 Plutonium Nitrates
NT1 Polonium Nitrates
NT1 Potassium Nitrates
NT1 Praseodymium Nitrates
NT1 Promethium Nitrates
NT1 Protactinium Nitrates
NT1 Radium Nitrates
NT1 Rubidium Nitrates
NT1 Ruthenium Nitrates
NT1 Samarium Nitrates
NT1 Scandium Nitrates
NT1 Silver Nitrates
NT1 Sodium Nitrates
NT1 Strontium Nitrates
NT1 Tantalum Nitrates
NT1 Tellurium Nitrates
NT1 Terbium Nitrates
NT1 Thallium Nitrates
NT1 Thorium Nitrates
NT1 Thulium Nitrates
NT1 Titanium Nitrates
NT1 Uranium Nitrates
NT1 Uranyl Nitrates
NT2 UNH
NT1 Vanadium Nitrates
NT1 Ytterbium Nitrates
NT1 Yttrium Nitrates
NT1 Zinc Nitrates

NT1 Zirconium Nitrates
RT Oxynitrates

NITRATION [01]
DA February 19, 1976
RT Chemical Reactions
RT Nitrogen

NITRIC ACID [01]
DA December 1, 1974
UF *Hydrogen Nitrates*
BT1 Inorganic Acids
BT2 Hydrogen Compounds
RT Aqua Regia
RT Denitration

NITRIC ACID ESTERS [01]
DA December 1, 1974
UF *Methyl Nitrate*
BT1 Esters
BT2 Organic Compounds
NT1 Nitrocellulose
NT1 Nitroglycerin
NT1 Peroxyacetyl Nitrate
NT1 PETN

NITRIC OXIDE [01]
(NO.)
DA January 7, 1976
BT1 Nitrogen Oxides
BT2 Nitrogen Compounds
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds

NITRIDATION [01]
DA December 1, 1974
BT1 Chemical Reactions
RT Nitrides

NITRIDES [01]
DA December 1, 1974
UF+ *Rhodium Nitrides*
BT1 Nitrogen Compounds
BT1 Pnictides
NT1 Aluminium Nitrides
NT1 Americium Nitrides
NT1 Argon Nitrides
NT1 Barium Nitrides
NT1 Berkelium Nitrides
NT1 Beryllium Nitrides
NT1 Boron Nitrides
NT1 Calcium Nitrides
NT1 Californium Nitrides
NT1 Carbon Nitrides
NT1 Cerium Nitrides
NT1 Cesium Nitrides
NT1 Chromium Nitrides
NT1 Copper Nitrides
NT1 Curium Nitrides
NT1 Dysprosium Nitride
NT1 Einsteinium Nitrides
NT1 Erbium Nitrides
NT1 Europium Nitrides
NT1 Fermium Nitrides
NT1 Gadolinium Nitrides
NT1 Gallium Nitrides
NT1 Germanium Nitrides
NT1 Hafnium Nitrides
NT1 Helium Nitrides
NT1 Holmium Nitrides
NT1 Indium Nitrides
NT1 Iron Nitrides
NT1 Lanthanum Nitrides
NT1 Lead Nitrides
NT1 Lithium Nitrides
NT1 Magnesium Nitrides
NT1 Manganese Nitrides
NT1 Mendelevium Nitrides
NT1 Molybdenum Nitrides
NT1 Neodymium Nitrides
NT1 Neptunium Nitrides
NT1 Nickel Nitrides
NT1 Niobium Nitrides
NT1 Nobelium Nitrides
NT1 Palladium Nitrides
NT1 Phosphorus Nitrides
NT1 Plutonium Nitrides
NT1 Potassium Nitrides
NT1 Praseodymium Nitrides
NT1 Rhenium Nitrides
NT1 Ruthenium Nitrides
NT1 Samarium Nitrides
NT1 Scandium Nitrides
NT1 Silicon Nitrides
NT1 Silver Nitrides
NT1 Sodium Nitrides
NT1 Sulfur Nitrides
NT1 Tantalum Nitrides
NT1 Terbium Nitrides
NT1 Thorium Nitrides
NT1 Thulium Nitrides
NT1 Tin Nitrides
NT1 Titanium Nitrides
NT1 Tungsten Nitrides
NT1 Uranium Nitrides
NT1 Vanadium Nitrides
NT1 Ytterbium Nitrides
NT1 Yttrium Nitrides
NT1 Zinc Nitrides
NT1 Zirconium Nitrides
RT Carbonitrides
RT Nitridation

NITRIFICATION
DA August 4, 1981
BT1 Chemical Reactions
RT Denitrification
RT Nitrogen
RT Nitrogen Compounds
RT Nitrogen Cycle
RT Nitrogen Fixation
DEF The oxidation by bacteria of ammonium salts to nitrites and the further oxidation to nitrates under proper conditions of temperature, moisture, and alkalinity.

NITRILES [01]
DA December 1, 1974
UF+ *Polyacrylonitrile*
BT1 Organic Nitrogen Compounds
BT2 Organic Compounds
NT1 Acetonitrile
NT1 Acrylonitrile
NT1 Propiolonitrile
NT1 TTF-TCNQ
RT Carboxylic Acids
RT Isonitriles

Nitrilotriacetic Acid
DA December 1, 1974
USE NTA

NITRITES [01]
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
DA December 1, 1974
BT1 Nitrogen Compounds
BT1 Oxygen Compounds

NITRO COMPOUNDS [01]
DA December 1, 1974
BT1 Organic Nitrogen Compounds
BT2 Organic Compounds
NT1 Dinitrophenol
NT1 DPPH
NT1 Metronidazole
NT1 Nitrobenzene
NT1 Nitromethane
NT1 Nitrophenol
NT1 Picric Acid
NT1 Polycyclic Nitro Compounds
NT1 SDPPH
NT1 Tetryl
NT1 TNT

NITRO-GROUP DEHYDROGENASES
(Code number 1.7)
DA January 12, 1981
BT1 Oxidoreductases
BT2 Enzymes
BT3 Proteins
BT4 Organic Compounds
NT1 Nitrogenase
NT1 Nitroreductases
NT1 Uricase

NITROBENZENE [01]
DA December 1, 1974
BT1 Nitro Compounds
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
RT Benzene

NITROCELLULOSE [01]
DA December 1, 1974
UF *Collodion*
UF *Gun Cotton*
UF *Pyroxylin*
BT1 Cellulose Esters
BT2 Esters
BT3 Organic Compounds
BT1 Chemical Explosives
BT2 Explosives
BT1 Nitric Acid Esters
BT2 Esters
BT3 Organic Compounds
BT1 Polysaccharides
BT2 Saccharides
BT3 Carbohydrates
BT4 Organic Compounds
RT Celluloid

NITROGEN [01]
DA December 1, 1974
UF *Nitrogen Nitrides*
BT1 Nonmetals
BT2 Elements
RT Cryogenic Fluids
RT Denitrification
RT Inert Atmosphere
RT Kjeldahl Method
RT Nitration
RT Nitrification
RT Nitrogen Fixation
RT Tioga Nitrogen Removal Process

NITROGEN 11 [01]
DA December 1, 1974
BT1 Light Nuclei
BT2 Nuclei
BT1 Nitrogen Isotopes
BT2 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

NITROGEN 12 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Nitrogen Isotopes
BT2 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

NITROGEN 12 TARGET [01]
DA July 9, 1976
BT1 Targets

NITROGEN 13 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Nitrogen Isotopes
BT2 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

NITROGEN 13 BEAMS [01]
DA December 5, 1988
BT1 Radioactive Ion Beams
BT2 Ion Beams
BT3 Beams

→**NITROGEN 13 REACTIONS [01]**
DA February 21, 1992
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

NITROGEN 13 TARGET [01]
DA July 9, 1976
BT1 Targets

NITROGEN 14 [01]
DA December 1, 1974
BT1 Light Nuclei
BT2 Nuclei
BT1 Nitrogen Isotopes
BT2 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
RT Nitrogen 14 Beams
RT Nitrogen 14 Reactions

NITROGEN 14 BEAMS [01]
DA December 1, 1974
BT1 Ion Beams
BT2 Beams
RT Nitrogen 14

NITROGEN 14 REACTIONS [01]
DA December 1, 1974
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions
RT Nitrogen 14

NITROGEN 14 TARGET [01]
DA July 9, 1976
BT1 Targets

NITROGEN 15 [01]
DA December 1, 1974
BT1 Light Nuclei
BT2 Nuclei
BT1 Nitrogen Isotopes
BT2 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
RT Nitrogen 15 Reactions

NITROGEN 15 BEAMS [01]
DA May 23, 1980
BT1 Ion Beams
BT2 Beams

NITROGEN 15 REACTIONS [01]
DA December 1, 1974
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions
RT Nitrogen 15

NITROGEN 15 TARGET [01]
DA July 9, 1976
BT1 Targets

NITROGEN 16 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Nitrogen Isotopes
BT2 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

NITROGEN 16 TARGET [01]
DA November 10, 1977
BT1 Targets

NITROGEN 17 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Nitrogen Isotopes
BT2 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

NITROGEN 18 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Nitrogen Isotopes
BT2 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

NITROGEN 19 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Nitrogen Isotopes
BT2 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

NITROGEN 20 [01]
DA February 19, 1975
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Nitrogen Isotopes
BT2 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

NITROGEN 21 [01]
DA December 5, 1988
BT1 Light Nuclei
BT2 Nuclei
BT1 Nitrogen Isotopes
BT2 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

NITROGEN 22 [01]
DA January 24, 1975
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Nitrogen Isotopes
BT2 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

NITROGEN 23 [01]
DA October 25, 1985
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Neutron-Rich Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Nitrogen Isotopes
BT2 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

NITROGEN ADDITIONS [01]
DA December 1, 1974
BT1 Alloys
NT1 Alloy-Fe31Cr21Co20Ni20Mo3W2
NT2 Alloy-HD-556
NT2 Alloy-N-155
NT1 Steel-Cr17Mn15NNi
NT2 Tenelon
NT1 Steel-NiCrMo

NITROGEN BROMIDES [01]
DA December 8, 1980
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Nitrogen Compounds

NITROGEN CARBIDES [01]
DA December 1, 1974
BT1 Carbides
BT2 Carbon Compounds
BT1 Nitrogen Compounds

NITROGEN CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Nitrogen Compounds

NITROGEN COMPLEXES [01]
DA December 1, 1974
BT1 Complexes

NITROGEN COMPOUNDS [01]
DA December 1, 1974
NT1 Azides
NT1 Carbonitrides
NT1 Cyanates
NT1 Hydrazine
NT1 Isocyanic Acid
* **NT1** Nitrates
* **NT1** Nitrides
NT1 Nitrites
NT1 Nitrogen Bromides
NT1 Nitrogen Carbides
NT1 Nitrogen Chlorides
NT1 Nitrogen Fluorides
NT1 Nitrogen Hydrides
NT2 Ammonia
NT1 Nitrogen Iodides
NT1 Nitrogen Oxides
NT2 Nitric Oxide
NT2 Nitrogen Dioxide
NT2 Nitrous Oxide
NT1 Oxynitrates
RT Denitrification
RT Nitrification
RT Organic Nitrogen Compounds

NITROGEN COOLED REACTORS [01]
DA May 6, 1975
BT1 Gas Cooled Reactors
BT2 Reactors
NT1 HTLTR Reactor
NT1 ML-1 Reactor
NT1 Zenith Reactor

NITROGEN CYCLE [01]
DA April 4, 1975
RT Fertilizers
RT Metabolism
RT Mineral Cycling
RT Nitrification
RT Nitrogen Fixation

NITROGEN DIOXIDE [01]
(NO_2.)
DA January 7, 1976
BT1 Nitrogen Oxides
BT2 Nitrogen Compounds
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds

NITROGEN FIXATION [01]
DA December 1, 1974
RT Air
RT Bacteria
RT Frankia
RT Metabolism
RT Nitrification
RT Nitrogen
RT Nitrogen Cycle
RT Plant Growth
RT Soils

NITROGEN FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Nitrogen Compounds

NITROGEN HYDRIDES [01]
DA December 1, 1974
BT1 Hydrides
BT2 Hydrogen Compounds
BT1 Nitrogen Compounds
NT1 Ammonia

NITROGEN IODIDES [01]
DA January 24, 1975
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds
BT1 Nitrogen Compounds

NITROGEN IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

NITROGEN ISOTOPES [01]
DA December 1, 1974
BT1 Isotopes
NT1 Nitrogen 11
NT1 Nitrogen 12
NT1 Nitrogen 13
NT1 Nitrogen 14
NT1 Nitrogen 15
NT1 Nitrogen 16
NT1 Nitrogen 17
NT1 Nitrogen 18
NT1 Nitrogen 19
NT1 Nitrogen 20
NT1 Nitrogen 21
NT1 Nitrogen 22
NT1 Nitrogen 23

NITROGEN MUSTARD [01]
DA December 1, 1974
UF *Bis(chlorethyl)amine*
UF *Dichlorodiethylamine*
UF *Mustard (Nitrogen)*
BT1 Alkylating Agents
BT1 Amines
BT2 Organic Compounds
BT1 Organic Chlorine Compounds
BT2 Organic Halogen Compounds
BT3 Organic Compounds
RT Mutagens

Nitrogen Nitrides
DA December 1, 1974
USE Nitrogen

NITROGEN OXIDES [01]
DA December 1, 1974
BT1 Nitrogen Compounds
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds
NT1 Nitric Oxide
NT1 Nitrogen Dioxide
NT1 Nitrous Oxide
RT Greenhouse Gases
RT Selective Catalytic Reduction

Nitrogen Sulfides
DA December 1, 1974
USE Sulfur Nitrides

NITROGEN TRANSFERASES [01]
(Code number 2.6.)
DA January 30, 1981
BT1 Transferases
BT2 Enzymes
BT3 Proteins
BT4 Organic Compounds
NT1 Aminotransferases

NITROGENASE [01]
DA January 12, 1981
UF *Nitrogenases*
BT1 Nitro-Group Dehydrogenases
BT2 Oxidoreductases
BT3 Enzymes
BT4 Proteins
BT5 Organic Compounds

Nitrogenases
(Prior to January 1981, this was a valid descriptor and prior material is so indexed.)
DA December 11, 1978
USE Nitrogenase

NITROGLYCERIN
DA June 12, 1975
BT1 Chemical Explosives
BT2 Explosives
BT1 Nitric Acid Esters
BT2 Esters
BT3 Organic Compounds
RT Glycerol

2-Nitroinidazole
DA January 27, 1981
USE Misonidazole

NITROMETHANE [01]
DA September 14, 1976
BT1 Chemical Explosives
BT2 Explosives
BT1 Nitro Compounds
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds

Nitronic 40
DA December 10, 1979
USE Stainless Steel-21-6-9

NITROPHENOL [01]
DA May 6, 1975
BT1 Nitro Compounds
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
BT1 Phenols
BT2 Aromatics
BT3 Organic Compounds
BT2 Hydroxy Compounds
BT3 Organic Compounds
RT Dinitrophenol

NITROREDUCTASES
DA June 29, 1984
BT1 Nitro-Group Dehydrogenases
BT2 Oxidoreductases
BT3 Enzymes
BT4 Proteins
BT5 Organic Compounds
DEF A group of enzymes involved in the reduction of nitrate compounds.

NITROSAMINES
DA January 21, 1982
BT1 Amines
BT2 Organic Compounds
BT1 Nitroso Compounds
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
RT Carcinogens
RT Mutagens

1-NITROSO-2-NAPHTHOL [01]
DA December 1, 1974
UF *Alpha-Nitroso-beta-Naphthol*
UF *ANBN*
BT1 Naphthols
BT2 Phenols
BT3 Aromatics
BT4 Organic Compounds
BT3 Hydroxy Compounds
BT4 Organic Compounds
BT1 Nitroso Compounds
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
BT1 Reagents

NITROSO COMPOUNDS [01]
DA December 1, 1974
UF *Dinitrosoresorcinol*
BT1 Organic Nitrogen Compounds
BT2 Organic Compounds
NT1 1-Nitroso-2-Naphthol
NT1 Methyl Nitrosourea
NT1 Nitrosamines
NT1 Nitroso-R Salt
NT1 Nitrosoureas

NITROSO-R SALT [01]
DA December 1, 1974
BT1 Naphthols
BT2 Phenols
BT3 Aromatics
BT4 Organic Compounds
BT3 Hydroxy Compounds
BT4 Organic Compounds
BT1 Nitroso Compounds
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
BT1 Sulfonic Acids
BT2 Organic Acids
BT3 Organic Compounds
BT2 Organic Sulfur Compounds
BT3 Organic Compounds

NITROSOUREAS [01]
DA June 29, 1984
BT1 Nitroso Compounds
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
RT Urea

NITROUS ACID [01]
DA December 1, 1974
BT1 Inorganic Acids
BT2 Hydrogen Compounds

NITROUS ACID ESTERS
DA December 16, 1976
BT1 Esters
BT2 Organic Compounds

NITROUS OXIDE [01]
(N_2O.)
DA January 7, 1976
BT1 Nitrogen Oxides
BT2 Nitrogen Compounds
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
RT Anesthetics

NITROXYL RADICALS [01]
DA September 22, 1981
BT1 Radicals

NMP
DA November 7, 1979
USE Net Material Product

NMR
DA December 1, 1974
USE Nuclear Magnetic Resonance

NMR IMAGING [01]
DA November 18, 1986
BT1 Diagnostic Techniques
RT Nuclear Magnetic Resonance

NMR Logging
DA June 7, 1976
USE Nuclear Magnetic Logging

NMR SPECTRA [01]
DA July 6, 1978
BT1 Spectra
RT Nuclear Magnetic Resonance

NMR SPECTROMETERS [01]
DA December 1, 1974
BT1 Spectrometers
BT2 Measuring Instruments

NN-2170 DIBARYONS [01]
DA March 16, 1988
BT1 Dibaryons
BT2 Baryons
BT3 Fermions
BT3 Hadrons
BT4 Elementary Particles

NN-2250 DIBARYONS [01]
DA March 16, 1988
BT1 Dibaryons
BT2 Baryons
BT3 Fermions
BT3 Hadrons
BT4 Elementary Particles

No. 2 Fuel Oil
DA March 11, 1976
USE Heating Oils

NOBELIUM [01]
DA December 1, 1974
BT1 Actinides
BT2 Metals
BT3 Elements
BT1 Transplutonium Elements
BT2 Transuranium Elements
BT3 Elements

NOBELIUM 250 [01]
DA November 26, 1975
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Microsec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Nobelium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

NOBELIUM 251 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Nobelium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

NOBELIUM 252 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Nobelium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

NOBELIUM 253 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Nobelium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

NOBELIUM 254 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Nobelium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

NOBELIUM 255 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Nobelium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

NOBELIUM 256 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Nobelium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

NOBELIUM 257 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Nobelium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

NOBELIUM 258 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Nobelium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

NOBELIUM 259 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Nobelium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

NOBELIUM 260 [01]
DA October 19, 1978
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Nobelium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

NOBELIUM 261 [01]
DA May 1, 1987
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Nobelium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

NOBELIUM 262 [01]
DA May 1, 1987
BT1 Actinide Nuclei

BT2 Heavy Nuclei
BT3 Nuclei
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Nobelium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

→**NOBELIUM 264 [01]**
DA April 16, 1993
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Nobelium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

NOBELIUM CARBIDES [01]
DA December 1, 1974
BT1 Carbides
BT2 Carbon Compounds
BT1 Nobelium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds

NOBELIUM CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Nobelium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds

NOBELIUM COMPLEXES [01]
DA December 1, 1974
BT1 Actinide Complexes
BT2 Complexes
BT1 Transuranium Complexes

NOBELIUM COMPOUNDS [01]
DA December 1, 1974
BT1 Actinide Compounds
BT1 Transplutonium Compounds
BT2 Transuranium Compounds
NT1 Nobelium Carbides
NT1 Nobelium Chlorides
NT1 Nobelium Nitrides
NT1 Nobelium Oxides
NT1 Nobelium Sulfides

NOBELIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

NOBELIUM ISOTOPES [01]
DA December 1, 1974
BT1 Actinide Isotopes
BT2 Isotopes
NT1 Nobelium 250
NT1 Nobelium 251
NT1 Nobelium 252
NT1 Nobelium 253
NT1 Nobelium 254
NT1 Nobelium 255
NT1 Nobelium 256
NT1 Nobelium 257
NT1 Nobelium 258
NT1 Nobelium 259
NT1 Nobelium 260
NT1 Nobelium 261
NT1 Nobelium 262
NT1 Nobelium 264

NOBELIUM NITRIDES [01]
DA December 1, 1974
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides
BT1 Nobelium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds

NOBELIUM OXIDES [01]
DA December 1, 1974
BT1 Nobelium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds

NOBELIUM SULFIDES [01]
DA December 1, 1974
BT1 Nobelium Compounds
BT2 Actinide Compounds
BT2 Transplutonium Compounds
BT3 Transuranium Compounds
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds

Noble Gases
DA December 1, 1974
USE Rare Gases

NOCARDIA [01]
DA December 1, 1974
BT1 Bacteria
BT2 Microorganisms
RT Actinomyces

NOCTILUCENT CLOUDS
DA January 24, 1975
BT1 Clouds
RT Airglow
RT Luminescence

NOCTURNAL VARIATIONS
DA July 9, 1980
BT1 Variations
RT Daily Variations

NODAL EXPANSION METHOD [01]
DA October 16, 1989
BT1 Calculation Methods
RT Finite Difference Method
RT Finite Element Method
RT Mathematics
RT Mesh Generation

→**NODULAR CORROSION [01]**
DA July 2, 1992
BT1 Corrosion
BT2 Chemical Reactions

NOGENT SUR SEINE-1 REACTOR [01]
DA September 5, 1984
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

NOGENT SUR SEINE-2 REACTOR [01]
DA September 5, 1984
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

NOGIZAWALITE [01]
DA December 1, 1974
BT1 Oxide Minerals
BT2 Minerals
BT1 Rare Earth Compounds
BT1 Zirconium Oxides
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT2 Zirconium Compounds
BT3 Transition Element Compounds

NOISE [01]
DA December 1, 1974
NT1 Background Noise
NT1 Radio Noise
NT2 Atmospherics
NT2 Whistlers
NT1 Seismic Noise
NT1 Temperature Noise
RT Fluctuations
RT Noise Pollution
RT Noise Pollution Abatement
RT Noise Pollution Control
RT Signal-to-Noise Ratio
RT Steam Mufflers

Noise (Reactor)
DA December 1, 1974
USE Reactor Noise

NOISE DOSEMETERS [01]
DA August 25, 1983
BT1 Measuring Instruments
RT Acoustic Measurements
RT Noise Pollution

NOISE POLLUTION [01]
DA March 4, 1977
BT1 Pollution
RT Noise
RT Noise Dosemeters
RT Noise Pollution Abatement
RT Noise Pollution Control
DEF Objectional or harmful levels of noise.

NOISE POLLUTION ABATEMENT [01]
(Use this term for items that involve the reduction of noise at the source.)
DA March 4, 1977
BT1 Pollution Abatement
RT Noise
RT Noise Pollution
RT Noise Pollution Control

NOISE POLLUTION CONTROL [01]
(Reduction of noise after it has been produced by a source.)
DA March 4, 1977
BT1 Pollution Control
BT2 Control
RT Noise
RT Noise Pollution
RT Noise Pollution Abatement
RT Pollution Control Equipment

NOISE THERMOMETERS [01]
DA January 24, 1975
BT1 In Core Instruments
BT2 Reactor Instrumentation
BT1 Thermometers
BT2 Measuring Instruments
RT Temperature Measurement
DEF A thermometer with operation based on the Nyquist theorem of thermal noise. The noise thermometer is independent of environmental influences that normally affect thermocouples, resistance thermometers, etc.

NOK-1 Reactor
DA December 1, 1974
USE Beznau-1 Reactor

NOK-2 Reactor
DA December 1, 1974
USE Beznau-2 Reactor

NOLEN-SCHIFFER ANOMALY [01]
DA December 1, 1974
RT Coulomb Energy
RT Isobaric Analogs

NOMOGRAMS [01]
DA December 1, 1974
BT1 Diagrams

Non-Canonical Dimension
DA April 4, 1975
USE Anomalous Dimension

NON-DISJUNCTION [01]
DA December 1, 1974
RT Aneuploidy
RT Cell Division
RT Genome Mutations

Non-Dispersive Ion Waves
DA December 1, 1974
USE Ion Acoustic Waves

NON-EQUILIBRIUM PLASMA [01]
DA December 1, 1974
BT1 Plasma
RT Equilibrium Plasma

NON-INDUCTIVE CURRENT DRIVE [01]
(Generation of a plasma current by a non-inductive technique.)
DA July 9, 1987
NT1 Lower Hybrid Current Drive
RT Bootstrap Current
RT Current-Drive Heating
RT Electric Currents
RT Plasma

Non Lagrangian Quantum Field Theory
DA March 8, 1978
USE Axiomatic Field Theory

NON-PEPTIDE C-N HYDROLASES [01]
(Code Number 3.5.)
DA January 12, 1981
BT1 Hydrolases
BT2 Enzymes
BT3 Proteins
BT4 Organic Compounds
NT1 Amidases
NT2 Arginase
NT1 Amidinases
NT2 Urease

NON-PROLIFERATION POLICY [01]
DA September 6, 1979
RT Arms Control
RT Government Policies
RT Non-Proliferation Treaty
RT Nuclear Fuels
RT Nuclear Materials Diversion
RT Proliferation

NON-PROLIFERATION TREATY [01]
DA December 1, 1974
BT1 Treaties
RT Arms Control
RT Non-Proliferation Policy
RT Nuclear Materials Possession
RT Proliferation
RT Safeguards

NONANOIC ACID [01]
DA December 1, 1974
UF *Nonylic Acid*
UF *Pelargonic Acid*
BT1 Monocarboxylic Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds

NONAQUEOUS SOLVENTS [01]
(See also ORGANIC SOLVENTS.)
DA December 1, 1974
BT1 Solvents
RT Solvation

Nonaxial Nuclei
DA December 1, 1974
USE Deformed Nuclei

Nonbranded Independent Marketers
DA September 28, 1979
USE Marketers

NONCENTRAL FORCES [01]
DA December 1, 1974
RT Potentials
RT Tensor Mesons

NONDESTRUCTIVE ANALYSIS [01]
DA December 1, 1974
BT1 Chemical Analysis
NT1 Delayed Neutron Analysis
NT1 Deuteron Microprobe Analysis
NT1 Electron Microprobe Analysis
NT1 Ion Microprobe Analysis
NT1 Ion Scattering Analysis
NT1 Proton Microprobe Analysis
NT1 Radiation Absorption Analysis
NT1 Radiation Scattering Analysis
NT1 X-Ray Emission Analysis
NT2 PIXE Analysis
NT2 X-Ray Fluorescence Analysis
RT Activation Analysis
RT Nuclear Reaction Analysis

NONDESTRUCTIVE TESTING [01]
DA December 1, 1974
BT1 Materials Testing
BT2 Testing
NT1 Acoustic Testing
NT2 Acoustic Emission Testing
NT2 Ultrasonic Testing
NT1 Electrical Testing
NT1 Electromagnetic Testing
NT2 Eddy Current Testing
NT1 Liquid Penetrant Inspection
NT1 Magnetic Testing
NT1 Radiation Attenuation Testing
NT1 Thermal Testing
NT2 Frost Tests
RT Autoradiography
RT Fuel Scanning
RT In-Service Inspection
RT Industrial Radiography
RT Inspection
RT Quality Control
RT Radiometric Gages

Nonleptonic Decay
DA May 1, 1978
USE Weak Hadronic Decay

NONLINEAR OPTICS [01]
DA March 17, 1981
BT1 Optics
RT Frequency Mixing
RT Nonlinear Problems
DEF Study of the interaction of radiation with matter in which certain variables describing the response of the matter are not proportional to variables describing the radiation.

Nonlinear Plasma Instabilities
DA December 1, 1974
USE Parametric Instabilities

NONLINEAR PROBLEMS [01]
DA December 1, 1974
UF *Nonlinear Systems*
RT Baecklund Transformation
RT Harmonics
RT Mathematics
RT Nonlinear Optics
RT Plasma Disruption
RT Plasma Instability
RT Quasilinear Problems
RT Reactor Stability

NONLINEAR PROGRAMMING [01]
DA December 1, 1974
BT1 Programming
RT Econometrics

Nonlinear Systems
DA December 1, 1974
USE Nonlinear Problems

NONLOCAL POTENTIAL [01]
DA December 1, 1974
BT1 Potentials
RT Locality
RT Nuclear Potential
RT Perey-Buck Model

NONLUMINOUS MATTER [01]
(In outer space.)
DA March 12, 1985
UF *Dark Matter*
BT1 Matter

Nonmeasurable Variables
DA December 1, 1974
USE Hidden Variables

NONMETALS [01]
DA December 1, 1974
BT1 Elements
NT1 Carbon
NT2 Activated Carbon
NT2 Carbon Black
NT2 Carbynes
NT2 Diamonds
NT2 Fullerenes
NT2 Graphite
NT2 Pyrolytic Carbon
NT1 Halogens
NT2 Astatine
NT2 Bromine
NT2 Chlorine
NT2 Fluorine
NT2 Iodine
NT1 Hydrogen
NT1 Nitrogen
NT1 Oxygen
NT1 Phosphorus
NT1 Rare Gases
NT2 Argon
NT2 Helium
NT2 Krypton
NT2 Neon
NT2 Radon
NT2 Xenon
NT1 Sulfur
RT Semimetals

→**NONRADIOACTIVE WASTE DISPOSAL [01]**
(Prior to April 1977 this was a valid term.)
DA January 15, 1991
BT1 Nonradioactive Waste Management
BT2 Waste Management
BT3 Management
RT Chemical Effluents

→**NONRADIOACTIVE WASTE MANAGEMENT [01]**
DA January 15, 1991
BT1 Waste Management
BT2 Management
NT1 Nonradioactive Waste Disposal
RT Nonradioactive Wastes

→**NONRADIOACTIVE WASTES [01]**
(Prior to April 1977 this was a valid term.)
DA January 15, 1991
NT1 Chemical Wastes
NT2 Chemical Effluents
RT Hazardous Materials
RT Nonradioactive Waste Management

NONSPECIFIC PEPTIDASES [01]
(Code number 3.4.99.)
DA January 12, 1981
BT1 Peptide Hydrolases
BT2 Hydrolases
BT3 Enzymes
BT4 Proteins
BT5 Organic Compounds
NT1 Renin
NT1 Urokinase

NONUNIFORM IRRADIATION [01]
DA December 1, 1974
BT1 Irradiation
RT Isodose Curves
RT Radionuclide Kinetics
RT Spatial Dose Distributions

NONUNITARY REPRESENTATIONS [01]
DA December 1, 1974
UF *Representations (Nonunitary)*
RT Group Theory
RT Irreducible Representations
RT Symmetry Groups
RT Unitarity

NONYL RADICALS [01]
DA December 1, 1974
BT1 Alkyl Radicals
BT2 Radicals

Nonylic Acid
DA December 1, 1974
USE Nonanoic Acid

NORA REACTOR [01]
DA December 1, 1974
UF *Norwegian Research Reactor NORA*
BT1 Heavy Water Cooled Reactors
BT2 Reactors
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors
RT Enriched Uranium Reactors
RT Natural Uranium Reactors

NORADRENALINE [01]
DA December 1, 1974
UF *Norepinephrine*
BT1 Adrenal Hormones
BT2 Hormones
BT1 Cardiotonics
BT2 Cardiovascular Agents
BT3 Drugs
BT1 Neuroregulators
BT2 Autonomic Nervous System Agents
BT3 Drugs
BT1 Sympathomimetics
BT2 Autonomic Nervous System Agents
BT3 Drugs

NORBORNADIENE
DA December 22, 1977
BT1 Cycloalkenes
BT2 Alkenes
BT3 Hydrocarbons
BT4 Organic Compounds

NORD COMPUTERS [01]
DA November 1, 1976
BT1 Computers

Nordheim Equation
DA December 1, 1974
USE Inhour Equation

NORDHEIM-SCALETTAR METHOD [01]
DA December 1, 1974
RT Control Rod Worths

NORDSTRANDITE
DA October 1, 1975
BT1 Aluminium Hydroxides
BT2 Aluminium Compounds
BT2 Hydroxides
BT3 Hydrogen Compounds
BT3 Oxygen Compounds
BT1 Oxide Minerals
BT2 Minerals
DEF A mineral $Al(OH)_3$.

Norepinephrine
DA April 20, 1981
USE Noradrenaline

NORMAL-MODE ANALYSIS [01]
DA December 1, 1974
UF *Analysis (Normal-Mode)*
RT Fourier Analysis
RT Plasma Waves

NORTH AMERICA [01]
DA December 1, 1974
NT1 Canada
NT2 Alberta
NT2 British Columbia
NT2 Manitoba
NT2 New Brunswick
NT2 Newfoundland
NT2 Northwest Territories
NT3 Port Radium
NT2 Nova Scotia
NT2 Ontario
NT3 Chalk River
NT3 Deep River
NT3 Elliot Lake
NT2 Prince Edward Island
NT2 Quebec
NT2 Saskatchewan
NT3 Beaverlodge
NT2 Yukon Territory
NT1 Mexico
NT1 USA
NT2 Alabama
NT2 Alaska
NT2 American Samoa
NT2 Arizona
NT2 Arkansas
NT2 California
NT3 Brawley Geothermal Field
NT3 Coso Hot Springs
NT3 Imperial Valley
NT3 Long Valley
NT3 Los Angeles
NT2 Colorado
NT3 Mahogany Zone
NT3 Sand Wash Basin
NT2 Connecticut
NT2 Delaware
NT2 Florida
NT3 Cape Kennedy
NT2 Georgia
NT3 Atlanta
NT2 Great Basin
NT2 Hawaii
NT2 Idaho
NT3 Raft River Valley
NT2 Illinois
NT3 Chicago
NT2 Indiana
NT2 Iowa
NT2 Kansas
NT2 Kentucky
NT2 Louisiana
NT2 Maine
NT2 Maryland
NT2 Massachusetts
NT2 Michigan
NT2 Minnesota
NT2 Mississippi
NT2 Missouri
NT2 Montana
NT3 Powder River Basin
NT2 Nebraska
NT2 Nevada
NT3 Steamboat Springs
NT2 New Hampshire
NT2 New Jersey
NT2 New Mexico
NT3 Jemez Mountains
NT3 Los Alamos
NT2 New York
NT3 New York City
NT2 North Carolina
NT2 North Dakota
NT2 Ohio
NT3 Cleveland
NT2 Oklahoma
NT2 Oregon
NT3 Mt Hood
NT2 Pennsylvania
NT3 Pittsburgh
NT2 Puerto Rico
NT2 Rhode Island
NT2 South Carolina
NT2 South Dakota
NT3 Table Mountain Area
NT2 Tennessee
NT3 Chattanooga
NT3 Oak Ridge
NT2 Texas
NT2 Trust Territory of the Pacific Islands
NT3 Mariana Islands
NT4 Guam
NT2 US East Coast
NT2 US Gulf Coast
NT2 US West Coast
NT2 Utah
NT3 Roosevelt Hot Springs
NT2 Vermont
NT2 Virgin Islands
NT2 Virginia
NT2 Washington
NT3 Richland
NT2 Washington DC
NT2 West Virginia
NT2 Wisconsin
NT2 Wyoming
NT3 Powder River Basin
NT3 Rock Springs Sites
NT3 Washakie Basin

NORTH ANNA-1 REACTOR [01]
(Mineral, Virginia, USA)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

NORTH ANNA-2 REACTOR [01]
(Mineral, Virginia, USA)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

NORTH ANNA-3 REACTOR [01]
(Mineral, Virginia, USA)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

NORTH ANNA-4 REACTOR [01]
(Mineral, Virginia, USA)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

North Atlantic Region
(Prior to June 1982, this was a valid descriptor.)
DA July 6, 1978
SEE USA

NORTH CAROLINA [01]
DA December 1, 1974
BT1 USA
BT2 Developed Countries
BT2 North America
RT Cape Fear River
RT Onslow Bay
RT US East Coast

North Carolina PULSTAR Reactor
DA December 1, 1974
USE Pulstar-Raleigh Reactor

North Carolina State College Research Reactor-1
DA December 1, 1974
USE NCSCR-1 Reactor

NORTH COAST-1 REACTOR [01]
(Formerly the AGUIRRE-1 REACTOR, relocated and renamed.)
DA April 8, 1975
UF *Aguirre-1 Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
RT Aguirre Reactor

NORTH DAKOTA [01]
DA December 1, 1974
BT1 USA
BT2 Developed Countries
BT2 North America
RT Missouri River
RT Williston Basin

NORTH KOREA [01]
DA December 1, 1974
UF *Korea (North)*
BT1 Asia
BT1 Developing Countries
RT Centrally Planned Economies

NORTH PLATTE RIVER [01]
DA October 20, 1977
BT1 Rivers
BT2 Streams
BT3 Surface Waters
RT North Platte River Basin

NORTH PLATTE RIVER BASIN [01]
DA October 20, 1977
BT1 Watersheds
RT Colorado
RT Nebraska
RT North Platte River
RT Wyoming

NORTH SEA [01]
DA December 1, 1974
BT1 Atlantic Ocean
BT2 Seas
BT3 Surface Waters

NORTH-SOUTH ASYMMETRY [01]
(For cosmic radiation only.)
DA December 1, 1974
BT1 Asymmetry
RT Cosmic Radiation
RT Geographical Variations

NORTH STAR PROJECT
DA October 13, 1976
RT International Agreements
RT Liquefied Natural Gas
DEF Proposal to ship natural gas from North Central Siberia to U. S. East Coast.

NORTH VIETNAM [01]
DA December 1, 1974
UF *Vietnam - North*
BT1 Asia

North Yemen
DA May 18, 1981
USE Yemen

NORTHERN HEMISPHERE [01]
DA September 22, 1980
BT1 Earth Planet
BT2 Planets
RT Southern Hemisphere

Northern Ireland
DA December 1, 1974
USE United Kingdom

Northern Rhodesia
DA December 1, 1974
USE Zambia

Northern States Monticello Rea
DA December 1, 1974
USE Monticello Reactor

NORTHERN TERRITORY [01]
DA December 1, 1974
BT1 Australia
BT2 Australasia
BT2 Developed Countries
RT Jabiluka Deposit
RT Koongarra Deposit
RT Nabarlek Deposit
RT Ranger Deposit
RT South Alligator Deposit

NORTHWEST TERRITORIES [01]
DA December 1, 1974
BT1 Canada
BT2 Developed Countries
BT2 North America
NT1 Port Radium

NORWAY [01]
DA December 1, 1974
BT1 Developed Countries
BT1 Scandinavia
BT2 Western Europe
BT3 Europe
RT Lapps
RT OECD

NORWEGIAN ORGANIZATIONS [01]
DA May 15, 1975
BT1 National Organizations

Norwegian Research Reactor NORA
DA December 1, 1974
USE Nora Reactor

Nos. 4, 5, and 6 Fuel Oils
DA January 23, 1976
USE Residual Fuels

Nos. 5 and 6 Burner Oils
DA January 23, 1976
USE Residual Fuels

NOSE [01]
DA December 1, 1974
BT1 Face
BT2 Head
BT3 Body Areas
BT4 Body
BT1 Respiratory System
RT Sense Organs

NOSE CONES
DA January 24, 1975
RT Reentry
RT Space Vehicles

NOTCHES [01]
DA December 1, 1974
RT Cracks
RT Impact Tests

NOTICE OF PROBABLE VIOLATION
DA December 10, 1979
BT1 Notices
BT2 Administrative Procedures
RT Compliance
RT Enforcement
RT Laws
RT Regulations
RT Violations

NOTICES
DA December 10, 1979
BT1 Administrative Procedures
NT1 Notice of Probable Violation

→**NOTIFICATION PROCEDURES [01]**
DA November 20, 1990
BT1 Administrative Procedures
RT Nuclear Operators
DEF Procedures to be followed by a nuclear operator in compliance with his legal obligation to notify certain actions or incidents to the authorities.

Noto-1 Reactor
DA October 16, 1989
USE Shika-1 Reactor

NOUGAT OPERATION
DA November 23, 1979
BT1 Nuclear Explosions
BT2 Explosions
BT1 Underground Explosions
BT2 Explosions
NT1 Danny Boy Event
RT Contained Explosions

NOVA FACILITY [01]
DA April 28, 1978
RT Laser Fusion Reactors
RT Neodymium Lasers
RT Novette Facility
RT Shiva Facility

NOVA MODEL [01]
DA December 1, 1974
BT1 Particle Models
BT2 Mathematical Models

NOVA SCOTIA [01]
DA December 1, 1974
BT1 Canada
BT2 Developed Countries
BT2 North America

NOVACEKITE [01]
DA December 1, 1974
BT1 Arsenic Oxides
BT2 Arsenic Compounds
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT1 Magnesium Oxides
BT2 Magnesium Compounds
BT3 Alkaline Earth Metal Compounds
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT1 Oxide Minerals
BT2 Minerals
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
BT1 Uranium Oxides
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT2 Uranium Compounds
BT3 Actinide Compounds

NOVAE [01]
DA December 1, 1974
BT1 Eruptive Variable Stars
BT2 Variable Stars
BT3 Stars
RT Supernovae

Novain
DA December 1, 1974
USE Carnitine

NOVETTE FACILITY [01]
DA November 9, 1983
RT Neodymium Lasers
RT Nova Facility
DEF Novette is a large, two-beam, two-wavelength laser facility at LLNL. It is comprised of two arms of the Nova laser.

Novo Voronezh-1 Reactor
DA December 1, 1974
USE WWER-1 Reactor

Novo Voronezh-2 Reactor
DA December 1, 1974
USE WWER-2 Reactor

Novo Voronezh-3 Reactor
DA December 1, 1974
USE WWER-3 Reactor

Novo Voronezh-4 Reactor
DA December 1, 1974
USE WWER-4 Reactor

Novo Voronezh-5 Reactor
DA December 1, 1974
USE WWER-5 Reactor

Novocaine
DA December 1, 1974
USE Procaine

NOXSO PROCESS
DA June 29, 1984
BT1 Combined SOxNOx Processes
BT2 Denitrification
BT3 Chemical Reactions
BT2 Desulfurization
BT3 Chemical Reactions
DEF A dry, sorbent regenerable system capable of removing both SO_2 and NOx from flue gas generated by coal-fired boilers.

NOZZLES [01]
DA December 1, 1974
RT Aerosol Generators
RT Flowmeters
RT Fuel Injection Systems
RT Jet Drills
RT Jets
RT Orifices
RT Pipe Fittings
RT Separation Nozzle Method

NPD-2 Reactor
DA July 23, 1980
USE NPD Reactor

NPD2 Rolphton Reactor
DA December 1, 1974
USE NPD Reactor

NPD REACTOR [01]
DA December 1, 1974
UF *NPD-2 Reactor*
UF *NPD2 Rolphton Reactor*
UF *Nuclear Power Demonstration Reactor-2 Canada*
UF *Nuclear Power Demonstration Reactor Canada*
UF *Rolphton NPD-2 Reactor*
BT1 Candu Type Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT2 Pressure Tube Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 PHWR Type Reactors
BT2 Heavy Water Cooled Reactors
BT3 Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors

NPR Reactor
DA December 1, 1974
USE N-Reactor

NRL CYCLOTRON [01]
DA December 1, 1974
BT1 Isochronous Cyclotrons
BT2 Cyclotrons
BT3 Cyclic Accelerators
BT4 Accelerators

NRL LINAC [01]
DA December 1, 1974
BT1 Linear Accelerators
BT2 Accelerators

NRPB [01]
DA January 24, 1980
UF *National Radiological Protection Board*
BT1 United Kingdom Organizations
BT2 National Organizations

NRTS
DA December 17, 1975
USE Idaho National Engineering Laboratory

NRTS-ETR Reactor
DA December 1, 1974
USE ETR Reactor

NRTS-LPTF Reactor
DA December 1, 1974
USE LPTF Reactor

NRU Canada Reactor
DA December 1, 1974
USE NRU Reactor

NRU REACTOR [01]
(Atomic Energy of Canada, Ltd., Chalk River Nuclear Labs., Ontario, Canada.)
DA December 1, 1974
UF *Canadian NRU Reactor*
UF *NRU Canada Reactor*
BT1 Heavy Water Cooled Reactors
BT2 Reactors
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors

NRX-A1 REACTOR
DA February 20, 1975
UF *NERVA NRX-A1 Reactor*
BT1 Experimental Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Space Propulsion Reactors
BT2 Propulsion Reactors
BT3 Reactors
BT2 Space Power Reactors
BT3 Mobile Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors

NRX-A2 REACTOR [01]
DA December 1, 1974
UF *NERVA NRX-A2 Reactor*
BT1 Experimental Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Hydrogen Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Space Propulsion Reactors
BT2 Propulsion Reactors
BT3 Reactors
BT2 Space Power Reactors
BT3 Mobile Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors

NRX-A3 REACTOR [01]
DA December 1, 1974
UF *NERVA NRX-A3 Reactor*
BT1 Experimental Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Hydrogen Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Space Propulsion Reactors
BT2 Propulsion Reactors
BT3 Reactors
BT2 Space Power Reactors
BT3 Mobile Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors

NRX-A4-EST REACTOR [01]
DA December 1, 1974
UF *NERVA NRX-A4 Engine System Test Reactor*
BT1 Experimental Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Hydrogen Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Space Propulsion Reactors
BT2 Propulsion Reactors
BT3 Reactors
BT2 Space Power Reactors
BT3 Mobile Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors

NRX-A5 REACTOR [01]
DA December 1, 1974
UF *NERVA NRX-A5 Reactor*
BT1 Experimental Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Hydrogen Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Space Propulsion Reactors
BT2 Propulsion Reactors
BT3 Reactors
BT2 Space Power Reactors
BT3 Mobile Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors

NRX-A6 REACTOR [01]
DA December 1, 1974
UF *NERVA NRX-A6 Reactor*
BT1 Experimental Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Hydrogen Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Space Propulsion Reactors
BT2 Propulsion Reactors
BT3 Reactors
BT2 Space Power Reactors
BT3 Mobile Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors

NRX-A7 REACTOR
DA February 20, 1975
UF *NERVA NRX-A7 Reactor*
BT1 Experimental Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Space Propulsion Reactors
BT2 Propulsion Reactors
BT3 Reactors
BT2 Space Power Reactors
BT3 Mobile Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors
RT Hydrogen Cooled Reactors

NRX REACTOR [01]
(Atomic Energy of Canada, Ltd., Chalk River Nuclear Labs., Ontario, Canada.)
DA December 1, 1974
UF *Canada NRX Research Reactor*
BT1 Heavy Water Cooled Reactors
BT2 Reactors

BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Materials Testing Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

NS ARKTIKA [01]
DA September 15, 1976
BT1 Nuclear Ships
BT2 Ships
RT Arktika Reactor

NS ENRICO FERMI
DA January 24, 1975
BT1 Nuclear Ships
BT2 Ships
RT Enrico Fermi Reactor

NS LENIN [01]
DA December 1, 1974
UF *Lenin (Nuclear Ship)*
BT1 Nuclear Ships
BT2 Ships
RT Lenin Reactor

NS MUTSU [01]
DA December 1, 1974
UF *Mutsu (Nuclear Ship)*
BT1 Nuclear Merchant Ships
BT2 Nuclear Ships
BT3 Ships
RT Mutsu Reactor

NS OTTO HAHN [01]
DA December 1, 1974
UF *Otto Hahn (Nuclear Ship)*
BT1 Nuclear Merchant Ships
BT2 Nuclear Ships
BT3 Ships
RT Otto Hahn Reactor

NS SAVANNAH [01]
DA December 1, 1974
UF *Savannah (Nuclear Ship)*
BT1 Nuclear Merchant Ships
BT2 Nuclear Ships
BT3 Ships
RT Savannah Reactor

NS SIBIR [01]
DA October 10, 1985
BT1 Nuclear Ships
BT2 Ships
RT Sibir Reactor

NSCR REACTOR [01]
DA December 1, 1974
UF *Nuclear Science Center Reactor Texas*
UF *Texas College Station Training Reactor*
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 TRIGA Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Hydride Moderated Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Solid Homogeneous Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

NSF-RFP REACTOR [01]
DA December 1, 1974
UF *Nuclear Safety Facility-RFP Reactor*
UF *Rocky Flats Plant Nuclear Safety Facility*
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

NSLS [01]
DA April 11, 1979
UF *National Synchrotron Light Source*
BT1 Synchrotron Radiation Sources
BT2 Radiation Sources
BT1 Synchrotrons
BT2 Cyclic Accelerators
BT3 Accelerators
RT Light Sources
RT Synchrotron Radiation
RT X-Ray Sources

NSPP
DA December 1, 1974
USE Nuclear Safety Pilot Plant

NSRR REACTOR [01]
(Nuclear Safety Research Reactor in Japan.)
DA May 15, 1975
UF *Nuclear Safety Research Reactor (Japan)*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Hydride Moderated Reactors
BT2 Reactors
BT1 Mixed Spectrum Reactors
BT2 Reactors
BT1 Pulsed Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Solid Homogeneous Reactors
BT2 Homogeneous Reactors
BT3 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors

NTA [01]
DA December 1, 1974
UF *Nitrilotriacetic Acid*
BT1 Amino Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT1 Chelating Agents

NTR REACTOR [01]
(General Electric Company, Vallecitos Nuclear Center,, Pleasanton, California, USA.)
DA December 1, 1974
UF *General Electric Nuclear Test Reactor*
UF *Nuclear Test Reactor General Electric Company*
UF *Pleasanton USA NTR Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Graphite Moderated Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors

NTU PROCESS
DA April 8, 1975
RT Oil Shales
RT Retorting
DEF Air is admitted at top of retort, supporting combustion which moves downward through oil shale bed. When fire front reaches bottom, operation is halted; spent shale is dumped. A batch process, it is not suitable for retorting on commercial basis.

Nuclear Accidents
DA December 1, 1974
USE Accidents

Nuclear Acoustic Resonance
DA December 1, 1974
USE Acoustic NMR

NUCLEAR ALIGNMENT [01]
DA December 1, 1974
RT Oriented Nuclei
RT Spin Orientation

Nuclear Attacks
DA December 1, 1974
USE Nuclear Weapons

NUCLEAR CASCADES [01]
DA December 1, 1974
UF *Cascades (Nuclear)*
UF *Intranuclear Cascades*
NT1 Gamma Cascades
RT Energy Levels

Nuclear Charge
DA December 1, 1974
USE Atomic Number

NUCLEAR CHEMISTRY [01]
DA January 24, 1975
BT1 Chemistry

Nuclear Contestation
DA April 4, 1975
USE Public Relations

Nuclear Controversy
DA December 1, 1974
USE Hazards
AND Human Populations

NUCLEAR CORES [01]
DA December 1, 1974
UF *Cores (Nuclear)*
RT Nuclear Structure

NUCLEAR DAMAGE [01]
(All physical or material damage caused by a nuclear incident, i.e. resulting from the radioactive or other hazardous properties of nuclear materials.)
DA November 3, 1989
RT Accidents
RT Damage
RT VCOCLND

NUCLEAR DATA COLLECTIONS [01]
DA December 1, 1974
SF *ENDF*
SF *Evaluated Nuclear Data File*
RT Compiled Data
RT Data Base Management
RT Data Compilation
RT Evaluated Data
RT Information Systems
RT International Nuclear Data Committee
RT Libraries
RT US Nuclear Data Network

NUCLEAR DECAY [01]
DA October 12, 1988
BT1 Decay
NT1 Alpha Decay

NT1 Beta Decay
NT2 Beta-Minus Decay
NT3 Double Beta Decay
NT2 Beta-Plus Decay
NT3 Sulfur 28
NT2 Electron Capture Decay
NT3 K Capture
NT3 L Capture
NT3 M Capture
NT1 Gamma Decay
NT1 Heavy Ion Emission Decay
NT2 Carbon 12 Emission Decay
NT2 Carbon 14 Emission Decay
NT2 Carbon 16 Emission Decay
NT2 Magnesium 28 Emission Decay
NT2 Magnesium 30 Emission Decay
NT2 Neon 24 Emission Decay
NT2 Oxygen 16 Emission Decay
NT2 Silicon 32 Emission Decay
NT2 Silicon 34 Emission Decay
NT1 Internal Conversion
NT2 K Conversion
NT2 L Conversion
NT2 M Conversion
NT1 Proton-Emission Decay
NT1 Spontaneous Fission

NUCLEAR DEFORMATION [01]
(For deformation of not permanently deformed nuclei.)
DA December 1, 1974
BT1 Deformation
RT Deformed Nuclei

NUCLEAR DETERRENCE
DA May 8, 1984
RT National Security
RT Nuclear Weapons
RT Proliferation
DEF Nuclear adversaries overbuilding both warheads and delivery capacity, with a standoff ensuing because of the retaliatory potential of the opponent deterring the would-be aggressor.

NUCLEAR DISARMAMENT [01]
DA July 23, 1980
SF *Disarmament*
RT Arms Control
RT Nuclear Freeze
RT Nuclear Weapons
RT Safeguards
RT SALT Talks

NUCLEAR ELECTRIC MOMENTS [01]
DA December 1, 1974
BT1 Electric Moments
BT1 Nuclear Properties
RT Electric Dipole Moments
RT Nuclear Quadrupole Resonance
RT Perturbed Angular Correlation
RT Quadrupole Moments

NUCLEAR EMULSIONS [01]
DA December 1, 1974
RT Autoradiography
RT Images
RT Latent Images
RT Photographic Film Detectors
RT Photographic Film Dosemeters
RT Photographic Films
RT Radiator Counters

NUCLEAR ENERGY [01]
DA January 24, 1975
UF *Atomic Energy*
BT1 Energy

Nuclear Energy Agency
DA December 1, 1974
USE NEA

NUCLEAR ENGINEERING [01]
DA December 1, 1974
BT1 Engineering
RT Nuclear Industry
RT Reactor Technology
RT Reactors

Nuclear Engineering Test Reactor
DA December 1, 1974
USE NETR Reactor

Nuclear Evaporation
DA December 1, 1974
USE Evaporation Model

NUCLEAR EXCAVATION [01]
DA December 1, 1974
BT1 Excavation
RT Cratering Explosions
RT Nuclear Explosions
RT Plowshare Project
RT Surface Explosions
RT Underground Explosions
RT Underwater Explosions

NUCLEAR EXPLOSION DETECTION [01]
DA December 1, 1974
UF *Detection (Nuclear Explosions)*
BT1 Detection
RT Atmospheric Explosions
RT In-Country Detection
RT Nuclear Explosions
RT Seismic Detection
RT Underground Explosions

NUCLEAR EXPLOSIONS [01]
(Specifically named single nuclear explosions are listed by name and the word EVENT, e.g., BOXCAR EVENT. All projects involving nuclear explosions are listed by the project name and the word PROJECT, e.g., PLOWSHARE PROJECT.)
DA December 1, 1974
UF *Atomic Explosions*
UF *Nuclear Weapon Tests*
BT1 Explosions
NT1 Agrini Event
NT1 Anvil Project
NT2 Mighty Epic Event
NT1 Arbor Project
NT2 Husky Ace Event
NT2 Latir Event
NT1 Argus Event
NT1 Bedrock Project
NT2 Dining Car Event
NT2 Portmanteau Event
NT2 Tybo Event
NT1 Bowline Operation
NT2 Benham Event
NT2 Schooner Event
NT1 Bronco Event
NT1 Buffalo Project
NT1 Castle Project
NT2 Bravo Event
NT2 Romeo Event
NT2 Yankee Event
NT1 Crossroads Project
NT1 Crosstie Operation
NT2 Boxcar Event
NT2 Cabriolet Event
NT2 Faultless Event
NT2 Gasbuggy Event
NT1 Dominic Project
NT2 Starfish Event
NT2 Swordfish Event
NT1 Emery Operation
NT2 Baneberry Event
NT2 Carpetbag Event
NT1 Flintlock Operation
NT2 Halfbeak Event
NT2 Pin Stripe Event
NT1 Fulcrum Operation
NT2 Redmud Event
NT1 Fusileer Operation
NT1 Greenhouse Project
NT1 Grommet Operation
NT2 Cannikin Event
NT2 Miniata Event
NT1 Hardtack Project
NT2 Holly Event
NT2 Orange Event
NT2 Teak Event
NT1 Ivy Project
NT2 Mike Event
NT1 Jangle Project
NT1 Latchkey Operation
NT2 Greeley Event
NT2 Scotch Event
NT1 Mandrel Operation
NT2 Calabash Event
NT2 Handley Event
NT2 Hutch Event
NT2 Jorum Event
NT2 Milrow Event
NT2 Rulison Event
NT1 Monique Event
NT1 Nougat Operation
NT2 Danny Boy Event
NT1 Plumbbob Project
NT2 Smoky Event
NT1 Pokhran Event
NT1 Praetorian Project
NT1 Ranger Project
NT1 Sandstone Project
NT1 Sun Beam Operation
NT1 Thermonuclear Explosions
NT1 Toggle Operation
NT2 Almendro Event
NT2 Rio Blanco Event
NT1 Trinity Event
NT1 Upshot Project
NT2 Annie Event
NT2 Harry Event
NT1 Wagon Wheel Event
NT1 Whetstone Operation
NT2 Handcar Event
RT Aleutian Islands
RT Artificial Radiation Belts
RT Atmospheric Explosions
RT Cavities
RT Civil Defense
RT Contained Explosions
RT Cratering Explosions
RT Electromagnetic Pulses
RT Excavation
RT Explosive Fracturing
RT Explosive Stimulation
RT Fallout
RT Fission
RT Fission Products
RT Global Fallout
RT Ground Motion
RT Hiroshima
RT In-Country Detection
RT Little Boy
RT Marshall Islands
RT Middle Gust Event
RT Nagasaki
RT Nevada Test Site
RT Nuclear Excavation
RT Nuclear Explosion Detection
RT Nuclear Fireballs
RT Nuclear Weapons
RT Nuclear Winter
RT Plowshare Project
RT Radioactive Clouds
RT Seismic Effects
RT Seismic Events
RT Shelters
RT Shock Waves
RT Surface Explosions
RT Thunderbird Project
RT Underground Explosions
RT Underwater Explosions
RT Vela Project

NUCLEAR EXPLOSIVES [01]
DA December 1, 1974
BT1 Explosives

NUCLEAR FACILITIES [01]
DA December 1, 1974
UF *Facilities (Nuclear)*
NT1 Cimarron Plutonium Production Plant
* NT1 Feed Materials Plants
NT1 Fuel Cycle Centers
NT1 Fuel Fabrication Plants
NT2 Cimarron Uranium Fuel Plant
NT2 Exxon Fuel Fabrication Facility
NT2 General Atomic Fuel Fabrication Facility
NT2 Mixed Oxide Fuel Fabrication Plants
NT2 Westinghouse Recycle Fuels Plant
NT1 Fuel Reprocessing Plants
NT2 Barnwell Fuel Processing Plant
NT2 CEA la Hague
NT2 Cogema La Hague

NT2 HEF
NT2 Idaho Chemical Processing Plant
NT2 Midwest Fuel Recovery Plant
NT2 Nuclear Fuel Recovery and Recycling Center
NT2 Sellafield Reprocessing Plant
NT2 Wackersdorf Reprocessing Plant
NT2 WAK
NT2 West Valley Processing Plant
NT2 Westinghouse Recycle Fuels Plant
NT1 Hot Labs
NT1 Humeca Uranium Mill
NT1 Irradiation Plants
NT2 Isomed
NT1 Isotope Separation Plants
NT2 Centrifuge Enrichment Plants
NT3 Portsmouth Centrifuge Enrichment Plant
NT2 Gaseous Diffusion Plants
NT3 Cogema Pierrelatte
NT3 ORGDP
NT3 Paducah Plant
NT3 Portsmouth Gaseous Diffusion Plant
NT2 Heavy Water Plants
NT2 Tritium Extraction Plants
NT1 Nuclear Power Plants
NT2 BOPSSAR Standard Plant
NT2 Ebasco Standard Plant
NT2 Gibbssar Standard Plant
NT2 Offshore Nuclear Power Plants
NT2 Swessar Standard Plant
NT2 Underground Nuclear Stations
NT1 Radioactive Waste Facilities
NT2 Asse Salt Mine
NT2 Aube Plant
NT2 Gorleben Salt Dome
NT2 Konrad Ore Mine
NT2 Manche Plant
NT2 Morsleben Salt Mine
NT2 PAMELA Plant
NT2 Vaalputs Radioactive Waste Disposal Facility
NT2 WIPP
NT1 Surplus Nuclear Facilities
RT Biointrusion
RT Controlled Areas
RT Energy Facilities
RT External Zones
RT Human Intrusion
RT Maintenance Facilities
RT Nuclear Parks
RT Public Anxiety
RT Site Approvals
RT Test Facilities
RT Underground Facilities

NUCLEAR FIREBALL MODEL [01]
DA October 19, 1978
UF *Firestreak Model*
BT1 Nuclear Models
BT2 Mathematical Models
RT Evaporation Model
RT Heavy Ion Reactions
RT Inclusive Interactions
RT Quasi-Fission
RT Spallation
DEF Nuclear reaction model for the total disintegration of the two nuclei in relativistic heavy ion reactions.

NUCLEAR FIREBALLS [01]
DA January 24, 1975
BT1 Fireballs
RT Nuclear Explosions

NUCLEAR FORCES [01]
DA December 1, 1974
NT1 Wigner Force
RT Binding Energy
RT Mass Defect
RT Nuclear Potential
RT Potentials
RT Tensor Forces

NUCLEAR FRAGMENTATION [01]
DA June 23, 1989
BT1 Nuclear Reactions
RT Deep Inelastic Heavy Ion Reactions
RT Fission
RT Incomplete Fusion Reactions
RT Nuclear Fragments
RT Spallation

NUCLEAR FRAGMENTS [01]
DA September 19, 1977
NT1 Anomalons
NT1 Fission Fragments
NT1 Hypernuclei
NT1 Spallation Fragments
RT Fission
RT Nuclear Fragmentation
RT Nuclear Reaction Yield
DEF Nuclear reaction products.

NUCLEAR FREEZE [01]
DA July 22, 1987
RT Arms Control
RT International Agreements
RT Nuclear Disarmament
DEF A mutual freeze on the testing, production, and deployment of nuclear weapons and of missiles and new aircraft designed primarily to deliver nuclear weapons.

NUCLEAR FUEL CONVERSION [01]
(Conversion of a fertile substance into a fissile substance.)
DA December 1, 1974
UF *Conversion (Nuclear Fuel)*
NT1 Breeding
RT Conversion Ratio
RT Fertile Materials

Nuclear Fuel Elements
DA December 1, 1974
USE Fuel Elements

NUCLEAR FUEL RECOVERY AND RECYCLING CENTER
(Exxon Nuclear Facility Roane County, Tennessee.)
DA September 14, 1976
UF *Exxon Recovery and Recycle Plant*
SF *Exxon Nuclear Facility*
BT1 Fuel Reprocessing Plants
BT2 Nuclear Facilities
RT Tennessee

NUCLEAR FUELS [01]
DA December 1, 1974
UF *Fuels (Nuclear)*
UF *Reactor Fuels*
BT1 Energy Sources
BT1 Fuels
BT1 Reactor Materials
BT2 Materials
NT1 Alloy Nuclear Fuels
NT1 Denatured Fuel
NT1 Dispersion Nuclear Fuels
NT1 Fuel Solutions
NT1 Liquid Metal Fuels
NT1 Mixed Carbide Fuels
NT1 Molten Salt Fuels
NT1 Spent Fuels
RT Accelerator Breeders
RT Burnup
RT Fertile Materials
RT Fissile Materials
RT Fissium
RT Fuel Cycle
RT Fuel Densification
RT Fuel Elements
RT Fuel Particles
RT Fuel Pellets
RT Fuel Washers
RT Fuel-Cladding Interactions
RT Fuel-Coolant Interactions
RT Non-Proliferation Policy
RT Nuclear Materials Management
RT Reactors
RT Thorium Cycle
RT Uranium

NUCLEAR FURNACE REACTOR [01]
DA December 1, 1974
BT1 Beryllium Moderated Reactors
BT2 Metal Moderated Reactors
BT3 Reactors
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Research and Test Reactors
BT2 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors

NUCLEAR INDUSTRY [01]
DA December 1, 1974
BT1 Industry
RT Construction
RT Fuel Fabrication Plants
RT Fuel Reprocessing Plants
RT Gaseous Diffusion Plants
RT Nuclear Engineering
RT Nuclear Parks
RT USUR

NUCLEAR INSTRUMENT MODULES [01]
DA January 24, 1975
UF *NIM*
RT CAMAC System
RT Computers
RT Data Acquisition Systems
RT Data Transmission
RT Electronic Equipment
RT Fastbus System
RT On-Line Control Systems

NUCLEAR INSURANCE [01]
DA December 1, 1974
BT1 Insurance
RT Price-Anderson Act

→**NUCLEAR LIABILITY [01]**
DA August 20, 1991
BT1 Liabilities
RT PCOTPL

Nuclear Log
DA June 7, 1976
USE Radioactivity Logging

NUCLEAR MAGNETIC LOGGING [01]
DA June 7, 1976
UF *NMR Logging*
BT1 Well Logging

NUCLEAR MAGNETIC MOMENTS [01]
DA December 1, 1974
BT1 Magnetic Moments
BT1 Nuclear Properties
RT Magnetic Dipole Moments
RT Nuclear Magnetism
RT Perturbed Angular Correlation
RT Quadrupole Moments
RT Schmidt Lines

NUCLEAR MAGNETIC RESONANCE [01]
DA December 1, 1974
UF *NMR*
UF *Nuclear Spin Resonance*
UF *Paramagnetic Resonance (Nuclear)*
BT1 Magnetic Resonance
BT2 Resonance
NT1 Acoustic NMR
RT Chemical Shift
RT Knight Shift
RT Level Mixing Resonance
RT NMR Imaging
RT NMR Spectra
RT Nuclear Magnetism
RT Overhauser Effect
RT Spin Echo
RT Spin-Lattice Relaxation
RT Spin-Spin Relaxation
RT Structural Chemical Analysis

→**NUCLEAR MAGNETISM [01]**
DA November 20, 1990
BT1 Magnetism
RT Nuclear Magnetic Moments
RT Nuclear Magnetic Resonance

RT Spin Orientation
DEF Refers to ordering of nuclear spins at extremely low temperatures.

NUCLEAR MATERIALS DIVERSION [01]
DA December 1, 1974
RT Adversaries
RT CIVEX Process
RT CPPNM
RT Motion Detection Systems
RT Non-Proliferation Policy
RT Safeguards

NUCLEAR MATERIALS MANAGEMENT [01]
DA December 1, 1974
UF *Accountability (Nuclear Materials)*
UF *Fissionable Materials Management*
UF+ *DYMAC System*
UF+ *Dynamic Materials Accountability System*
SF *Accountability*
BT1 Management
RT Accounting
RT Cost
RT CPPNM
RT Detection
RT Fissile Materials
RT Fissionable Materials
RT Fuel Cycle
RT Harvest Process
RT Intrusion Detection Systems
RT Losses
RT Material Unaccounted For
RT Nuclear Fuels
RT Nuclear Materials Possession
RT Radioactive Wastes
RT Reprocessing
RT Safeguards

NUCLEAR MATERIALS POSSESSION [01]
DA June 3, 1977
RT Non-Proliferation Treaty
RT Nuclear Materials Management
RT Nuclear Trade
RT Safeguard Regulations
RT Safeguards

NUCLEAR MATRIX [01]
DA December 1, 1974
BT1 Matrices

NUCLEAR MATTER [01]
DA December 1, 1974
UF *Neutron Matter*
BT1 Matter
RT Centauro-Type Events
RT Neutron Stars
RT Nuclei
RT Pion Condensation
RT Quark Matter
RT Walecka Model

NUCLEAR MEDICINE [01]
DA December 1, 1974
UF+ *Radiodiagnosis (Radionuclides)*
BT1 Medicine
NT1 Radiology
NT2 Biomedical Radiography
NT3 Fluoroscopy
NT3 Ionographic Imaging
NT3 Osteodensitometry
NT3 Renography
NT2 Radiotherapy
NT3 Afterloading
NT3 Neutron Therapy
NT4 Neutron Capture Therapy
NT3 Radioimmunotherapy
RT Clearance
RT Labelled Compounds
RT Radioisotopes
RT Radiopharmaceuticals
RT Scintiscanning
RT Tracer Techniques

NUCLEAR MERCHANT SHIPS [01]
DA May 1, 1978
UF *Commercial Nuclear Ships*
BT1 Nuclear Ships
BT2 Ships
NT1 NS Mutsu
NT1 NS Otto Hahn
NT1 NS Savannah

NUCLEAR MODELS [01]
DA December 1, 1974
UF *Models (Nuclear)*
BT1 Mathematical Models
NT1 Bjorklund-Fernbach Model
NT1 Black Nucleus Model
NT1 Brueckner Model
NT1 Cloudy Crystal Ball Model
NT1 Cluster Model
NT1 Coherent Tube Model
NT1 Collective Model
NT2 Rotation-Vibration Model
NT1 Cranking Model
NT1 Davydov-Filipov Model
NT1 Droplet Model
NT1 Elliot Model
NT1 Evaporation Model
NT2 Weisskopf Model
NT1 Exciton Model
NT1 Fermi Gas Model
NT1 Folding Model
NT1 Goldberger Model
NT1 Lane-Thomas-Wigner Model
NT1 Liquid Drop Model
NT1 Nilsson-Mottelson Model
NT1 Nuclear Fireball Model
NT1 Order-Disorder Model
NT1 Particle-Core Coupling Model
NT1 Particle-Hole Model
NT1 Perey-Buck Model
NT1 Quartet Model
NT1 Quasiparticle-Phonon Model
NT1 Scission-Point Model
NT1 Shell Models
NT2 Governor Model
NT2 Interacting Boson Model
NT2 Multi-Center Shell Model
NT1 Spherical Model
NT1 Strong-Absorption Model
NT1 Superfluid Model
NT1 Unified Model
NT1 Valency Model
NT1 Vibron Model
NT1 VMI Model
NT1 Walecka Model
NT1 Weak-Coupling Model
RT Bohr-Wheeler Theory
RT Brueckner Method
RT Compound Nuclei
RT Deformed Nuclei
RT Hamada-Johnston Potential
RT Harmonic Oscillator Models
RT Hartree-Fock-Bogolyubov Theory
RT Hartree-Fock Method
RT Hill-Wheeler Theory
RT Hurwitz Effect
RT Hydrodynamic Model
RT Kisslinger-Sorensen Theory
RT Nuclear Radii
RT Nuclear Structure
RT Nucleon-Nucleon Potential
RT Optical Models
RT Single-Particle Model
RT Strutinsky Theory

NUCLEAR MOLECULES [01]
DA April 4, 1975
RT Interactions
RT Nuclei

→**NUCLEAR OPERATORS [01]**
DA August 20, 1991
RT National Organizations
RT Notification Procedures
RT WANO
DEF The financially responsible organizations or persons.

NUCLEAR PARKS [01]
DA January 24, 1975
UF *Parks (Nuclear)*
BT1 Energy Parks
RT Fuel Fabrication Plants
RT Fuel Reprocessing Plants
RT Nuclear Facilities
RT Nuclear Industry
RT Nuclear Power Plants
DEF Facilities containing nuclear power plants plus on-site all support facilities and other nuclear related industries.

NUCLEAR PHYSICS [01]
(Use only for indexing articles of very broad coverage, such as annual reviews, text books, etc.)
DA December 1, 1974
BT1 Physics
RT High Energy Physics
RT Nuclear Theory

NUCLEAR POISONS [01]
(Neutron absorbers in a reactor.)
DA December 1, 1974
UF *Poisons (Nuclear)*
BT1 Reactor Materials
BT2 Materials
NT1 Burnable Poisons
NT1 Fission Poisons
NT1 Soluble Poisons
RT Poisoning
RT Reactor Poison Removal
RT Samarium Oscillations
RT Xenon Oscillations

NUCLEAR POTENTIAL [01]
DA December 1, 1974
BT1 Potentials
NT1 Fission Barrier
NT1 Hard-Core Potential
NT1 Harmonic Potential
NT1 Hulthen Potential
NT1 Soft-Core Potential
NT1 Square-Well Potential
NT1 Woods-Saxon Potential
NT1 Yukawa Potential
RT Gamow Barrier
RT Hamada-Johnston Potential
RT Nonlocal Potential
RT Nuclear Forces
RT Optical Models
RT Signell-Marshak Potential
RT Tabakin Potential
RT Wigner-Eisenbud Theory

NUCLEAR POWER [01]
DA December 1, 1974
BT1 Power
NT1 Residual Power
RT Electric Power
RT Electric Power Industry
RT Nuclear Power Phaseout
RT Off-Peak Power

Nuclear Power Demonstration Reactor-2 Canada
DA December 1, 1974
USE NPD Reactor

Nuclear Power Demonstration Reactor Canada
DA December 1, 1974
USE NPD Reactor

NUCLEAR POWER PHASEOUT [01]
DA October 25, 1978
RT Energy Policy
RT Nuclear Power
DEF Policy senario wherein plants now operating or under contruction are allowed normal-life operation, but no additional plants allowed.

NUCLEAR POWER PLANTS [01]
DA December 1, 1974
UF *Nuclear Power Stations*
BT1 Nuclear Facilities
BT1 Thermal Power Plants
BT2 Power Plants
NT1 BOPSSAR Standard Plant
NT1 Ebasco Standard Plant
NT1 Gibbssar Standard Plant
NT1 Offshore Nuclear Power Plants
NT1 Swessar Standard Plant
NT1 Underground Nuclear Stations
RT Nuclear Parks
RT Power Reactors
RT Risk Assessment

Nuclear Power Stations
DA December 1, 1974
USE Nuclear Power Plants

NUCLEAR PROPERTIES [01]
DA December 1, 1974
NT1 Nuclear Electric Moments
NT1 Nuclear Magnetic Moments
NT1 Nuclear Radii
RT Limiting Values
RT Nuclear Structure

NUCLEAR PUMPING [01]
DA December 1, 1974
BT1 Pumping
RT Lasers
RT Optical Pumping
RT Stimulated Emission
DEF Laser-like pumping produced by electrons generated in nuclear reactions or, in general, by beams of charged particles.

NUCLEAR QUADRUPOLE RESONANCE [01]
DA December 1, 1974
BT1 Resonance
RT Electric Fields
RT Level Mixing Resonance
RT Nuclear Electric Moments
RT Quadrupole Moments

NUCLEAR RADII [01]
DA December 1, 1974
UF *Charge Radius (Nuclear)*
UF *Mass Radius (Nuclear)*
BT1 Nuclear Properties
RT Charge Distribution
RT Nuclear Models
RT Nuclear Structure
RT Particle Radii

NUCLEAR REACTION ANALYSIS [01]
DA December 1, 1974
UF+ *PIGE Analysis*
BT1 Chemical Analysis
NT1 Delayed Neutron Analysis
RT Activation Analysis
RT Nondestructive Analysis
RT Nuclear Reaction Analyzers
DEF Chemical analysis based on detection and analysis of prompt nuclear reaction products, e.g., gamma rays, neutrons, or charged particles.

NUCLEAR REACTION ANALYZERS [01]
DA January 30, 1979
BT1 Measuring Instruments
RT Delayed Neutron Analysis
RT Fuel Scanning
RT Neutron Activation Analyzers
RT Nuclear Reaction Analysis

NUCLEAR REACTION KINETICS [01]
DA December 1, 1974
BT1 Reaction Kinetics
BT2 Kinetics
RT Coupled Channel Born Approximation
RT Distorted Wave Theory
RT DWBA
RT Finite-Range Interactions
RT Nuclear Reactions
RT Q-Value
RT Rescattering
RT Resonating-Group Method
RT Spin Flip
RT Zero-Range Approximation

NUCLEAR REACTION YIELD [01]
DA December 1, 1974
UF *Yield (Nuclear Reaction)*
BT1 Yields
NT1 Fission Yield
NT1 Fusion Yield
RT Nuclear Fragments
RT Nuclear Reactions

NUCLEAR REACTIONS [01]
DA December 1, 1974
NT1 Antineutrino Reactions
NT1 Breakup Reactions
NT1 Charge-Exchange Reactions
* **NT1** Charged-Particle Reactions
NT1 Cold Fusion
NT1 Compound-Nucleus Reactions
* **NT1** Direct Reactions
* **NT1** Fission
* **NT1** Hadron Reactions
NT1 Heavy Ion Fusion Reactions
NT1 Incomplete Fusion Reactions
* **NT1** Lepton Reactions
NT1 Nuclear Fragmentation
NT1 Photonuclear Reactions
NT2 Photofission
NT1 Precompound-Nucleus Emission
NT1 Secondary Reactions
NT1 Spallation
NT1 Strangeness-Exchange Reactions
NT1 Thermonuclear Reactions
NT2 Impact Fusion
NT2 Muon-Catalyzed Fusion
RT Capture
RT Capture-to-Fission Ratio
RT Chain Reactions
RT Coherent Tube Model
RT Coupled Channel Born Approximation
RT Coupled Channel Theory
RT Cross Sections
RT Delayed Gamma Radiation
RT Detailed Balance Principle
RT Excitation Functions
RT Exciton Model
RT Feshbach-Weisskopf Model
RT Form Factors
RT G Matrix
RT Giant Resonance
RT Hauser-Feshbach Theory
RT Hot Atom Chemistry
RT Impact Parameter
RT Intermediate Resonance
RT Intermediate Structure
RT Jackson Model
RT K Matrix
RT Lane-Robson Theory
RT Lewis Peak
RT Longitudinal Momentum
RT Nuclear Reaction Kinetics
RT Nuclear Reaction Yield
RT Oppenheimer-Phillips Process
RT Polarized Products
RT Prompt Gamma Radiation
RT Proximity Scattering
RT R Matrix
RT Reaction Product Transport Systems
RT Reich-Moore Formula
RT Rescattering
RT Scattering
RT Shadow Effect
RT Skyrme Potential
RT Spectroscopic Factors
RT Strangeness Analog Resonances
RT Targets
RT Threshold Energy
RT Transverse Energy
RT Transverse Momentum
RT Valency Model
RT Yang Theorem

Nuclear Reactors
DA December 1, 1974
USE Reactors

Nuclear Safety
DA December 1, 1974
USE Radiation Protection

Nuclear Safety Facility-RFP Reactor
DA December 1, 1974
USE NSF-RFP Reactor

NUCLEAR SAFETY PILOT PLANT [01]
DA December 1, 1974
UF *NSPP*
BT1 Reactor Safety Experiments

Nuclear Safety Research Reactor (Japan)
DA May 19, 1976
USE NSRR Reactor

Nuclear Science Center Reactor Texas
DA December 1, 1974
USE NSCR Reactor

NUCLEAR SCREENING [01]
DA December 1, 1974
BT1 Screening
RT Coulomb Field
RT Effective Charge

Nuclear Ship Arktika Reactor
DA March 8, 1978
USE Arktika Reactor

Nuclear Ship Lenin Reactor
DA December 1, 1974
USE Lenin Reactor

Nuclear Ship Mutsu Reactor
DA December 1, 1974
USE Mutsu Reactor

Nuclear Ship Otto Hahn Reactor
DA December 1, 1974
USE Otto Hahn Reactor

Nuclear Ship Savannah Reactor
DA December 1, 1974
USE Savannah Reactor

NUCLEAR SHIP VISITS [01]
DA April 17, 1981
RT BCOLONS
RT Maritime Laws
RT Nuclear Ships

NUCLEAR SHIPS [01]
DA December 1, 1974
BT1 Ships
NT1 NS Arktika
NT1 NS Enrico Fermi
NT1 NS Lenin
NT1 NS Sibir
NT1 Nuclear Merchant Ships
NT2 NS Mutsu
NT2 NS Otto Hahn
NT2 NS Savannah
RT BCOLONS
RT Nuclear Ship Visits
RT SOLAS Convention
RT Submarines

NUCLEAR SPECIFIC HEAT [01]
DA January 24, 1975
BT1 Specific Heat
BT2 Thermodynamic Properties
BT3 Physical Properties

Nuclear Spin Resonance
DA December 1, 1974
USE Nuclear Magnetic Resonance

NUCLEAR STRUCTURE [01]
DA December 1, 1974
RT Backbending
RT Energy Levels
RT Even-Even Nuclei
RT Even-Odd Nuclei
RT Generator-Coordinate Method
RT Hartree-Fock-Bogolyubov Theory
RT Hartree-Fock Method
RT Heavy Nuclei
RT Interacting Boson Model
RT Intermediate Mass Nuclei
RT K-Harmonics Method
RT Light Nuclei
RT Magic Nuclei
RT Nuclear Cores
RT Nuclear Models
RT Nuclear Properties
RT Nuclear Radii
RT Nuclei
RT Odd-Even Nuclei
RT Odd-Odd Nuclei
RT Particle-Core Coupling Model

RT Quartet Model
RT Yrast States

NUCLEAR SUPERHEATING [01]
DA December 1, 1974
BT1 Superheating
BT2 Heating

NUCLEAR TEMPERATURE [01]
DA December 1, 1974
UF *Temperature (Nuclear)*
RT Energy
RT Evaporation Model
RT Nuclei

Nuclear Test Reactor General Electric Company
DA December 1, 1974
USE NTR Reactor

NUCLEAR THEORY [01]
DA December 1, 1974
NT1 Hauser-Feshbach Theory
RT Broken-Pair Approximation
RT Nuclear Physics

NUCLEAR TRADE [01]
(Trade or commerce involving special nuclear material or any other radioactive materials, instruments, equipment, plants, etc, of nuclear interest.)
DA March 8, 1978
UF *Commerce (Nuclear)*
UF *Trade (Nuclear)*
BT1 Trade
RT Economic Development
RT Economic Policy
RT Nuclear Materials Possession
RT Transport

Nuclear Transmutation
DA December 1, 1974
USE Transmutation

NUCLEAR WASTE POLICY ACTS [01]
(For nonradioactive wastes use WASTE DISPOSAL ACTS.)
DA June 29, 1984
BT1 Waste Disposal Acts
BT2 Laws
RT High-Level Radioactive Wastes
RT Low-Level Radioactive Wastes
RT Radioactive Waste Disposal
RT Spent Fuel Storage
RT Spent Fuels

Nuclear Wastes
DA November 23, 1979
USE Radioactive Wastes

Nuclear Weapon Tests
DA December 1, 1974
USE Nuclear Explosions

NUCLEAR WEAPONS [01]
DA December 1, 1974
UF *Atomic Bombs*
UF *Atomic Weapons*
UF *Nuclear Attacks*
UF *Thermonuclear Weapons*
BT1 Weapons
NT1 Enhanced Radiation Weapons
NT1 Little Boy
RT Ballistic Missile Defense
RT Castle Project
RT Civil Defense
RT Fallout
RT Fusileer Operation
RT Hiroshima
RT Local Fallout
RT Manhattan Project
RT Mighty Epic Event
RT Nagasaki
RT National Defense
RT Nevada Test Site
RT Nuclear Deterrence
RT Nuclear Disarmament
RT Nuclear Explosions
RT Nuclear Winter
RT Plumbbob Project
RT Rarotonga Treaty
RT Redwing Project
RT Shelters
RT Teapot Project
RT Tumbler Project

Nuclear Weapons Proliferation
DA April 27, 1978
USE Proliferation

NUCLEAR WINTER [01]
DA May 31, 1985
RT Ambient Temperature
RT Climates
RT Environmental Impacts
RT Nuclear Explosions
RT Nuclear Weapons
DEF The atmospheric effects resulting from a nuclear war. The major effect is considered to be a hemispheric temperature depression of up to 40C lasting several months.

Nuclease (Deoxyribonuclease)
DA December 1, 1974
USE DNA-ase

Nuclease (Ribonuclease)
DA December 1, 1974
USE RNA-ase

NUCLEASES [01]
DA December 1, 1974
BT1 Phosphodiesterases
BT2 Esterases
BT3 Hydrolases
BT4 Enzymes
BT5 Proteins
BT6 Organic Compounds
RT Micrococcus Luteus
RT Nucleic Acids
RT Nucleoproteins

NUCLEATE BOILING [01]
DA December 1, 1974
BT1 Boiling
BT2 Phase Transformations
NT1 Departure Nucleate Boiling
RT Heat Transfer
RT Nucleation

NUCLEATION [01]
DA December 1, 1974
RT Crystal Growth
RT Crystallization
RT Nucleate Boiling

NUCLEBRAS [01]
DA June 3, 1977
BT1 Brazilian Organizations
BT2 National Organizations

NUCLEI [01]
DA December 1, 1974
NT1 Antinuclei
NT2 Antideuterons
NT2 Antiprotons
NT2 Antitritons
NT1 Cosmic Nuclei
NT1 Deformed Nuclei
* NT1 Even-Even Nuclei
* NT1 Even-Odd Nuclei
* NT1 Heavy Nuclei
NT1 Hypernuclei
* NT1 Intermediate Mass Nuclei
NT1 Isobaric Nuclei
NT1 Isomeric Nuclei
NT1 Isotonic Nuclei
* NT1 Light Nuclei
NT1 Magic Nuclei
NT1 Mirror Nuclei
* NT1 Odd-Even Nuclei
* NT1 Odd-Odd Nuclei
NT1 Oriented Nuclei
RT Fundamental Constants
RT Isotopes
RT Nuclear Matter
RT Nuclear Molecules
RT Nuclear Structure
RT Nuclear Temperature
RT Overhauser Effect

Nuclei (Cells)
DA December 1, 1974
USE Cell Nuclei

NUCLEIC ACID DENATURATION [01]
DA December 1, 1974
UF *Denaturation (Nucleic Acid)*
RT Decomposition
RT Heat Treatments
RT Molecular Structure
RT Nucleic Acids
RT PH Value
DEF Breaking of H-bonds between strands of NA.

NUCLEIC ACID REPLICATION [01]
DA December 1, 1974
NT1 DNA Replication

NUCLEIC ACIDS [01]
DA December 1, 1974
BT1 Organic Compounds
NT1 DNA
NT2 Recombinant DNA
NT1 Oligonucleotides
NT1 RNA
NT2 Messenger-RNA
NT2 Ribosomal RNA
NT2 Transfer RNA
NT1 Thymonucleic Acid
RT Biological Repair
RT Cell Nuclei
RT Genetics
RT Nucleases
RT Nucleic Acid Denaturation
RT Nucleoproteins
RT Nucleotides
RT Photoreactivation
RT Precursor
RT Ribosides
RT Two-Dimensional Electrophoresis

Nucleogenesis
DA December 1, 1974
USE Nucleosynthesis

NUCLEOLI [01]
DA December 1, 1974
BT1 Cell Nuclei
BT2 Cell Constituents
RT Chromosomes
RT Ribosomal RNA
RT RNA

NUCLEON-ANTINUCLEON INTERACTIONS [01]
DA December 1, 1974
BT1 Baryon-Baryon Interactions
BT2 Hadron-Hadron Interactions
BT3 Particle Interactions
BT4 Interactions
NT1 Antiproton-Neutron Interactions
NT1 Neutron-Antineutron Interactions
NT1 Proton-Antineutron Interactions
NT1 Proton-Antiproton Interactions

NUCLEON BEAMS [01]
DA December 1, 1974
BT1 Particle Beams
BT2 Beams
NT1 Neutron Beams
NT1 Proton Beams

NUCLEON-DEUTERON INTERACTIONS
DA January 24, 1975
BT1 Baryon-Baryon Interactions
BT2 Hadron-Hadron Interactions
BT3 Particle Interactions
BT4 Interactions
NT1 Antineutron-Deuteron Interactions
NT1 Antiproton-Deuteron Interactions
NT1 Neutron-Deuteron Interactions
NT1 Proton-Deuteron Interactions
RT Deuterons
RT Nucleons

NUCLEON-HYPERON INTERACTIONS [01]
DA December 1, 1974

BT1 Baryon-Baryon Interactions
BT2 Hadron-Hadron Interactions
BT3 Particle Interactions
BT4 Interactions

Nucleon Isobars
DA December 1, 1974
USE N*Baryons

NUCLEON-NUCLEON INTERACTIONS [01]
DA December 1, 1974
BT1 Baryon-Baryon Interactions
BT2 Hadron-Hadron Interactions
BT3 Particle Interactions
BT4 Interactions
NT1 Neutron-Neutron Interactions
NT1 Proton-Nucleon Interactions
NT2 Proton-Neutron Interactions
NT2 Proton-Proton Interactions
RT Reid Potential

NUCLEON-NUCLEON POTENTIAL [01]
DA December 1, 1974
BT1 Potentials
NT1 Gammel-Brueckner Potential
NT1 Gauss Potential
NT1 Hamada-Johnston Potential
NT1 Reid Potential
NT1 Schiffer Potential
NT1 Signell-Marshak Potential
NT1 Skyrme Potential
NT1 Surface Delta Potential
NT1 Yamaguchi Potential
RT Gartenhaus Potential
RT Interactions
RT Jastrow Theory
RT Levy-Klein Potential
RT Nuclear Models
RT Nucleons
RT OPE Potential
RT Resonating-Group Method
RT Rosenfeld Force
RT Tabakin Potential
RT Yukawa Potential

NUCLEON REACTIONS [01]
DA December 1, 1974
BT1 Baryon Reactions
BT2 Hadron Reactions
BT3 Nuclear Reactions
NT1 Antinucleon Reactions
NT2 Antineutron Reactions
NT2 Antiproton Reactions
NT1 Neutron Reactions
NT2 Fast Fission
NT2 Thermal Fission
NT1 Proton Reactions

NUCLEONS [01]
DA December 1, 1974
BT1 Baryons
BT2 Fermions
BT2 Hadrons
BT3 Elementary Particles
NT1 Antinucleons
NT2 Antineutrons
NT2 Antiprotons
NT1 Neutrons
NT2 Antineutrons
NT2 Beta-Delayed Neutrons
NT2 Cold Neutrons
NT3 Ultracold Neutrons
NT2 Cosmic Neutrons
NT2 Epithermal Neutrons
NT2 Fast Neutrons
NT2 Fission Neutrons
NT3 Delayed Neutrons
NT3 Prompt Neutrons
NT2 Intermediate Neutrons
NT2 Photoneutrons
NT2 Pile Neutrons
NT2 Polyneutrons
NT3 Dineutrons
NT3 Tetraneutrons
NT3 Trineutrons
NT2 Resonance Neutrons
NT2 Slow Neutrons
NT2 Solar Neutrons
NT2 Thermal Neutrons
NT1 Photonucleons
NT2 Photoneutrons
NT1 Protons
NT2 Cosmic Protons
NT2 Delayed Protons
NT2 Diprotons
NT2 Photoprotons
NT2 Prompt Protons
NT2 Solar Protons
NT2 Trapped Protons
RT Brueckner Method
RT Charge Independence
RT Effective Range Theory
RT Hard-Core Potential
RT Levinger-Bethe Theory
RT Massey-Mohr Equation
RT Nucleon-Deuteron Interactions
RT Nucleon-Nucleon Potential
RT OPE Potential
RT Pseudovector Coupling
RT Rosenfeld Force
RT Signell-Marshak Potential
RT Stapp Theory
RT Tabakin Potential
RT Wolfenstein Parameters
RT Yamaguchi Potential
RT Yukawa Potential

NUCLEOPROTEINS [01]
DA December 1, 1974
BT1 Proteins
BT2 Organic Compounds
RT DNA Methylases
RT DNA Polymerases
RT DNA-ase
RT Endonucleases
RT Gene Recombination Proteins
RT Gene Repressors
RT Histones
RT Nucleases
RT Nucleic Acids
RT Protamines
RT RNA Polymerases
RT RNA Processing
RT Transcription Factors

NUCLEOSIDES [01]
DA December 1, 1974
BT1 Nucleotides
BT2 Organic Compounds
BT1 Ribosides
NT1 Adenosine
NT1 BUDR
NT1 Cytidine
NT1 Deoxycytidine
NT1 Deoxyuridine
NT1 FUDR
NT1 Guanosine
NT1 Inosine
NT1 Iododeoxyuridine
NT1 Thymidine
NT1 Uridine
RT Biological Indicators
RT Purines
RT Pyrimidines

NUCLEOSOMES [01]
DA April 14, 1980
BT1 Chromatin
RT DNA
RT Histones
DEF Chromatin subunits composed of DNA-histone complexes.

NUCLEOSYNTHESIS [01]
DA December 1, 1974
UF *Nucleogenesis*
BT1 Synthesis
NT1 Thermonuclear Reactions
NT2 Impact Fusion
NT2 Muon-Catalyzed Fusion
RT Carbon Burning
RT CNO Cycle
RT Cosmochemistry
RT Helium Burning
RT Hydrogen Burning
RT Origin
RT R Process
RT S Process
RT Stars

NUCLEOTIDASES [01]
(Code number 3.1.3.31,3.1.3.5, and 3.1.3.6.)
DA December 1, 1974
BT1 Phosphatases
BT2 Esterases
BT3 Hydrolases
BT4 Enzymes
BT5 Proteins
BT6 Organic Compounds

NUCLEOTIDE DEHYDROGENASES
(Code number 1.6)
DA January 12, 1981
BT1 Oxidoreductases
BT2 Enzymes
BT3 Proteins
BT4 Organic Compounds
NT1 Diaphorase

NUCLEOTIDES [01]
DA December 1, 1974
BT1 Organic Compounds
NT1 Adenylic Acid
NT1 ADP
NT1 AMP
NT1 ATP
NT1 Cytidylic Acid
NT1 Cytriphos
NT1 Deoxycytidylic Acid
NT1 Guanylic Acid
NT1 NAD
NT1 NADH2
NT1 NADP
NT1 Nucleosides
NT2 Adenosine
NT2 BUDR
NT2 Cytidine
NT2 Deoxycytidine
NT2 Deoxyuridine
NT2 FUDR
NT2 Guanosine
NT2 Inosine
NT2 Iododeoxyuridine
NT2 Thymidine
NT2 Uridine
NT1 Thymidylic Acid
NT1 UDPG
NT1 UMP
NT1 Uridylic Acid
NT1 UTP
RT Codons
RT DNA Sequencing
RT Hypoxanthine
RT Nucleic Acids
RT Oligonucleotides
RT Organic Acids

NUCLEOTIDYLTRANSFERASES [01]
(Code number 2.7.7.)
DA January 12, 1981
BT1 Phosphorus-Group Transferases
BT2 Transferases
BT3 Enzymes
BT4 Proteins
BT5 Organic Compounds
NT1 Polymerases
NT2 DNA Polymerases
NT2 RNA Polymerases

Nuclides
DA December 1, 1974
USE Isotopes

NUMAK Reactors
(Prior to July 1985, this was a valid descriptor and older material is so indexed.)
DA October 23, 1978
USE UWMAK Devices

NUMATRON ACCELERATOR [01]
DA March 6, 1984
BT1 Heavy Ion Accelerators
BT2 Accelerators

NUMBER CODES [01]
DA December 1, 1974
BT1 Computer Codes

NUMERICAL ANALYSIS [01]
DA January 23, 1976
BT1 Mathematics
RT Computer Calculations
RT Computerized Simulation
RT Numerical Solution

RT Prony Method
DEF Study of approximation methods using arithmetic techniques.

NUMERICAL DATA [01]
DA February 27, 1979
BT1 Data
BT2 Information
NT1 Compiled Data
NT1 Evaluated Data
NT1 Experimental Data
NT1 Statistical Data
NT1 Theoretical Data

Numerical Data Tagging
DA May 23, 1980
USE Data Tagging

NUMERICAL SOLUTION [01]
(For the procedure only.)
DA December 1, 1974
NT1 Extrapolation
NT1 Finite Difference Method
NT1 Finite Element Method
NT2 Boundary Element Method
NT1 Interpolation
NT1 Maximum-Likelihood Fit
NT2 Least Square Fit
NT1 Runge-Kutta Method
RT Analytical Solution
RT Asymptotic Solutions
RT Calculation Methods
RT Galerkin-Petrov Method
RT Iterative Methods
RT Mathematics
RT Newton Method
RT Numerical Analysis

NUSSELT NUMBER [01]
DA December 1, 1974
RT Heat Transfer
RT Prandtl Number

NUTRIENTS [01]
DA December 1, 1974
RT Culture Media
RT Diet
RT Eutrophication
RT Feeding
RT Fertilizers
RT Food
RT Nutrition
RT Plant Sap
RT Xenobiotics

NUTRITION [01]
DA December 1, 1974
RT Animal Feeds
RT Diet
RT Food
RT Mass Rearing
RT Nutrients
RT Nutritional Deficiency
RT Rearing

NUTRITIONAL DEFICIENCY [01]
DA December 1, 1974
UF *Deficiency (Nutritional)*
UF *Malnutrition*
RT Diet
RT Metabolic Diseases
RT Nutrition

NUTS [01]
(Prior to February 1982, this concept was indexed to SEEDS.)
DA December 1, 1974
BT1 Fruits
BT2 Food
NT1 Chestnuts

Nuts (Mechanical)
DA February 11, 1982
USE Fasteners

NX-188
DA December 20, 1978
USE Alloy-NX-188

NYLON [01]
DA December 1, 1974
BT1 Plastics
BT2 Petrochemicals
BT3 Petroleum Products
BT2 Synthetic Materials
BT3 Materials
BT1 Polyamides
BT2 Organic Polymers
BT3 Organic Compounds
BT3 Polymers

Nymphs
DA December 1, 1974
USE Larvae

NYQUIST DIAGRAMS [01]
DA December 1, 1974
BT1 Diagrams
RT Feedback
RT Oscillations
RT Reactor Stability

O CODES [01]
DA December 1, 1974
BT1 Computer Codes

O-GLYCOSYL HYDROLASES [01]
(Code number 3.2.1.)
DA January 12, 1981
BT1 Glycosyl Hydrolases
BT2 Hydrolases
BT3 Enzymes
BT4 Proteins
BT5 Organic Compounds
NT1 Amylase
NT1 Cellulase
NT1 Galactosidase
NT1 Glucosidase
NT1 Glucuronidase
NT1 Hyaluronidase
NT1 Lysozyme
NT1 Xylanase

O GROUPS [01]
DA December 1, 1974
BT1 Dynamical Groups
BT2 Symmetry Groups
BT1 Lie Groups
BT2 Symmetry Groups

O-Rings
DA October 7, 1986
USE Gaskets

OAK RIDGE [01]
DA June 24, 1977
BT1 Tennessee
BT2 USA
BT3 Developed Countries
BT3 North America
BT1 Urban Areas
RT Oak Ridge Reservation
RT ORGDP
RT ORNL
RT Y-12 Plant

Oak Ridge Associated Universities
DA December 1, 1974
USE ORAU

Oak Ridge Critical Experiments Facility
DA December 1, 1974
USE OR-CEF Reactor

Oak Ridge Gaseous Diffusion Plant
DA February 13, 1975
USE ORGDP

Oak Ridge Institute of Nuclear Studies
DA December 26, 1984
USE ORINS

Oak Ridge National Laboratory
DA December 1, 1974
USE ORNL

Oak Ridge Research Reactor
DA December 1, 1974
USE ORR Reactor

OAK RIDGE RESERVATION [01]
DA January 28, 1985
BT1 US DOE
BT2 US Organizations
BT3 National Organizations
BT1 US ERDA
BT2 US Organizations
BT3 National Organizations
RT Oak Ridge
RT ORGDP
RT ORNL
RT Y-12 Plant
DEF DOE-owned land within the Oak Ridge area.

OAKS [01]
DA December 1, 1974
UF *Quercus*
BT1 Magnoliopsida
BT2 Magnoliophyta
BT3 Plants
BT1 *Trees*
BT2 Plants

OAPEC
DA August 4, 1976
BT1 International Organizations
BT1 Oil-Exporting Countries
RT Algeria
RT Bahrain
RT Egyptian Arab Republic
RT Iraq
RT Kuwait
RT Libya
RT Middle East
RT OPEC
RT Petroleum
RT Qatar
RT Saudi Arabia
RT Syria
RT United Arab Emirates
DEF Organization of Arab Petroleum Exporting Countries.

OAS
DA March 3, 1978
UF *Organization of American States*
BT1 International Organizations
RT Central America
RT Mexico
RT South America
RT USA

OATS [01]
DA December 1, 1974
UF *Avena*
BT1 Cereals
BT2 Gramineae
BT3 Liliopsida
BT4 Magnoliophyta
BT5 Plants

OBE MODEL [01]
DA December 1, 1974
UF *One-Boson-Exchange Model*
BT1 Boson-Exchange Models
BT2 Peripheral Models
BT3 Particle Models
BT4 Mathematical Models
NT1 OPE Model
NT2 Electric Born Model

Obesity
DA December 1, 1974
USE Metabolic Diseases

OBRIGHEIM REACTOR [01]
DA December 1, 1974
UF *Kernkraftwerk Obrigheim*
UF *KWO Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

Obsidianites
DA December 1, 1974
USE Tektites

Obstetrics
DA December 1, 1974
USE Gynecology

OCCIDENTAL FLASH PYROLYSIS PROCESS
(Prior to July 1976, this concept was indexed to GARRETT PYROLYSIS PROCESS.)
DA August 4, 1976
UF *Garrett Pyrolysis Process*
UF *ORC Flash Pyrolysis Process*
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes
BT1 Coal Liquefaction
BT2 Liquefaction
BT3 Thermochemical Processes
BT1 Waste Processing
BT2 Processing
BT2 Waste Management
BT3 Management
RT Oil Shales
RT Pyrolysis
RT Waste Processing Plants
DEF The ORC process consists of rapidly pyrolyzing particles at a temperature of less than 1400°F in an entrained stream of hot char and a gas substantially free of oxidizing constituents. Char, liquid and gas are products, with a portion of the char being heated and returned to the pyrolysis reactor.

Occlusion Complexes
DA December 1, 1974
USE Clathrates

Occultation
DA December 1, 1974
USE Eclipse

OCCUPANTS [01]
DA April 5, 1978
UF *Passengers*
RT Automobiles
RT Buildings
RT Buses
RT Human Populations
RT Motor Vehicle Operators
RT Recreational Vehicles
RT Taxicabs
RT Trains
RT Trucks
RT Vans
RT Vehicles

OCCUPATION NUMBER [01]
DA December 1, 1974
RT Pauli Principle
RT Quantum Mechanics
RT Statistical Mechanics

OCCUPATIONAL DISEASES [01]
DA December 1, 1974
BT1 Diseases
RT Industrial Medicine
RT Occupational Exposure
RT Occupational Safety
RT Occupations
RT Pneumoconioses
RT Respiratory System Diseases
RT US Occupational Safety and Health Act
RT Working Conditions

OCCUPATIONAL EXPOSURE [01]
DA June 29, 1984
RT Carcinogens
RT Ionizing Radiations
RT Mutagens
RT Occupational Diseases
RT Occupational Safety

OCCUPATIONAL SAFETY [01]
DA July 5, 1978
BT1 Safety
RT Drug Abuse
RT Health Hazards
RT Industrial Medicine
RT Occupational Diseases
RT Occupational Exposure
RT Occupations
RT Working Conditions

Occupational Safety and Health Act
(Prior to February 1992 this was a valid descriptor.)
DA November 14, 1978
USE US Occupational Safety and Health Act

Occupational Safety and Health Administration
DA June 14, 1978
USE US OSHA

OCCUPATIONS [01]
DA December 1, 1974
UF *Professions*
UF+ *Caste (Insects)*
RT Craftsmen
RT Employment
RT ICRP Critical Group
RT Labor
RT Manpower
RT Occupational Diseases
RT Occupational Safety
RT Personnel
RT Personnel Dosimetry
RT Professional Personnel
RT Sociology
RT Work
DEF Nature of work performed.

Ocean Currents
DA April 12, 1977
USE Water Currents

Ocean Spreading Center
DA April 24, 1985
USE Sea-Floor Spreading

OCEAN THERMAL ENERGY CONVERSION [01]
DA April 12, 1977
UF *OTEC*
BT1 Solar Energy Conversion
BT2 Energy Conversion
BT3 Conversion
RT Ocean Thermal Power Plants

OCEAN THERMAL POWER PLANTS [01]
DA April 12, 1977
UF *Solar Sea Power Plants*
BT1 Solar Power Plants
BT2 Power Plants
BT1 Thermal Power Plants
BT2 Power Plants
RT Lift Cycles
RT Ocean Thermal Energy Conversion

OCEANIA [01]
DA December 11, 1978
UF *Pacific Islands*
NT1 Micronesia
NT2 Kiribati
NT2 Marshall Islands
NT3 Bikini
NT3 Eniwetok
NT2 Nauru
NT2 Tuvalu
NT1 New Caledonia
RT Islands
DEF Collective name for lands of the central and south Pacific Ocean, including Melanesia, Micronesia, and Polynesia; and sometimes including Australia, New Zealand, and the Malay Archipelago.

OCEANIC CIRCULATION [01]
DA January 15, 1986
RT Box Models
RT General Circulation Models
RT Seas
RT Upwelling
RT Water Currents
DEF Large-scale movement of discrete water masses which can be treated by equations of motion.

OCEANIC CRUST [01]
DA September 19, 1977
BT1 Earth Crust
RT Continental Crust
RT Earth Planet

OCEANOGRAPHY [01]
DA December 1, 1974
RT Bathymetry
RT Buoys
RT Earth Planet
RT Geography
RT Limnology
RT Seas

Oceans
DA December 1, 1974
USE Seas

OCONEE-1 REACTOR [01]
(Oconee, South Carolina, USA)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

OCONEE-2 REACTOR [01]
(Oconee, South Carolina, USA)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

OCONEE-3 REACTOR [01]
(Oconee, South Carolina, USA)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

OCTADECANOIC ACID [01]
DA December 1, 1974
UF *Stearic Acid*
BT1 Monocarboxylic Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
RT Stearates

Octadecyl Glyceryl Ether-alpha
DA December 1, 1974
USE Batyl Alcohol

OCTAL 82 FACILITY [01]
DA September 15, 1983
RT Neodymium Lasers
DEF Neodymium glass laser facility at Limeil, France for laser fusion experiments.

OCTANE [01]
DA December 1, 1974

BT1 Alkanes
BT2 Hydrocarbons
BT3 Organic Compounds

Octane Number
DA January 28, 1975
USE Antiknock Ratings

OCTANOIC ACID [01]
DA December 1, 1974
UF *Caprylic Acid*
BT1 Monocarboxylic Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds

OCTANOLS [01]
DA December 1, 1974
UF *Octyl Alcohols*
BT1 Alcohols
BT2 Hydroxy Compounds
BT3 Organic Compounds

OCTENES
DA April 8, 1975
BT1 Alkenes
BT2 Hydrocarbons
BT3 Organic Compounds

OCTET MODEL [01]
DA December 1, 1974
UF *Eightfold Way*
BT1 Particle Models
BT2 Mathematical Models
RT Baryon Octets

OCTUPOLAR CONFIGURATIONS [01]
DA December 1, 1974
BT1 Multipolar Configurations
BT2 Closed Configurations
BT3 Magnetic Field Configurations

Octupole Radiation
DA December 1, 1974
USE Multipole Radiation

OCTUPOLES [01]
DA December 1, 1974
BT1 Multipoles

Octyl Alcohols
DA December 1, 1974
USE Octanols

OCTYL RADICALS [01]
DA December 1, 1974
BT1 Alkyl Radicals
BT2 Radicals

ODD-EVEN NUCLEI [01]
(Odd protons, even neutrons)
DA December 1, 1974
BT1 Nuclei
NT1 Actinium 209
NT1 Actinium 211
NT1 Actinium 213
NT1 Actinium 215
NT1 Actinium 217
NT1 Actinium 219
NT1 Actinium 221
NT1 Actinium 223
NT1 Actinium 225
NT1 Actinium 227
NT1 Actinium 229
NT1 Actinium 231
NT1 Actinium 233
NT1 Aluminium 23
NT1 Aluminium 25
NT1 Aluminium 27
NT1 Aluminium 29
NT1 Aluminium 31
NT1 Aluminium 33
NT1 Aluminium 35
NT1 Aluminium 37
NT1 Aluminium 39
NT1 Americium 237
NT1 Americium 239
NT1 Americium 241
NT1 Americium 243
NT1 Americium 245
NT1 Americium 247
NT1 Antimony 109
NT1 Antimony 111
NT1 Antimony 113
NT1 Antimony 115
NT1 Antimony 117
NT1 Antimony 119
NT1 Antimony 121
NT1 Antimony 123
NT1 Antimony 125
NT1 Antimony 127
NT1 Antimony 129
NT1 Antimony 131
NT1 Antimony 133
NT1 Antimony 135
NT1 Arsenic 65
NT1 Arsenic 67
NT1 Arsenic 69
NT1 Arsenic 71
NT1 Arsenic 73
NT1 Arsenic 75
NT1 Arsenic 77
NT1 Arsenic 79
NT1 Arsenic 81
NT1 Arsenic 83
NT1 Arsenic 85
NT1 Arsenic 87
NT1 Astatine 195
NT1 Astatine 197
NT1 Astatine 199
NT1 Astatine 201
NT1 Astatine 203
NT1 Astatine 205
NT1 Astatine 207
NT1 Astatine 209
NT1 Astatine 211
NT1 Astatine 213
NT1 Astatine 215
NT1 Astatine 217
NT1 Astatine 219
NT1 Astatine 221
NT1 Astatine 223
NT1 Berkelium 241
NT1 Berkelium 243
NT1 Berkelium 245
NT1 Berkelium 247
NT1 Berkelium 249
NT1 Berkelium 251
NT1 Bismuth 189
NT1 Bismuth 191
NT1 Bismuth 193
NT1 Bismuth 195
NT1 Bismuth 197
NT1 Bismuth 199
NT1 Bismuth 201
NT1 Bismuth 203
NT1 Bismuth 205
NT1 Bismuth 207
NT1 Bismuth 209
NT1 Bismuth 211
NT1 Bismuth 213
NT1 Bismuth 215
NT1 Boron 7
NT1 Boron 9
NT1 Boron 11
NT1 Boron 13
NT1 Boron 15
NT1 Boron 17
NT1 Boron 19
NT1 Bromine 69
NT1 Bromine 71
NT1 Bromine 73
NT1 Bromine 75
NT1 Bromine 77
NT1 Bromine 79
NT1 Bromine 81
NT1 Bromine 83
NT1 Bromine 85
NT1 Bromine 87
NT1 Bromine 89
NT1 Bromine 91
NT1 Bromine 93
NT1 Cesium 113
NT1 Cesium 115
NT1 Cesium 117
NT1 Cesium 119
NT1 Cesium 121
NT1 Cesium 123
NT1 Cesium 125
NT1 Cesium 127
NT1 Cesium 129
NT1 Cesium 131
NT1 Cesium 133
NT1 Cesium 135
NT1 Cesium 137
NT1 Cesium 139
NT1 Cesium 141
NT1 Cesium 143
NT1 Cesium 145
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RT Nuclear Structure

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(Odd protons, odd neutrons.)
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NT1 Terbium 146
NT1 Terbium 148
NT1 Terbium 150
NT1 Terbium 152
NT1 Terbium 154
NT1 Terbium 156
NT1 Terbium 158
NT1 Terbium 160
NT1 Terbium 162
NT1 Terbium 164
NT1 Thallium 182
NT1 Thallium 184
NT1 Thallium 186
NT1 Thallium 188
NT1 Thallium 190
NT1 Thallium 192
NT1 Thallium 194
NT1 Thallium 196
NT1 Thallium 198
NT1 Thallium 200
NT1 Thallium 202
NT1 Thallium 204
NT1 Thallium 206
NT1 Thallium 208
NT1 Thallium 210
NT1 Thulium 148
NT1 Thulium 150
NT1 Thulium 152
NT1 Thulium 154
NT1 Thulium 156
NT1 Thulium 158
NT1 Thulium 160
NT1 Thulium 162
NT1 Thulium 164
NT1 Thulium 166
NT1 Thulium 168
NT1 Thulium 170
NT1 Thulium 172
NT1 Thulium 174
NT1 Thulium 176
NT1 Vanadium 42
NT1 Vanadium 44
NT1 Vanadium 46
NT1 Vanadium 48
NT1 Vanadium 50
NT1 Vanadium 52
NT1 Vanadium 54
NT1 Vanadium 56
NT1 Vanadium 58
NT1 Vanadium 60
NT1 Yttrium 80
NT1 Yttrium 82
NT1 Yttrium 84
NT1 Yttrium 86
NT1 Yttrium 88
NT1 Yttrium 90
NT1 Yttrium 92
NT1 Yttrium 94
NT1 Yttrium 96
NT1 Yttrium 98
NT1 Yttrium 100
NT1 Yttrium 102
RT Nuclear Structure

Odocoileus
DA December 1, 1974
USE Deer

ODOR [01]
DA December 1, 1974
BT1 Organoleptic Properties
RT Chemical Attractants
RT Chemoreceptors
RT Odorization

ODORANT DISPENSERS
DA June 13, 1981
BT1 Equipment
RT Odorization

ODORANTS
DA June 13, 1981
RT Odorization
DEF Chemicals such as mercaptans and alkyl sulfides added to gases to aid in leak detection.

ODORIZATION
DA March 4, 1977
UF *Gas Odorization*
BT1 Processing
RT Odor
RT Odorant Dispensers
RT Odorants
RT Odorometers

ODOROMETERS
DA June 13, 1981
BT1 Measuring Instruments
RT Odorization
DEF Instruments that measure the concentrations of odorants in gases.

OECD [01]
DA December 1, 1974
UF *Organization Economic Co-operation and Development*
BT1 International Organizations
NT1 NEA
NT2 ENEA
RT Australia
RT Austria
RT Belgium
RT Canada
RT Denmark
RT Federal Republic of Germany
RT Finland
RT France
RT Greece
RT Iceland
RT International Energy Agency
RT Ireland
RT Italy
RT Japan
RT Luxembourg
RT Netherlands
RT New Zealand
RT Norway
RT Portugal
RT Spain
RT Sweden
RT Switzerland
RT Turkey
RT United Kingdom
RT USA

OECD MCMSDRW [01]
(Multilateral Consultation and Surveillance Mechanism for Sea Dumping of Radioactive Waste, set up by the OECD Council on 22 July 1977.)
DA October 19, 1978
BT1 International Regulations

BT2 Regulations
RT Contamination
RT LCPMPDPW
RT Marine Disposal

OER
DA December 1, 1974
USE Oxygen Enhancement Ratio

OFF-GAS SYSTEMS [01]
DA December 1, 1974
RT Air Cleaning Systems
RT Gaseous Wastes
RT Pollution Control Equipment

OFF-HIGHWAY USE
DA June 7, 1982
RT Fuel Consumption
RT Taxes

OFF-PEAK ENERGY STORAGE
DA January 27, 1975
BT1 Energy Storage
BT2 Storage
RT Electric Batteries
RT Fuel Cells
RT Load Management
RT Peaking Power Plants
RT Pumped Storage
RT Redox Fuel Cells

OFF-PEAK POWER [01]
DA June 2, 1977
BT1 Electric Power
BT2 Power
RT Electricity
RT Nuclear Power
RT Peak-Load Pricing
RT Power Demand
RT Power Plants
RT Public Utilities
RT Time-of-Use Pricing

OFFICE BUILDINGS [01]
DA January 24, 1975
BT1 Buildings
RT Commercial Buildings
RT Government Buildings
RT Office Furniture
RT Public Buildings

OFFICE FURNITURE
DA March 24, 1983
RT Equipment
RT Office Buildings

Office of Technology Assessment
DA March 17, 1981
USE US OTA

Official Travel
DA March 23, 1983
USE Travel

OFFSHORE DRILLING [01]
DA February 20, 1975
BT1 Drilling
RT Marine Risers
RT MWD Systems
RT Offshore Operations
RT Offshore Platforms
RT Offshore Sites

OFFSHORE NUCLEAR POWER PLANTS [01]
DA December 1, 1974
UF *Floating Nuclear Power Plants*
UF *Platform Mounted Nuclear Plant*
BT1 Nuclear Power Plants
BT2 Nuclear Facilities
BT2 Thermal Power Plants
BT3 Power Plants
RT Atlantic-1 Reactor
RT Atlantic-2 Reactor
RT Estuaries
RT Offshore Sites
RT Reactor Sites
RT Seas
RT Shores
RT Site Selection

OFFSHORE OPERATIONS [01]
DA March 11, 1976
RT Buoys
RT Diving Operations
RT Offshore Drilling
RT Skimmers
RT Underwater Facilities
RT Underwater Operations

OFFSHORE PLATFORMS [01]
(Includes gravity or fixed, floating, and towed platforms.)
DA August 19, 1975
UF *Drilling Platforms*
UF+ *Drill Ships*
RT Marine Risers
RT Offshore Drilling
RT Offshore Sites
RT Positioning

OFFSHORE SITES [01]
DA December 1, 1974
RT Coastal Waters
RT Estuaries
RT Offshore Drilling
RT Offshore Nuclear Power Plants
RT Offshore Platforms
RT Onshore Sites
RT Reactor Sites
RT Seas
RT Shores
RT Site Selection

Offshore Surveys
DA November 17, 1976
USE Marine Surveys

Offsprings
DA December 1, 1974
USE Progeny

OGO SATELLITES [01]
DA December 1, 1974
BT1 Satellites
RT Space Flight

OGRA [01]
DA December 1, 1974
BT1 Magnetic Mirrors
BT2 Open Plasma Devices
BT3 Thermonuclear Devices

Ohi-3 Reactor
DA March 15, 1990
USE Oi-3 Reactor

Ohi-4 Reactor
DA March 15, 1990
USE Oi-4 Reactor

OHIO [01]
DA December 1, 1974
BT1 USA
BT2 Developed Countries
BT2 North America
NT1 Cleveland
RT Battelle Columbus Laboratory
RT Chattanooga Formation
RT Feed Materials Production Center
RT Mound Laboratory
RT Ohio River
RT Portsmouth Centrifuge Enrichment Plant
RT Portsmouth Gaseous Diffusion Plant
RT Scioto River

OHIO RIVER [01]
DA December 1, 1974
BT1 Rivers
BT2 Streams
BT3 Surface Waters
RT Illinois
RT Indiana
RT Kentucky
RT Ohio
RT Ohio Valley Region
RT Pennsylvania
RT West Virginia

Ohio State University Reactor
DA December 1, 1974
USE OSUR Reactor

OHIO VALLEY REGION
DA February 14, 1978
RT Ohio River

OHM LAW [01]
DA December 1, 1974
RT Electric Conductivity

Ohmic Plasma Heating
DA December 1, 1974
USE Joule Heating

Ohmic Plasma Losses
DA December 1, 1974
USE Energy Losses

Ohmic Resistance
DA December 1, 1974
USE Electric Conductivity

OI-1 REACTOR [01]
DA December 1, 1974
UF *KEPCO Oshima Oi-1 Reactor*
UF *Oshima Oi-1 Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

OI-2 REACTOR [01]
DA December 1, 1974
UF *KEPCO Oshima Oi-2 Reactor*
UF *Oshima Oi-2 Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

OI-3 REACTOR [01]
(Oi, Fukui, Japan.)
DA March 15, 1990
UF *Ohi-3 Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

OI-4 REACTOR [01]
(Oi, Fukui, Japan.)
DA March 15, 1990
UF *Ohi-4 Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

OIL BURNERS
DA May 9, 1979
BT1 Burners

RT Combustion
RT Oil Furnaces

OIL-EXPORTING COUNTRIES
(For broad, general use only; if specific countries are discussed use the specific country descriptor.)
DA August 7, 1979
NT1 OAPEC
NT1 OPEC
RT Developed Countries
RT Developing Countries
DEF Countries (industrial or developing) who export some of the oil they produce.

OIL FIELDS [01]
DA March 11, 1976
BT1 Petroleum Deposits
BT2 Geologic Deposits
BT2 Mineral Resources
BT3 Resources
RT Associated Gas
RT Field Production Equipment
RT Gas Condensate Fields
RT Oil Wells
RT Reservoir Fluids
RT Reservoir Rock
RT Well Injection Equipment
RT Well Recovery Equipment
RT Well Spacing
DEF Surface boundary of an area from which petroleum is obtained; may correspond to an oil pool or may be circumscribed by political or legal limits.

OIL-FILLED CABLES [01]
DA March 11, 1976
BT1 Electric Cables
BT2 Cables
BT2 Conductor Devices
BT3 Electrical Equipment
BT4 Equipment
RT Power Transmission
RT Power Transmission Lines

OIL FURNACES [01]
DA June 21, 1977
BT1 Furnaces
RT Oil Burners
RT Space Heating

OIL-IMPORTING COUNTRIES
(For broad, general use only; if specific countries are discussed, use the specific country descriptor.)
DA April 14, 1977
RT Developing Countries
RT Imports
RT Trade
DEF Countries (industrial or developing) that import some of their oil supplies.

OIL PALMS [01]
DA October 28, 1975
BT1 Liliopsida
BT2 Magnoliophyta
BT3 Plants
BT1 Trees
BT2 Plants
RT Oils

OIL POLLUTION CONTAINMENT [01]
DA January 23, 1978
BT1 Pollution Control
BT2 Control
RT Oil Retention Booms
RT Oil Spills
RT Water Pollution Control

Oil Residues
DA October 20, 1977
USE Petroleum Residues

OIL RETENTION BOOMS [01]
DA January 23, 1978
BT1 Pollution Control Equipment
BT2 Equipment
RT Oil Pollution Containment

OIL SAND DEPOSITS [01]
DA June 12, 1975
BT1 Geologic Deposits
NT1 Asphalt Ridge Deposit
NT1 Athabasca Deposit
NT1 Circle Cliffs Deposit
NT1 Cold Lake Deposit
NT1 Edna Deposit
NT1 Lloydminster Deposit
NT1 Peace River Deposit
NT1 PR Springs Deposit
NT1 Santa Rosa Deposit
NT1 Sunnyside Deposit
NT1 Tar Sand Triangle Deposit
NT1 Uvalde Deposit
NT1 Wabasca Deposit
RT Oil Sands
RT Reserves

OIL SAND INDUSTRY
DA May 6, 1975
BT1 Industry
RT Mineral Industry
RT Oil Sands

OIL SAND MINING [01]
DA October 28, 1980
BT1 Mining
RT Oil Sands
RT Surface Mining

Oil Sand Oils
DA January 28, 1975
USE Bitumens

OIL SAND PROCESSING PLANTS
DA June 30, 1975
BT1 Industrial Plants
RT Oil Sands

OIL SAND TAILINGS [01]
DA June 12, 1975
UF *Tar Sand Tailings*
BT1 Tailings
BT2 Solid Wastes
BT3 Wastes

OIL SANDS [01]
DA February 6, 1975
UF *Tar Sands*
BT1 Bituminous Materials
BT2 Carbonaceous Materials
BT3 Materials
BT1 Fossil Fuels
BT2 Energy Sources
BT2 Fuels
RT Asphalt Ridge Deposit
RT Athabasca Deposit
RT Circle Cliffs Deposit
RT Cold Lake Deposit
RT Cold-Water Processes
RT Edna Deposit
RT Fluid Injection Processes
RT H-Oil Process
RT Hot-Water Processes
RT Oil Sand Deposits
RT Oil Sand Industry
RT Oil Sand Mining
RT Oil Sand Processing Plants
RT Oil Shales
RT Peace River Deposit
RT PR Springs Deposit
RT ROPE Process
RT Santa Rosa Deposit
RT SOLFRAC Process
RT Steam Soak Processes
RT Sunnyside Deposit
RT Tar Sand Triangle Deposit
RT Uvalde Deposit
RT Wabasca Deposit

OIL SATURATION [01]
DA July 7, 1976
BT1 Saturation
RT Gas Saturation
RT Reservoir Rock
RT Water Saturation
DEF Degree of filling of reservoir pore structure by reservoir oil.

OIL SHALE DEPOSITS [01]
DA June 12, 1975
BT1 Geologic Deposits
BT1 Mineral Resources
BT2 Resources
NT1 US Naval Oil Shale Reserves
RT Chattanooga Formation
RT Geophysical Surveys
RT Green River Formation
RT Oil Shales
RT Piceance Creek Basin
RT Reserves
RT Rock Springs Sites
RT Sand Wash Basin
RT Uinta Basin
RT Uinta Formation
RT Washakie Basin

OIL SHALE FINES
DA November 1, 1976
RT Oil Shales

OIL SHALE INDUSTRY [01]
DA February 6, 1975
BT1 Industry
RT Mineral Industry
RT Oil Shales
RT Shale Oil

OIL SHALE MINING [01]
DA November 17, 1976
UF *Shale Mining*
BT1 Mining
RT Mining Engineering
RT Surface Mining
RT Underground Mining

OIL SHALE PROCESSING PLANTS [01]
DA April 8, 1975
BT1 Industrial Plants
NT1 Anvil Points Research Facility
NT1 Glen Davis Facility
RT Gas Generators
RT Oil Shales

Oil Shale Waste Water
DA March 25, 1976
USE Oil Shales
AND Waste Water

OIL SHALES [01]
DA December 1, 1974
UF+ *Oil Shale Waste Water*
UF+ *Saline Zone*
BT1 Bituminous Materials
BT2 Carbonaceous Materials
BT3 Materials
BT1 Fossil Fuels
BT2 Energy Sources
BT2 Fuels
BT1 Shales
BT2 Sedimentary Rocks
BT3 Rocks
RT Anvil Points Research Facility
RT Bitumens
RT Explosive Stimulation
RT Ferrobacillus Ferrooxidans
RT Fischer Assay
RT Fluidized Bed Refuse Gasification
RT Fushun Process
RT Galoter Process
RT Gas Combustion Process
RT Gas-Flow Processes
RT Gasbuggy Event
RT Green River Formation
RT H-Oil Process
RT Holzheimer Process
RT Hot-Water Processes
RT Hydroretorting Assay
RT Hydrotorting Process
RT Ichthammol
RT In-Situ Processing
RT In-Situ Retorting
RT Integrated In-Situ Process
RT Kerogen
RT Kiviter Process
RT Ljungstrom Process
RT LOFRECO Process
RT Lurgi-Ruhrgas Process
RT Mahogany Zone
RT NTU Process
RT Occidental Flash Pyrolysis Process
RT Oil Sands

RT Oil Shale Deposits
RT Oil Shale Fines
RT Oil Shale Industry
RT Oil Shale Processing Plants
RT Oxy Modified In-Situ Process
RT Paraho Process
RT Petrosix Process
RT Pumpherston Retort
RT Retorting
RT Rio Blanco Oil Shale Project
RT RISE
RT ROPE Process
RT Rulison Event
RT Shale Gas
RT Shale Oil
RT Shale Oil Fractions
RT Shell Pellet Heat Exchanger Retorting
RT SOLFRAC Process
RT Spent Shales
RT Superior Process
RT T3 Process
RT Tosco Process
RT Uinta Formation
RT Union Oil Process
RT Wasatch Formation
RT White River Shale Project

Oil Spill Fingerprinting
DA August 7, 1978
USE Oil Spills
AND Pattern Recognition

OIL SPILLS [01]
DA January 21, 1975
UF+ *Fingerprinting (Oil Spills)*
UF+ *Oil Spill Fingerprinting*
RT Chemical Spills
RT Hazardous Materials Spills
RT Oil Pollution Containment
RT Pattern Recognition
RT Petroleum
RT Pollution
RT Rotating Disk Removal Systems
RT Skimmers
RT Sorbent Recovery Systems
RT Weir Oil Recovery Systems

Oil-Water Separators
DA May 18, 1981
SEE Separation Equipment

OIL WELLS [01]
DA September 11, 1975
BT1 Wells
RT Abandoned Wells
RT Artificial Lifts
RT Blowout Preventers
RT Blowouts
RT Carbon Dioxide Injection
RT Drill Stem Testing
RT Dry Holes
RT Exploratory Wells
RT Field Production Equipment
RT Gas Condensate Wells
RT Gas Lifts
RT Interstitial Water
RT Oil Fields
RT Packings
RT Perforation
RT Petroleum
RT Plugging
RT Plugging Agents
RT Propping Agents
RT Reentry
RT Rod Pumps
RT Sand Consolidation
RT Water Influx
RT Well Completion
RT Well Injection Equipment
RT Well Pressure
RT Well Recovery Equipment
RT Well Servicing
RT Wellhead Prices
RT Wellheads

OIL YIELDS [01]
DA April 15, 1975
BT1 Yields
RT Petroleum
RT Productivity

OILS [01]
DA December 1, 1974
BT1 Other Organic Compounds
BT2 Organic Compounds
NT1 Coal Tar Oils
NT1 Essential Oils
NT1 Fish Oil
NT1 Insulating Oils
NT1 Linseed Oil
NT1 Lipiodol
NT1 Lubricating Oils
NT1 Pyrolytic Oils
NT1 Road Oils
NT1 Shale Tar Oils
NT1 Tall Oil
NT1 Triolein
NT1 Vegetable Oils
NT2 Castor Oil
NT2 Corn Oil
NT2 Cottonseed Oil
NT2 Croton Oil
NT2 Olive Oil
NT2 Peanut Oil
NT2 Sesame Oil
NT2 Soybean Oil
NT2 Sunflower Oil
NT1 Waste Oils
NT1 Wood Oils
RT Bromine Number
RT Coolants
RT Distillates
RT Fuel Oils
RT Greases
RT Hydrocarbons
RT Oil Palms
RT Petroleum Products
RT Terpenes
RT Triglycerides

OINTMENTS [01]
DA December 1, 1974
RT Drugs
RT Skin

OKG-1 REACTOR [01]
DA December 1, 1974
UF *Oskarshamn-1 Reactor*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

OKG-2 REACTOR [01]
DA December 1, 1974
UF *Oskarshamn-2 Reactor*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

OKG-3 REACTOR [01]
DA December 1, 1974
UF *Oskarshamn-3 Reactor*
BT1 Power Reactors
BT2 Reactors

OKG-4 REACTOR [01]
DA December 1, 1974
UF *Oskarshamn-4 Reactor*
BT1 Power Reactors
BT2 Reactors

OKINAWA [01]
DA August 25, 1980
BT1 Islands
RT Japan

OKLAHOMA [01]
DA December 1, 1974
BT1 USA
BT2 Developed Countries
BT2 North America
RT Chattanooga Formation
RT Ozark Region
RT Permian Basin
RT Sequoyah UF6 Production Plant

OKLO PHENOMENON [01]
DA March 12, 1976
BT1 Natural Nuclear Reactors
RT Gabon
RT Spontaneous Fission
RT Uranium Deposits

Oktemberian-2 Reactor
DA September 20, 1984
USE Armenian-2 Reactor

OKTEMBERYAN-2 REACTOR [01]
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

OKUBO MASS FORMULA [01]
DA December 1, 1974
BT1 Mass Formulae
RT Particle Multiplets

OLD FAITHFUL GEYSER
DA January 23, 1975
BT1 Geysers
BT2 Hot Springs
BT3 Thermal Springs
BT4 Water Springs
RT Yellowstone National Park

OLDBURY-A REACTOR [01]
(Oldbury On Severn, Gloucestershire, UK)
DA December 1, 1974
BT1 Carbon Dioxide Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Magnox Type Reactors
BT2 GCR Type Reactors
BT3 Gas Cooled Reactors
BT4 Reactors
BT3 Graphite Moderated Reactors
BT4 Reactors
BT2 Natural Uranium Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

OLDBURY-B REACTOR [01]
(Oldbury On Severn, Gloucestershire, UK)
DA December 1, 1974
BT1 Carbon Dioxide Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

Olefins
DA December 1, 1974
USE Alkenes

OLEIC ACID [01]
DA December 1, 1974
BT1 Monocarboxylic Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
RT Triolein

Olein
DA December 1, 1974
USE Triolein

OLEORESINS
DA May 31, 1979
RT Aromatics
RT Biomass
DEF A plant product containing chiefly essential oil and resin; obtained from plants such as pine trees.

OLFACTORY BULBS [01]
DA December 1, 1974
BT1 Brain
BT2 Central Nervous System
BT3 Nervous System
BT2 Organs
BT3 Body
RT Sense Organs

Oligocene Epoch
DA October 20, 1977
USE Tertiary Period

OLIGONUCLEOTIDES
DA December 1, 1974
BT1 Nucleic Acids
BT2 Organic Compounds
RT DNA Hybridization
RT DNA-Cloning
RT Nucleotides
RT Recombinant DNA
RT Two-Dimensional Electrophoresis
DEF A polynucleotide of low molecular weight, usually consisting of less than 20 nucleotide pairs.

OLIGOPHENYLENES [01]
DA December 1, 1974
BT1 Aromatics
BT2 Organic Compounds
BT1 Hydrocarbons
BT2 Organic Compounds

OLIGOSACCHARIDES [01]
DA December 1, 1974
BT1 Saccharides
BT2 Carbohydrates
BT3 Organic Compounds
NT1 Disaccharides
NT2 Cellobiose
NT2 Lactose
NT2 Maltose
NT2 Melibiose
NT2 Saccharose
NT1 Raffinose

OLIVE OIL [01]
DA December 1, 1974
UF *Florence Oil*
UF *Luccu Oil*
BT1 Triglycerides
BT2 Esters
BT3 Organic Compounds
BT2 Lipids
BT3 Organic Compounds
BT1 Vegetable Oils
BT2 Oils
BT3 Other Organic Compounds
BT4 Organic Compounds
RT Olives

OLIVE TREES [01]
DA January 26, 1976
BT1 Magnoliopsida
BT2 Magnoliophyta
BT3 Plants
BT1 Trees
BT2 Plants

OLIVES [01]
DA December 1, 1974
BT1 Fruits
BT2 Food
RT Dacus Oleae
RT Olive Oil

OLIVINE [01]
DA December 1, 1974
UF *Olivines*
BT1 Silicate Minerals
BT2 Minerals
RT Anorthosites
RT Basalt
RT Dielectric Track Detectors
RT Iron Silicates
RT Kimberlites
RT Magnesium Silicates
RT Peridotites

Olivines
(Prior to August 1980 this was a valid term and older citations are so indexed.)
DA September 5, 1980
USE Olivine

OLKILUOTO REACTOR
(Used for TVO-1 REACTOR prior to 1976.)
DA January 21, 1975
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

→**OLYMPIC DAM MINE [01]**
DA May 16, 1990
BT1 Uranium Mines
BT2 Mines
BT3 Underground Facilities
RT Roxby Downs Deposit
RT South Australia

Omaha Veterans TRIGA-Mk-1
DA December 1, 1974
USE TRIGA-Veterans Reactor

OMAN [01]
DA October 13, 1976
BT1 Arab Countries
BT1 Asia
BT1 Developing Countries
BT1 Middle East

OMEGA3-1670 MESONS [01]
(Prior to February 1988 this concept was indexed by OMEGA-1670 RESONANCES.)
DA February 1, 1988
UF *Omega-1675 Resonances*
BT1 Tensor Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

OMEGA-783 MESONS [01]
(Prior to January 1988 this concept was indexed by Omega-784 Resonances.)
DA January 25, 1988
UF *Omega-784 Resonances*
BT1 Vector Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

Omega-784 Resonances
(Prior to January 1988 this was a valid descriptor.)
DA December 1, 1974
USE Omega-783 Mesons

Omega-1675 Resonances
(Prior to February 1988 this was a valid descriptor.)
DA March 4, 1977
USE Omega3-1670 Mesons

Omega-1778 Resonances
(Prior to March 1988 this was a valid descriptor.)
DA November 10, 1977
USE Mesons

OMEGA BARYONS [01]
DA February 26, 1988
BT1 Hyperons
BT2 Baryons
BT3 Fermions
BT3 Hadrons
BT4 Elementary Particles
BT2 Strange Particles
BT3 Elementary Particles
NT1 Omega Particles
NT2 Antiomega Particles

OMEGA C NEUTRAL BARYONS [01]
DA February 26, 1988
BT1 Charmed Baryons
BT2 Baryons
BT3 Fermions
BT3 Hadrons
BT4 Elementary Particles
BT2 Charm Particles
BT3 Elementary Particles

OMEGA FACILITY [01]
DA May 25, 1979
RT GDL Facility
RT Laser Fusion Reactors
RT Neodymium Lasers
DEF Large Nd laser facility at Univ. of Rochester to be used for laser fusion.

Omega Minus
(Prior to February 1988 this was a valid descriptor.)
DA December 1, 1974
USE Omega Particles

OMEGA PARTICLE BEAMS [01]
DA December 1, 1974
BT1 Hyperon Beams
BT2 Particle Beams
BT3 Beams

OMEGA PARTICLES [01]
DA December 1, 1974
UF *Omega Minus*
BT1 Omega Baryons
BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles
NT1 Antiomega Particles

Omega West Reactor
DA December 1, 1974
USE OWR Reactor

Omentum
DA December 1, 1974
USE Mesentery

OMNES-MUSKHELISHVILI METHOD [01]
DA December 1, 1974
BT1 Calculation Methods
RT Partial Waves

OMNITRON [01]
DA December 1, 1974
BT1 Synchrotrons
BT2 Cyclic Accelerators
BT3 Accelerators

OMR TYPE REACTORS [01]
DA December 1, 1974
UF *Organic Cooled and Moderated Reactor*
BT1 Organic Cooled Reactors
BT2 Reactors
BT1 Organic Moderated Reactors
BT2 Reactors
NT1 ARBUS Reactor
NT1 OMRE Reactor

NT1 PNPF Reactor
RT Power Reactors

OMRE REACTOR [01]
DA December 1, 1974
UF *Organic Moderated Reactor Experiment*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Experimental Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Mixed Spectrum Reactors
BT2 Reactors
BT1 OMR Type Reactors
BT2 Organic Cooled Reactors
BT3 Reactors
BT2 Organic Moderated Reactors
BT3 Reactors

ON-HIGHWAY USE
DA June 7, 1982
RT Fuel Consumption
RT Taxes

On-Line Computers
DA December 1, 1974
USE Computers
AND On-Line Systems

ON-LINE CONTROL SYSTEMS [01]
DA December 1, 1974
BT1 Control Systems
BT1 On-Line Systems
NT1 Computerized Control Systems
RT CAMAC System
RT Computer-Aided Manufacturing
RT Nuclear Instrument Modules
RT Process Computers
RT Reactor Control Systems
RT Real Time Systems
RT Remote Multiplexing Systems

ON-LINE MEASUREMENT SYSTEMS [01]
DA December 1, 1974
BT1 On-Line Systems
RT Digitizers
RT Measuring Instruments
RT Reactor Monitoring Systems

ON-LINE SYSTEMS [01]
DA December 1, 1974
UF+ *On-Line Computers*
NT1 On-Line Control Systems
NT2 Computerized Control Systems
NT1 On-Line Measurement Systems
RT Computer Networks
RT Real Time Systems

ON-SITE INSPECTION
DA May 23, 1988
RT In-Country Detection
RT Verification

ON-SITE POWER GENERATION [01]
DA October 7, 1980
BT1 Power Generation
RT Dispersed Storage and Generation
RT Electric Power
RT Power Plants
DEF Production of power at location of use in lieu of purchase from utility.

ONAGAWA-1 REACTOR [01]
(Onagawa, Miyagi, Japan)
DA December 1, 1974
UF *Tohoku-1 Reactor*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

ONAGAWA-2 REACTOR [01]
(Onagawa, Miyagi, Japan.)
DA December 8, 1989
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

ONCE-THROUGH COOLING SYSTEMS [01]
DA June 12, 1975
BT1 Cooling Systems
BT2 Energy Systems
RT Cooling

ONCOGENES [01]
DA November 19, 1985
BT1 Genes
RT Carcinogenesis
RT Growth Factors
RT GTP-ases
RT Oncogenic Transformations
RT Oncogenic Viruses
DEF A gene whose expression may lead to cancer. The gene may be a normal component of the genome or be derived from oncogenic viruses.

ONCOGENIC TRANSFORMATIONS [01]
DA July 18, 1979
UF *Transformations (Oncogenic)*
BT1 Cell Transformations
RT Carcinogenesis
RT Carcinogens
RT Oncogenes
DEF The chemical alterations induced in a cell by exposure to carcinogens and leading ultimately to the development of a neoplastic condition.

ONCOGENIC VIRUSES [01]
DA August 19, 1975
UF *Epstein-Barr Virus*
UF *Rous Sarcoma Virus*
UF *Tumor Viruses*
BT1 Viruses
BT2 Microorganisms
BT2 Parasites
NT1 Adenovirus
NT1 Leukemia Viruses
NT1 Polyoma Virus
RT Carcinogenesis
RT Oncogenes

ONCOVIN [01]
DA August 4, 1976
BT1 Alkaloids
BT2 Organic Compounds
BT1 Antimitotic Drugs
BT2 Drugs

ONDULATOR RADIATION [01]
DA December 1, 1974
BT1 Bremsstrahlung
BT2 Electromagnetic Radiation
BT3 Radiations

One-Boson-Exchange Model
DA December 1, 1974
USE OBE Model

ONE-DIMENSIONAL CALCULATIONS [01]
DA December 1, 1974
UF *1-Dimensional Calculations*
UF *Calculations (1-Dimensional)*
RT Adjoint Difference Method
RT Mathematics

ONE-GROUP THEORY [01]
DA December 1, 1974
BT1 Neutron Transport Theory
BT2 Transport Theory

ONE-NUCLEON TRANSFER REACTIONS [01]
DA December 1, 1974
BT1 Transfer Reactions
BT2 Direct Reactions
BT3 Nuclear Reactions

ONIKOBE GEOTHERMAL FIELD [01]
DA November 28, 1975
BT1 Geothermal Fields
RT Japan

ONIONS [01]
DA December 1, 1974
BT1 Liliopsida
BT2 Magnoliophyta
BT3 Plants
BT1 Vegetables
BT2 Food
BT2 Plants
NT1 Allium Cepa
RT Bulbs
RT Hylemya Antiqua
RT Sprout Inhibition

Onsager Principle
DA December 1, 1974
USE Onsager Relations

ONSAGER RELATIONS [01]
DA December 1, 1974
UF *Onsager Principle*
UF *Onsager Symmetry Relations*
RT Irreversible Processes
RT Pressure Gradients
RT Temperature Gradients
RT Thermodynamics

Onsager Symmetry Relations
DA December 1, 1974
USE Onsager Relations

ONSHORE SITES [01]
(To be used only in conjunction with offshore sites if the paper discusses both.)
DA December 10, 1979
RT Offshore Sites

ONSLOW BAY [01]
DA June 2, 1977
BT1 Atlantic Ocean
BT2 Seas
BT3 Surface Waters
BT1 Bays
BT2 Coastal Waters
BT3 Surface Waters
RT North Carolina
RT South Atlantic Bight

ONTARIO [01]
DA December 1, 1974
BT1 Canada
BT2 Developed Countries
BT2 North America
NT1 Chalk River
NT1 Deep River
NT1 Elliot Lake
RT Ottawa River
RT St Lawrence River

Ontario PHWR Pickering-1 Reactor
DA December 1, 1974
USE Pickering-1 Reactor

Ontario PHWR Pickering-2 Reactor
DA December 1, 1974
USE Pickering-2 Reactor

Ontario PHWR Pickering-3 Reactor
DA December 1, 1974
USE Pickering-3 Reactor

Ontario PHWR Pickering-4 Reactor
DA December 1, 1974
USE Pickering-4 Reactor

ONTOGENESIS [01]
DA December 1, 1974

UF *Embryonic Development*
RT Animal Growth
RT Cell Differentiation
RT Embryos
RT Fetuses
RT Genotype
RT Growth Factors
RT Metamorphosis
RT Phenotype
RT Zygotes

ONUMA GEOTHERMAL FIELD [01]
DA May 5, 1975
BT1 Geothermal Fields
RT Hachimantai
RT Japan

OOCYTES [01]
DA December 1, 1974
BT1 Germ Cells

OOGENESIS [01]
DA December 1, 1974
BT1 Gametogenesis
RT Oogonia
RT Ova
RT Ovaries
RT Reproduction

OOGONIA [01]
DA December 16, 1975
BT1 Germ Cells
RT Oogenesis

OPACITY [01]
DA December 1, 1974
UF *Absorptivity (Optical)*
UF *Optical Density*
UF *Transparency*
BT1 Optical Properties
BT2 Physical Properties
RT Attenuation
RT Light Transmission
RT Schlieren Method
RT Transmission
RT Visibility
RT Visible Radiation

OPALS
DA March 4, 1980
BT1 Silica
BT2 Oxide Minerals
BT3 Minerals
BT2 Silicon Oxides
BT3 Oxides
BT4 Chalcogenides
BT4 Oxygen Compounds
BT3 Silicon Compounds
DEF An amorphous form of silica containing a varying portion of water and occurring in nearly all colors.

OPE MODEL [01]
DA December 1, 1974
UF *Pion-Exchange Model*
BT1 OBE Model
BT2 Boson-Exchange Models
BT3 Peripheral Models
BT4 Particle Models
BT5 Mathematical Models
NT1 Electric Born Model
RT OPE Potential

OPE POTENTIAL [01]
DA December 1, 1974
BT1 Potentials
NT1 Gammel-Thaler Potential
RT Nucleon-Nucleon Potential
RT Nucleons
RT OPE Model

OPEC [01]
(Organization of Petroleum Exporting Countries)
DA August 19, 1975
BT1 International Organizations
BT1 Oil-Exporting Countries
RT Algeria
RT Cartels
RT Ecuador
RT Gabon
RT Indonesia
RT Iran
RT Iraq
RT Kuwait
RT Libya
RT Middle East
RT Nigeria
RT OAPEC
RT Petroleum
RT Qatar
RT Saudi Arabia
RT United Arab Emirates
RT Venezuela

OPEN CONFIGURATIONS [01]
DA December 1, 1974
UF *Magnetic Traps (Open)*
BT1 Magnetic Field Configurations
NT1 Baseball Seam Configurations
NT1 Cusped Geometries
NT1 Magnetic Mirror Configurations
NT2 TLM Configurations
NT1 Minimum-B Configurations
RT Open Plasma Devices

OPEN-CYCLE COOLING SYSTEMS [01]
DA February 20, 1975
UF+ *Wet-Type Cooling Towers*
BT1 Cooling Systems
BT2 Energy Systems
RT Coolant Loops
RT Cooling Towers
RT Open-Cycle Systems

OPEN-CYCLE MHD GENERATORS [01]
DA December 1, 1974
BT1 MHD Generators
BT2 Direct Energy Converters
RT Closed-Cycle MHD Generators

OPEN-CYCLE SYSTEMS
DA December 16, 1975
RT Lift Cycles
RT Open-Cycle Cooling Systems

Open-Flow Collectors
DA September 11, 1978
USE Trickle-Type Collectors

OPEN-LOOP CONTROL [01]
DA November 1, 1976
BT1 Control

OPEN PLASMA DEVICES [01]
DA December 1, 1974
BT1 Thermonuclear Devices
NT1 Baseball Devices
* NT1 Linear Pinch Devices
NT1 Magnetic Mirrors
NT2 2X Devices
NT2 ALICE
NT2 ASPA Device
NT2 Beta II Devices
NT2 BSG Devices
NT2 Bumpy Tori
NT3 Elmo Bumpy Torus
NT2 Burnout Devices
NT2 CIRCE Devices
NT3 CIRCE-25Kw Device
NT2 DCX Devices
NT2 DECA Devices
NT2 Elmax Devices
NT2 Elmo Devices
NT3 Elmo Bumpy Square
NT3 Elmo Bumpy Torus
NT2 IMP Device
NT2 Interem Device
NT2 IXION
NT2 MFTF Devices
NT2 OGRA
NT2 Phoenix Devices
NT2 Pleiade Device
NT2 PR Devices
NT3 PR-6 Device
NT3 PR-7 Device
NT3 PR-8 Device
NT2 Reversed-Field Mirrors
NT2 Tandem Mirrors
NT3 Gamma 10 Devices
NT3 Phaedrus Mirror Devices
NT3 Tara Devices
NT3 TMX Devices
NT2 VGL Devices
NT1 Plasma Focus Devices
NT1 Q Devices
NT2 Helios Devices
NT2 QP Devices
RT Open Configurations

OPENINGS [01]
DA December 1, 1974
NT1 Apertures
NT1 Doors
NT2 Storm Doors
NT1 Orifices
NT1 Stomata
NT1 Windows
NT2 Storm Windows
RT Boreholes
RT Caves
RT Cavities
RT Craters
RT Ducts
RT Mine Shafts
RT Vents

OPERATING COST [01]
DA February 23, 1979
BT1 Cost
RT Capitalized Cost
RT Economic Analysis

OPERATING LICENSES [01]
DA March 8, 1978
BT1 Licenses
RT Licensing Procedures
RT Licensing Regulations

OPERATION [01]
DA December 1, 1974
NT1 Reactor Operation
NT2 Reactor Start-Up
RT Maintenance
RT Motor Vehicle Operators
RT Start-Up

Operation (Reactor)
DA December 1, 1974
USE Reactor Operation

OPERATIONAL AMPLIFIERS [01]
DA December 1, 1974
BT1 Amplifiers
BT2 Electronic Equipment
BT3 Equipment

Operations Offices
DA March 24, 1983
USE US DOE Field Offices

OPERATIONS RESEARCH
DA September 10, 1982
RT Decision Making
RT Decision Tree Analysis
RT Management
RT Mathematical Models
RT Optimization
RT Planning
RT Simulation

OPERATOR PRODUCT EXPANSION [01]
DA December 5, 1988
BT1 Series Expansion
RT Gauge Invariance
RT Quantum Operators

Operators(Quantum Field Theory)
DA December 1, 1974
USE Quantum Operators

Operators(Quantum Mechanical)
DA December 1, 1974
USE Quantum Operators

Operators (Mathematical)
DA December 1, 1974
USE Mathematical Operators

OPHTHALMOLOGY [01]
DA December 1, 1974
BT1 Medicine

RT Eyes
RT Sense Organs Diseases

Opiates
DA April 20, 1981
USE Narcotics

OPIUM
DA March 29, 1979
BT1 Analgesics
BT2 Central Nervous System Depressants
BT3 Drugs
BT1 Narcotics
BT2 Central Nervous System Depressants
BT3 Drugs
NT1 Morphine
NT2 Codeine
NT2 Heroin
NT2 Thebaine
RT Papaver Somniferum

OPIX PROCESS
DA March 29, 1980
BT1 Radioactive Waste Processing
BT2 Radioactive Waste Management
BT3 Waste Management
BT4 Management
BT2 Waste Processing
BT3 Processing
BT3 Waste Management
BT4 Management
RT Ion Exchange
RT Oxalic Acid
RT Precipitation
DEF Separation of trivalent actinides and rare earths from other fission products in HLW by oxalate precipitation followed by ion exchange.

Opossum
DA December 1, 1974
USE Marsupials

OPPENHEIMER-PHILLIPS PROCESS [01]
DA December 1, 1974
RT Direct Reactions
RT Nuclear Reactions
RT Stripping

OPTICAL ACTIVITY [01]
DA February 19, 1976
RT Optical Properties
RT Stereochemistry
DEF Ability to rotate the plane of vibration of polarized light to the right or left.

Optical Antipodes
DA February 23, 1976
USE Enantiomorphs

OPTICAL COMPUTERS
DA February 21, 1986
BT1 Computers
RT Holography
RT Lasers

Optical Density
DA December 1, 1974
USE Opacity

OPTICAL DEPTH CURVE [01]
DA August 24, 1976
BT1 Diagrams
NT1 Spectroscopic Curve of Growth
RT Absorption Spectra
RT Cosmic Gases
RT Line Broadening
RT Optical Properties
RT Oscillator Strengths

OPTICAL DISPERSION [01]
DA December 1, 1974
RT Diffraction
RT Optical Properties
RT Optics
RT Refraction
RT Refractive Index

OPTICAL EQUIPMENT
DA April 22, 1975
BT1 Equipment
NT1 Optical Scanners
RT Antireflection Coatings
RT Fiber Optics
RT Optical Fibers
RT Parametric Oscillators

OPTICAL FIBERS [01]
DA March 10, 1982
UF *Light Guides*
BT1 Fibers
RT Fiber Optics
RT Optical Equipment
DEF A long, thin thread of transparent substance used to transmit light.

OPTICAL FILTERS [01]
DA December 1, 1974
BT1 Filters

OPTICAL MICROSCOPES [01]
DA December 1, 1974
BT1 Microscopes

OPTICAL MICROSCOPY [01]
DA December 1, 1974
BT1 Microscopy

OPTICAL MODELS [01]
DA December 1, 1974
UF *Feshbach-Porter-Weisskopf Model*
UF *Models (Optical)*
RT Atomic Models
RT Bjorklund-Fernbach Model
RT Cloudy Crystal Ball Model
RT FSC Approximation
RT Nuclear Models
RT Nuclear Potential
RT Particle Models
RT Perey-Buck Model
RT Woods-Saxon Potential

OPTICAL MODES [01]
DA December 1, 1974
UF *Modes (Optical)*
BT1 Oscillation Modes
RT Optics

OPTICAL PROPERTIES [01]
DA December 1, 1974
BT1 Physical Properties
NT1 Absorptivity
NT1 Brightness
NT1 Color
NT1 Emissivity
NT1 Luminosity
NT1 Opacity
NT1 Reflectivity
NT1 Refractive Index
NT1 Refractivity
NT1 Spectral Reflectance
RT Birefringence
RT Dichroism
RT Diffraction
RT Electro-Optical Effects
RT Ellipsometry
RT Fiber Optics
RT Geometrical Aberrations
RT Light Scattering
RT Light Transmission
RT Magneto-Optical Effects
RT Optical Activity
RT Optical Depth Curve
RT Optical Dispersion
RT Optical Systems
RT Refraction
RT Spectroscopic Curve of Growth
RT Visibility

OPTICAL PUMPING [01]
DA December 1, 1974
BT1 Pumping
RT Double Resonance Methods
RT Excitation
RT Lasers
RT Nuclear Pumping
RT Stimulated Emission

OPTICAL PYROMETERS [01]
DA December 1, 1974
BT1 Pyrometers
BT2 Measuring Instruments
RT Temperature Measurement

OPTICAL RADAR [01]
DA January 30, 1979
UF *Lidar*
BT1 Radar
BT2 Range Finders
BT3 Measuring Instruments
RT Optical Systems
RT Remote Sensing

OPTICAL REFLECTION
DA January 24, 1975
BT1 Reflection
RT Optics

OPTICAL SCANNERS
DA April 12, 1977
UF *Scanners (optical)*
BT1 Electronic Equipment
BT2 Equipment
BT1 Optical Equipment
BT2 Equipment
RT Data Processing
RT Digitizers
DEF A light source and phototube combined as a single unit for scanning moving strips of paper or other materials in photoelectric side-register control systems.

OPTICAL SPECTROMETERS [01]
DA December 1, 1974
BT1 Spectrometers
BT2 Measuring Instruments

OPTICAL SYSTEMS [01]
DA December 1, 1974
NT1 Periscopes
RT Diffraction Gratings
RT Gratings
RT Lenses
RT Mirrors
RT Optical Properties
RT Optical Radar
RT Optics
RT Remote Viewing Equipment
RT Shutters
RT Solar Reflectors
RT Telescopes

OPTICAL THEOREM [01]
DA December 1, 1974
RT Small Angle Scattering

OPTICALLY THICK PLASMA [01]
DA December 1, 1974
BT1 Plasma

OPTICALLY THIN PLASMA [01]
DA December 1, 1974
BT1 Plasma

OPTICS [01]
DA April 19, 1976
NT1 Nonlinear Optics
RT Beam Optics
RT Illuminance
RT Incidence Angle
RT Optical Dispersion
RT Optical Modes
RT Optical Reflection
RT Optical Systems
RT Quantum Electronics
RT Visible Radiation

OPTIMAL CONTROL [01]
DA November 1, 1976
BT1 Control

OPTIMIZATION [01]
DA December 1, 1974
RT ALARA
RT Control

RT Control Systems
RT Control Theory
RT Econometrics
RT Mitigation
RT Operations Research
RT Parametric Analysis
RT Planning
RT Sizing
RT Variational Methods

Optoacoustic Cells
DA May 1, 1978
USE Photoacoustic Spectrometers

OR-CEF REACTOR [01]
DA December 1, 1974
UF *CEF-OR Reactor*
UF *Critical Experiments Facility Oak Ridge*
UF *Oak Ridge Critical Experiments Facility*
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

ORAL ADMINISTRATION [01]
DA December 1, 1974
UF *Gastric Administration*
RT Ingestion
RT Intestinal Absorption
RT Radionuclide Administration

ORAL CAVITY [01]
DA December 1, 1974
UF *Lips*
UF *Mouth*
BT1 Digestive System
NT1 Teeth
NT1 Tongue
RT Face
RT Head
RT Ingestion
RT Pharynx
RT Salivary Glands

ORANGE EVENT [01]
DA March 12, 1976
BT1 Atmospheric Explosions
BT2 Explosions
BT1 Hardtack Project
BT2 Nuclear Explosions
BT3 Explosions

Orange-Type Spectrometers
DA December 1, 1974
USE Flat Magnetic Spectrometers

ORANGES [01]
DA December 1, 1974
BT1 Fruits
BT2 Food
RT Citrus

ORAU [01]
DA December 1, 1974
UF *Oak Ridge Associated Universities*
BT1 US Organizations
BT2 National Organizations

ORBIT STABILITY [01]
DA December 1, 1974
BT1 Stability
RT Beam Dynamics

ORBITAL ANGULAR MOMENTUM [01]
DA December 1, 1974
BT1 Angular Momentum
RT Fractional-Parentage Coefficients
RT J-J Coupling
RT L-S Coupling
RT Spin

ORBITAL MOMENTUM OPERATORS [01]
DA December 1, 1974
BT1 Angular Momentum Operators
BT2 Quantum Operators
BT3 Mathematical Operators

ORBITAL SOLAR POWER PLANTS [01]
DA January 24, 1975
UF *Satellite Power System*
UF *Satellite Solar Power Stations*
BT1 Solar Power Plants
BT2 Power Plants
RT Orbital Solar Reflectors
RT Satellites

ORBITAL SOLAR REFLECTORS
(For providing concentrated solar radiation to ground-based solar power plants.)
DA February 11, 1980
BT1 Solar Reflectors
BT2 Solar Concentrators
BT3 Solar Equipment
BT4 Equipment
RT Orbital Solar Power Plants
RT Solar Power Plants

ORBITING SOLAR OBSERVATORIES [01]
DA December 1, 1974
BT1 Satellites
RT Space Flight
RT Sun

ORBITS [01]
(For electron orbits in atoms use ELECTRONIC STRUCTURE.)
DA December 1, 1974
RT Beam Dynamics
RT Precession
RT Trajectories

ORC Flash Pyrolysis Process
DA June 2, 1977
USE Occidental Flash Pyrolysis Process

ORDER-DISORDER MODEL [01]
DA November 10, 1977
BT1 Nuclear Models
BT2 Mathematical Models
RT Fission

ORDER-DISORDER TRANSFORMATIONS [01]
DA December 1, 1974
BT1 Phase Transformations
RT Crystal-Phase Transformations
RT Ising Model
RT Superlattices

ORDER PARAMETERS [01]
DA December 1, 1974
RT Crystal Structure
RT Wilson Loop

ORDNANCE
DA August 19, 1975
UF *Munitions*
BT1 Military Equipment
BT2 Equipment
RT Ammunition
RT Shaped Charges

ORDOVICIAN PERIOD [01]
DA October 19, 1977
BT1 Paleozoic Era
BT2 Geologic Ages

ORE COMPOSITION [01]
DA December 1, 1974
RT Abundance
RT Availability
RT Mining
RT Natural Occurrence
RT Ores

ORE CONCENTRATES [01]
DA December 1, 1974
UF *Concentrates*
UF *Enriched Materials (Ores)*
NT1 Uranium Concentrates
RT Ore Enrichment

ORE ENRICHMENT [01]
DA December 1, 1974
UF *Enrichment (Ores)*
BT1 Enrichment
BT1 Ore Processing
BT2 Processing
BT1 Separation Processes
RT Flotation
RT Leaching
RT Ore Concentrates
RT Slurex Process

ORE PROCESSING [01]
DA December 1, 1974
UF *Processing (Ores)*
BT1 Processing
NT1 Ore Enrichment
RT Anaconda Uranium Mill
RT Crushing
RT Flotation
RT Highland Uranium Mill
RT Leaching
RT Mill Tailings
RT Ores
RT Process Control
RT Radiometric Sorting
RT Refining
RT Shirley Basin Uranium Mill
RT Slurex Process
RT Slurries
RT Tailings
RT Thiobacillus Oxidans
RT Uranium Concentrates

Ore Reserves
DA June 30, 1975
USE Reserves

OREGON [01]
DA December 1, 1974
BT1 USA
BT2 Developed Countries
BT2 North America
NT1 Mt Hood
RT Columbia River Basin
RT Klamath Falls
RT Snake River Plain
RT US West Coast

Oregon State TRIGA Reactor
DA December 1, 1974
USE OSTR Reactor

ORELA [01]
(Oak Ridge Electron Linear Accelerator.)
DA December 1, 1974
BT1 Linear Accelerators
BT2 Accelerators

ORES [01]
DA December 1, 1974
NT1 Aluminium Ores
NT2 Bauxite
NT1 Bismuth Ores
NT1 Chromium Ores
NT1 Cobalt Ores
NT1 Copper Ores
NT1 Gold Ores
NT1 Iron Ores
NT2 Hematite
NT2 Limonite
NT2 Magnetite
NT2 Siderite
NT1 Lead Ores
NT1 Manganese Ores
NT1 Molybdenum Ores
NT1 Nickel Ores
NT1 Niobium Ores
NT1 Polymetallic Ores
NT1 Rhenium Ores
NT1 Selenium Ores
NT1 Silver Ores
NT1 Sulfur Ores
NT1 Tantalum Ores
NT1 Tellurium Ores
NT1 Thorium Ores
NT1 Tin Ores
NT1 Titanium Ores
NT1 Tungsten Ores
NT1 Uranium Ores
NT2 Caldasite
NT2 Uranium Concentrates
NT1 Vanadium Ores
NT1 Yttrium Ores
NT1 Zinc Ores

NT1 Zirconium Ores
RT Environmental Materials
RT Geologic Deposits
RT Minerals
RT Ore Composition
RT Ore Processing

Organ Cultures
DA December 1, 1974
USE Tissue Cultures

Organelles
DA October 10, 1985
USE Cell Constituents

ORGANIC ACIDS [01]
(Excluding NUCLEIC ACIDS and NUCLEOTIDES.)
DA December 1, 1974
UF *Acids (Organic)*
BT1 Organic Compounds
NT1 Arsonic Acids
NT2 Arsanilic Acid
NT2 Arsenazo
NT2 Beryllon
NT1 Boronic Acids
NT1 Cacodylic Acid
* NT1 Carboxylic Acids
NT1 Coal Tar Acids
NT1 Fulvic Acids
NT1 Humic Acids
NT1 MDPA
NT1 Phosphinic Acids
NT1 Phosphonic Acids
NT1 Phytic Acid
NT1 Shale Tar Acids
* NT1 Sulfonic Acids
NT1 Thioic Acids
RT Acidification
RT Anhydrides
RT Chloranilic Acid
RT Hydrazides
RT Hydroxamic Acids
RT Nucleotides
RT PH Value
RT Picric Acid
RT Rhodizonic Acid
RT Stalic Acid
RT Soaps
RT Uric Acid

ORGANIC ARSENIC COMPOUNDS [01]
DA January 21, 1975
BT1 Organic Compounds
NT1 Arsonic Acids
NT2 Arsanilic Acid
NT2 Arsenazo
NT2 Beryllon
RT Arsenic Compounds

ORGANIC BORON COMPOUNDS [01]
DA December 1, 1974
BT1 Organic Compounds
NT1 Carboranes
RT Boron Compounds

ORGANIC BROMINE COMPOUNDS [01]
DA December 1, 1974
BT1 Organic Halogen Compounds
BT2 Organic Compounds
NT1 Bromamines
NT1 Brominated Alicyclic Hydrocarbons
NT1 Brominated Aliphatic Hydrocarbons
NT2 Bromoform
NT2 Methyl Bromide
NT1 Brominated Aromatic Hydrocarbons
NT1 Bromosulfophthalein
NT1 Bromouracils
NT2 BUDR
NT1 Eosin
RT Bromine Compounds

ORGANIC CHLORINE COMPOUNDS [01]
DA December 1, 1974
BT1 Organic Halogen Compounds
BT2 Organic Compounds
NT1 Chloral
NT1 Chlorambucil
NT1 Chloramines
NT1 Chloranil
NT1 Chlorinated Alicyclic Hydrocarbons
NT2 Lindane
* NT1 Chlorinated Aliphatic Hydrocarbons
NT1 Chlorinated Aromatic Hydrocarbons
NT2 Aldrin
NT2 Polychlorinated Biphenyls
NT1 Chlorofluorocarbons
NT1 Chlorouracils
NT1 Chlorpromazine
NT1 DDT
NT1 Iodochloroquine
NT1 KEL-F
NT1 Methylene Chloride
NT1 Neoprene
NT1 Nitrogen Mustard
NT1 Phosgene
NT1 Rose Bengal
NT1 Thiophosgene
RT Chlorine Compounds
RT Kepone

ORGANIC COMPOUNDS [01]
DA December 1, 1974
UF *Compounds (Organic)*
UF+ *VOC*
SF *Chemicals*
* NT1 Aldehydes
* NT1 Alkaloids
NT1 Amines
NT2 Acridine Orange
NT2 Adenines
NT3 Kinetin
NT2 AET
NT2 Amidol
NT2 Aminopterin
NT2 Amphetamines
NT2 Aniline
NT2 Arsanilic Acid
NT2 Benzedrine
NT2 Benzidine
NT2 BPH
NT2 Bromamines
NT2 Cadaverine
NT2 Catecholamines
NT2 Cephalins
NT2 Chlorambucil
NT2 Chloramines
NT2 Chlorpromazine
NT2 Congo Red
NT2 Cupferron
NT2 Cystamine
NT2 Cystaphos
NT2 Cytosine
NT2 Cytriphos
NT2 Deferoxamine
NT2 Dopamine
NT2 Ephedrine
NT2 Flavines
NT3 Acriflavine
NT3 Proflavine
NT2 Gammaphos
NT2 Guanine
NT2 Hexosamines
NT3 Glucosamine
NT2 Histamine
NT2 Hydroxamic Acids
NT3 Benzohydroxamic Acid
NT2 Hydroxylamine
NT3 Neocupferron
NT2 Imipramine
NT2 Luminol
NT2 MEA
NT2 Melamine
NT2 Methyl Orange
NT2 Methyl Violet
NT2 Methylamine
NT2 Methylene Blue
NT2 Morpholines
NT2 Mucopolysaccharides
NT3 Chitin
NT3 Chondroitin
NT3 Heparin
NT3 Hyaluronic Acid
NT2 Neutral Red
NT2 Nitrogen Mustard
NT2 Nitrosamines
NT2 Oximes
NT3 Benzoinoxime
NT3 Dimethylglyoxime
NT3 Furildioxime
NT2 PAPP
NT2 Piperidines
NT3 Dipyridamole
NT3 Pethidine
NT3 Triacetoneamine-N-Oxyl
NT2 Polycyclic Aromatic Amines
NT2 Primene
NT2 Putrescine
NT2 Pyrrolidines
NT3 Hydroxyproline
NT3 Nicotine
NT3 Proline
NT2 Quaternary Compounds
NT3 Acetylcholine
NT3 Betaine
NT3 Choline
NT3 Pyridinium Compounds
NT3 TEAB
NT2 Rhodamines
NT2 Spermidine
NT2 Spermine
NT2 Sulfadiazine
NT2 Sulfanilic Acid
NT2 Taurine
NT2 TDA
NT2 TETA
NT2 Tetryl
NT2 Thiamine
NT2 Thionine
NT2 TNA
NT2 TOA
NT2 Toluidines
NT2 Tridodecylamine
NT2 Trypan Blue
NT2 Tryptamines
NT3 Melatonin
NT3 Serotonin
NT4 Bufotenine
NT2 Tyramine
NT2 Urotropin
NT1 Aromatics
NT2 Alkylated Aromatics
NT3 Mesitylene
NT3 Methylnaphthalenes
NT3 Styrene
NT3 Toluene
NT3 Xylenes
NT4 Xylene-Para
NT2 Aniline
NT2 Azaarenes
NT3 Acridines
NT4 Acridine Orange
NT4 Acridones
NT4 Flavines
NT5 Acriflavine
NT5 Proflavine
NT3 Carbazoles
NT3 Indoles
NT4 Indigo
NT4 Indocyanine Green
NT4 Lysergic Acid
NT4 Reserpine
NT4 Strychnine
NT4 Tryptamines
NT5 Melatonin
NT5 Serotonin
NT6 Bufotenine
NT4 Tryptophan
NT4 Vinblastine
NT3 Phenanthrolines
NT4 Ferroin
NT4 Phenanthroline-Ortho
NT3 Pteridines
NT4 Aminopterin
NT4 Folic Acid
NT3 Purines
NT4 Adenines
NT5 Kinetin
NT4 Guanine
NT4 Guanosine
NT4 Hypoxanthine
NT4 Inosine
NT4 Mercaptopurine
NT4 Xanthines
NT5 Caffeine
NT5 Theobromine
NT5 Theophylline
NT5 Uric Acid
NT3 Quinolines
NT4 Ferron
NT4 Kynurenic Acid

NT4 Oxine
NT4 Quinaldine
NT2 Benzene
NT2 Benzidine
NT2 Benzyl Alcohol
NT2 Bibenzyl
NT2 Biphenyl
NT2 Condensed Aromatics
NT3 3-Methylcholanthrene
NT3 Acenaphthene
NT3 Anthracene
NT3 Benzanthracene
NT3 Benzopyrene
NT3 Cholanthrene
NT3 Chrysene
NT3 Dimethylbenzanthracene
NT3 Fluorene
NT3 Indene
NT3 Indocyanine Green
NT3 Methylnaphthalenes
NT3 Naphthalene
NT3 Pentacene
NT3 Perylene
NT3 Phenanthrene
NT3 Pyrene
NT3 Tetracene
NT3 Triphenylene
NT3 Violanthrone
NT2 Cumene
NT2 Cymene
NT2 DDT
NT2 Divinylbenzene
NT2 Durene
NT2 Halogenated Aromatic Hydrocarbons
NT3 Brominated Aromatic Hydrocarbons
NT3 Chlorinated Aromatic Hydrocarbons
NT4 Aldrin
NT4 Polychlorinated Biphenyls
NT3 Fluorinated Aromatic Hydrocarbons
NT3 Iodinated Aromatic Hydrocarbons
NT2 Indan
NT2 Methyl Tyrosine
NT2 Oligophenylenes
NT2 Pethidine
NT2 Phenols
NT3 Amidol
NT3 BAMBP
NT3 Cresols
NT3 Dinitrophenol
NT3 Eriochrome Dyes
NT3 Naphthols
NT4 1-Nitroso 2-Naphthol
NT4 Acid Chrome Dyes
NT4 Beryllon
NT4 Nitroso-R Salt
NT4 PAN
NT4 Thorin
NT4 Trypan Blue
NT3 Nitrophenol
NT3 Phenol
NT3 Phenolphthalein
NT3 Picric Acid
NT3 Polyphenols
NT4 Arsenazo
NT4 Aurin
NT4 Bromosulfophthalein
NT4 Catecholamines
NT4 Curcumin
NT4 Dopamine
NT4 Fluorescein
NT5 Erythrosine
NT4 Hematoxylin
NT4 Morin
NT4 Pyridylazoresorcinol
NT4 Pyrocatechol
NT4 Pyrogallol
NT4 Quercetin
NT4 Resorcinol
NT4 Stilbestrol
NT4 Tannic Acid
NT4 Tiron
NT3 POP
NT3 Thymol
NT3 Tyramine
NT3 Xylenols
NT2 Polycyclic Aromatic Hydrocarbons
NT3 3-Methylcholanthrene
NT2 Polyphenyls
NT3 Santowax
NT3 Terphenyls
NT4 Terphenyl-Meta
NT4 Terphenyl-Ortho
NT4 Terphenyl-Para
NT2 Quaterphenyls
NT2 Quinones
NT3 Anthraquinones
NT4 Alizarin
NT4 Carminic Acid
NT4 Quinizarin
NT3 Benzoquinones
NT4 Chloranil
NT4 Chloranilic Acid
NT4 Plastoquinone
NT4 Quinhydrone
NT4 Ubiquinone
NT3 Rhodizonic Acid
NT3 Vitamin K
NT2 Stilbene
NT2 Tetralin
NT2 Tolan
* NT1 Carbohydrates
* NT1 Carbonic Acid Derivatives
NT1 Coal Tar Bases
NT1 Esters
NT2 Acetylcholine
NT2 Carbonic Acid Esters
NT2 Carboxylic Acid Esters
NT3 Acetic Acid Esters
NT4 Isopentyl Acetate
NT4 Methyl Acetate
NT3 Acetoacetic Acid Esters
NT3 Acrylic Acid Esters
NT3 Bromosulfophthalein
NT3 Carbamic Acid Esters
NT3 Citric Acid Esters
NT3 Glucoheptonate
NT3 Malathion
NT3 Methacrylic Acid Esters
NT4 Methyl Methacrylate
NT3 Oxalic Acid Esters
NT3 Phenolphthalein
NT3 Retinoic Acid
NT3 Tartaric Acid Esters
NT2 Cellulose Esters
NT3 Nitrocellulose
NT2 Cystaphos
NT2 Isocyanic Acid Esters
NT2 Lactones
NT3 Coumarin
NT3 Gibberellic Acid
NT2 Lanolin
NT2 Nitric Acid Esters
NT3 Nitrocellulose
NT3 Nitroglycerin
NT3 Peroxyacetyl Nitrate
NT3 PETN
NT2 Nitrous Acid Esters
NT2 Phorbol Esters
NT2 Phosphinic Acid Esters
NT2 Phospholipids
NT3 Cardiolipin
NT3 Cephalins
NT3 Lecithins
NT3 Sphingomyelins
NT2 Phosphonic Acid Esters
NT3 DAMPA
NT3 DHDECMP
NT2 Phosphoric Acid Esters
NT3 Butyl Phosphates
NT4 DBP
NT4 MBP
NT4 TBP
NT3 HDEHP
NT3 MDPA
NT3 Phytic Acid
NT3 T2EHP
NT3 TCP
NT2 Phthalic Acid Esters
NT2 Polyacrylates
NT3 Lucite
NT3 Perspex
NT3 Plexiglas
NT3 PMMA
NT2 Polyesters
NT3 Dacron
NT3 Homalite
NT3 Laminac
NT3 Mylar
NT2 Sulfonic Acid Esters
NT3 ABS
NT3 EMS
NT3 Methyl Methanesulfonate
NT3 Petroleum Sulfonates
NT2 Sulfuric Acid Esters
NT2 Thiophosphoric Acid Esters
NT3 Gammaphos
NT3 Parathion
NT2 Triglycerides
NT3 Butter Fat
NT3 Corn Oil
NT3 Croton Oil
NT3 Linseed Oil
NT3 Olive Oil
NT3 Peanut Oil
NT3 Soybean Oil
NT3 Triolein
* NT1 Heterocyclic Compounds
NT1 Hydroaromatics
NT2 Tetralin
* NT1 Hydrocarbons
* NT1 Hydroxy Compounds
* NT1 Ketones
NT1 Lipids
NT2 Glycolipids
NT3 Cerebrosides
NT3 Gangliosides
NT2 Lanolin
NT2 Lipopolysaccharides
NT2 Lipoproteins
NT3 Apolipoproteins
NT2 Phospholipids
NT3 Cardiolipin
NT3 Cephalins
NT3 Lecithins
NT3 Sphingomyelins
NT2 Triglycerides
NT3 Butter Fat
NT3 Corn Oil
NT3 Croton Oil
NT3 Linseed Oil
NT3 Olive Oil
NT3 Peanut Oil
NT3 Soybean Oil
NT3 Triolein
* NT1 Nucleic Acids
* NT1 Nucleotides
* NT1 Organic Acids
NT1 Organic Arsenic Compounds
NT2 Arsonic Acids
NT3 Arsanilic Acid
NT3 Arsenazo
NT3 Beryllon
NT1 Organic Boron Compounds
NT2 Carboranes
* NT1 Organic Halogen Compounds
NT1 Organic Mercury Compounds
NT2 Methylmercury
* NT1 Organic Nitrogen Compounds
* NT1 Organic Oxygen Compounds
* NT1 Organic Phosphorus Compounds
* NT1 Organic Polymers
* NT1 Organic Silicon Compounds
* NT1 Organic Sulfur Compounds
NT1 Organometallic Compounds
NT2 Grignard Reagents
NT2 TEL
* NT1 Other Organic Compounds
* NT1 Proteins
NT1 Shale Tar Bases
* NT1 Steroids
NT1 Terpenes
NT2 Camphene
NT2 Camphor
NT2 Carotenoids
NT2 Geraniol
NT2 Squalene
NT2 Turpentine
RT Chemical Feedstocks
RT Clathrates
RT Organic Semiconductors
RT Polar Compounds
RT Renewable Resources
RT Translocation
RT Volatile Matter

ORGANIC COOLANTS [01]
DA December 1, 1974
BT1 Coolants
RT Aromatics
RT Organic Cooled Reactors
RT Polyphenyls

Organic Cooled and Moderated Reactor
DA December 1, 1974
USE OMR Type Reactors

Organic Cooled Heavy Water Moderated Chalk River Reactor
DA December 1, 1974
USE ZED-2 Reactor

ORGANIC COOLED REACTORS [01]
DA December 1, 1974
BT1 Reactors
NT1 ECO Reactor
NT1 EOCR Reactor
NT1 ESSOR Reactor
NT1 LWOR Type Reactors
NT1 OMR Type Reactors
NT2 ARBUS Reactor
NT2 OMRE Reactor
NT2 PNPF Reactor
NT1 WR-1 Reactor
NT1 ZED 2 Reactor
RT Organic Coolants

ORGANIC CRYSTAL PHOSPHORS [01]
DA December 1, 1974
BT1 Phosphors
RT Anthracene
RT Solid Scintillation Detectors
RT Stilbene

ORGANIC FLUORINE COMPOUNDS [01]
DA December 1, 1974
BT1 Organic Halogen Compounds
BT2 Organic Compounds
NT1 Chlorofluorocarbons
NT1 Fluorinated Alicyclic Hydrocarbons
• NT1 Fluorinated Aliphatic Hydrocarbons
NT1 Fluorinated Aromatic Hydrocarbons
NT1 Fluorouracils
NT2 FUDR
NT1 KEL F
NT1 TTA
RT Fluorine Compounds

ORGANIC HALOGEN COMPOUNDS [01]
DA December 1, 1974
BT1 Organic Compounds
NT1 Acid Halides
• NT1 Halogenated Alicyclic Hydrocarbons
• NT1 Halogenated Aliphatic Hydrocarbons
• NT1 Halogenated Aromatic Hydrocarbons
• NT1 Organic Bromine Compounds
• NT1 Organic Chlorine Compounds
• NT1 Organic Fluorine Compounds
• NT1 Organic Iodine Compounds
RT Halogen Compounds

ORGANIC INSULATORS [01]
DA December 1, 1974
RT Dielectric Materials
RT Electrical Insulation
RT Electrical Insulators

ORGANIC IODINE COMPOUNDS [01]
DA December 1, 1974
UF+ *Risa*
BT1 Organic Halogen Compounds
BT2 Organic Compounds
NT1 Diiodotyrosine
NT1 Diodrast
NT1 Erythrosine
NT1 Ferron
NT1 Hypaque
NT1 Iodinated Alicyclic Hydrocarbons
NT1 Iodinated Aliphatic Hydrocarbons
NT2 Iodoform
NT2 Methyl Iodide
NT1 Iodinated Aromatic Hydrocarbons
NT1 Iodochloroquine
NT1 Iodouracils
NT2 Iododeoxyuridine
NT1 Ioglycamic Acid
NT1 Lipiodol
NT1 PBI
NT1 Rose Bengal
NT1 Thyroxine
RT Iodine Compounds

ORGANIC ION EXCHANGERS [01]
DA December 1, 1974
UF *Amberlite*
UF *Dowex*
UF *Permutit (Organic)*
BT1 Ion Exchange Materials
BT2 Materials
NT1 Polystyrene-DVB

ORGANIC MATTER [01]
(Only for unspecified materials containing chain and ring compounds of carbon; if specific organic compounds are studied, use descriptors for the compounds.)
DA October 27, 1980
BT1 Matter
NT1 Kerogen
NT1 Peat
RT Acid Neutralizing Capacity
RT Carbonaceous Materials
RT Geochemistry

ORGANIC MERCURY COMPOUNDS [01]
DA December 1, 1974
BT1 Organic Compounds
NT1 Methylmercury
RT Mercury Compounds

Organic Moderated Reactor Experiment
DA December 1, 1974
USE OMRE Reactor

Organic Moderated Reactor Piqua
DA December 1, 1974
USE PNPF Reactor

ORGANIC MODERATED REACTORS [01]
DA December 1, 1974
BT1 Reactors
NT1 EOCR Reactor
NT1 OMR Type Reactors
NT2 ARBUS Reactor
NT2 OMRE Reactor
NT2 PNPF Reactor
NT1 ROSPO Reactor
NT1 SUR-100 Series Reactor
NT1 VIPER Reactor
NT1 Zerlina Reactor
RT Organic Moderators

ORGANIC MODERATORS [01]
DA December 1, 1974
BT1 Moderators
RT Aromatics
RT Organic Moderated Reactors
RT Polyphenyls

ORGANIC NITROGEN COMPOUNDS [01]
(Excluding PROTEINS, AMINES, ALKALOIDS, AMINO ACIDS, NUCLEIC ACIDS, and NUCLEOTIDES.)
DA December 1, 1974
BT1 Organic Compounds
NT1 Amides
NT2 Acetamide
NT3 Ioglycamic Acid
NT2 Acrylamide
NT2 Asparagine
NT2 Formamide
NT2 Glutamine
NT2 Hydroxyurea
NT2 Hypaque
NT2 Lactams
NT3 Pyrrolidones
NT4 PVP
NT2 Metrizamide
NT2 Nicotinamide
NT2 Phenatine
NT2 Sulfenamides
NT2 Sulfonamides
NT3 Sulfadiazine
NT2 Thionalide
NT2 Urea
NT1 Amidines
NT2 Stilbamidine
NT1 Azaarenes
NT2 Acridines
NT3 Acridine Orange
NT3 Acridones
NT3 Flavines
NT4 Acriflavine
NT4 Proflavine
NT2 Carbazoles
NT2 Indoles
NT3 Indigo
NT3 Indocyanine Green
NT3 Lysergic Acid
NT3 Reserpine
NT3 Strychnine
NT3 Tryptamines
NT4 Melatonin
NT4 Serotonin
NT5 Bufotenine
NT3 Tryptophan
NT3 Vinblastine
NT2 Phenanthrolines
NT3 Ferroin
NT3 Phenanthroline-Ortho
NT2 Pteridines
NT3 Aminopterin
NT3 Folic Acid
NT2 Purines
NT3 Adenines
NT4 Kinetin
NT3 Guanine
NT3 Guanosine
NT3 Hypoxanthine
NT3 Inosine
NT3 Mercaptopurine
NT3 Xanthines
NT4 Caffeine
NT4 Theobromine
NT4 Theophylline
NT4 Uric Acid
NT2 Quinolines
NT3 Ferron
NT3 Kynurenic Acid
NT3 Oxine
NT3 Quinaldine
NT1 Azido Compounds
• NT1 Azines
• NT1 Azo Compounds
• NT1 Azoles
NT1 Carbamates
NT2 DEDTC
NT2 Urethane
NT1 Carbazides
NT1 Carbazones
NT2 Diphenylcarbazones
NT2 Dithizone
NT1 Cyanamides
NT1 Diazo Compounds
NT2 PAN
NT2 Pyridylazoresorcinol
NT2 Thorin
NT1 DPCA
NT1 Guanethidine
NT1 Guanidines
NT1 Hydrazides
NT2 Isoniazid
NT3 Iproniazid
NT1 Hydrazones
NT1 Imides
NT2 NEM
NT1 Imidines
NT1 Imines
NT2 Creatinine
NT2 Pemoline
NT2 Schiff Bases
NT1 Imipramine
NT1 Isoalloxazines
NT2 Diaphorase
NT1 Melanin
NT1 Morpholines
NT1 Nitriles
NT2 Acetonitrile
NT2 Acrylonitrile
NT2 Propiolonitrile
NT2 TTF-TCNQ
• NT1 Nitro Compounds
• NT1 Nitroso Compounds
NT1 Oximes
NT2 Benzoinoxime
NT2 Dimethylglyoxime
NT2 Furildioxime
NT1 Parathion

NT1 Porphyrins
NT2 Chlorins
NT2 Chlorophyll
NT2 Etioporphyrins
NT2 Hematoporphyrins
NT2 Heme
NT2 Hemoglobin
NT3 Methemoglobin
NT2 Hemosiderin
NT2 Myoglobin
NT2 Protoporphyrins
NT1 Semicarbazides
NT1 Semicarbazones
NT1 Tamoxifen
NT1 Thionine
RT Diazotization
RT Nitrogen Compounds
RT Squarylium Dyes

ORGANIC OXYGEN COMPOUNDS [01]
(Excluding HYDROXY COMPOUNDS, CARBONIC ACID DERIVATIVES, LIPIDS, STEROIDS, CARBOHYDRATES, ORGANIC ACIDS, ALDEHYDES, KETONES and ESTERS.)
DA December 1, 1974
UF+ *Parabanic Acid*
UF+ *TMPN*
BT1 Organic Compounds
NT1 Allantoin
NT1 Alloxan
NT1 Barbiturates
NT2 Amytal
NT2 Nembutal
NT2 Phenobarbital
NT2 Thiopental
NT1 Benzoyl Peroxide
NT1 Cyanurates
NT1 Cytosine
NT1 Dioxane
NT1 Dioxin
NT1 Epoxides
NT2 Araldite
NT1 Ethers
NT2 Acetals
NT3 Acetal
NT2 Anisole
NT2 Batyl Alcohol
NT2 Butyl Ether
NT2 Carbitols
NT2 Cellosolves
NT2 Crown Ethers
NT2 Curcumin
NT2 DME
NT2 Ethyl Ether
NT2 Ioglycamic Acid
NT2 Isopropyl Ether
NT2 Methyl Ether
NT2 Methylal
NT2 Mexamine
NT2 Morpholines
NT2 Phenyl Ether
NT1 Flavonoids
NT2 Flavones
NT3 Hesperidin
NT3 Morin
NT3 Quercetin
NT1 Furans
NT2 Benzofurans
NT2 Furfural
NT2 Furildioxime
NT2 Tetrahydrofuran
NT3 MTHF
NT1 Heterocyclic Oxygen Compounds
NT1 Isoalloxazines
NT2 Diaphorase
NT1 Ketenes
NT1 Murexide
NT1 Oxadiazoles
NT1 Oxazoles
NT2 Benzoxazoles
NT2 Pemoline
NT2 POPOP
NT1 Phenatine
NT1 Psoralen
NT1 Pyrans
NT2 Coumarin
NT2 Hematoxylin
NT2 Pyrones
NT3 Chromone
NT2 Quercetin
NT2 Tetrahydropyran
NT1 Pyridoxal
NT1 Quinones
NT2 Anthraquinones
NT3 Alizarin
NT3 Carminic Acid
NT3 Quinizarin
NT2 Benzoquinones
NT3 Chloranil
NT3 Chloranilic Acid
NT3 Plastoquinone
NT3 Quinhydrone
NT3 Ubiquinone
NT2 Rhodizonic Acid
NT2 Vitamin K
NT1 Rhodamines
NT1 Saccharin
NT1 Semicarbazides
NT1 Triacetoneamine-N-Oxyl
NT1 Trioxanes
NT1 Xanthines
NT2 Caffeine
NT2 Theobromine
NT2 Theophylline
NT2 Uric Acid
RT Oxygen Compounds

ORGANIC PHOSPHORUS COMPOUNDS [01]
(Excluding NUCLEIC ACIDS and NUCLEOTIDES.)
DA December 1, 1974
UF *Diphenylphosphine Oxide*
UF *DPO*
BT1 Organic Compounds
NT1 Casein
NT1 Cystaphos
NT1 Malathion
NT1 Phosphinic Acid Esters
NT1 Phosphinic Acids
NT1 Phosphocreatine
NT1 Phospholipids
NT2 Cardiolipin
NT2 Cephalins
NT2 Lecithins
NT2 Sphingomyelins
NT1 Phosphonates
NT1 Phosphonic Acid Esters
NT2 DAMPA
NT2 DHDECMP
NT1 Phosphonic Acids
* NT1 Phosphoric Acid Esters
NT1 TBPO
NT1 TOPO
NT1 TOPS
NT1 TPO
NT1 UDPG
RT Phosphorus Compounds
RT Thiophosphoric Acid Esters

ORGANIC POLYMERS [01]
DA December 1, 1974
UF+ *Poly(Isobutylene Oxide)*
UF+ *Polyacrylonitrile*
UF+ *Polytetraoxane*
BT1 Organic Compounds
BT1 Polymers
NT1 Araldite
NT1 Bakelite
NT1 Copolymers
NT1 Graft Polymers
NT1 Neoprene
NT1 Plastic Foams
NT1 Polyacetals
NT2 Formvar
NT2 Polyoxymethylenes
NT1 Polyamides
NT2 Nylon
NT2 Polyurethanes
NT3 Halthane
NT1 Polyesters
NT2 Dacron
NT2 Homalite
NT2 Laminac
NT2 Mylar
NT1 Polyethylene Glycols
NT2 Carbowax
NT2 Pluronics
NT1 Polyisoprene
NT1 Polyolefins
NT2 Polyethylenes
NT3 KEL-F
NT3 Marlex
NT3 Polytetrafluoroethylene
NT4 Teflon
NT2 Polypropylene
NT2 Polystyrene
NT2 Polystyrene-DVB
NT1 Polyvinyls
NT2 Polyacrylates
NT3 Lucite
NT3 Perspex
NT3 Plexiglas
NT3 PMMA
NT2 Polystyrene
NT2 PVA
NT2 PVC
NT2 PVP
NT2 Tedlar
NT1 Resins
NT1 Rubbers
NT2 Buna
NT2 Latex
NT2 Natural Rubber
NT2 Silastic
NT2 Viton
NT1 Textolite
NT1 Thermoplastics
RT Acrylonitrile
RT Benzofurans
RT Butadiene
RT Concrete-Plastic Composites
RT Melamine
RT Plastics
RT Polyphenyls
RT Wood-Plastic Composites
RT Xenobiotics

ORGANIC SEMICONDUCTORS [01]
DA January 21, 1975
BT1 Semiconductor Materials
BT2 Materials
RT Organic Compounds
RT Organic Solar Cells

ORGANIC SILICON COMPOUNDS [01]
DA May 9, 1984
UF *Silicic Acid Esters*
BT1 Organic Compounds
NT1 Silanes
NT1 Siloxanes
NT2 Silicones
NT3 DC Resins
NT3 Silastic
RT Silicon Compounds

ORGANIC SOLAR CELLS [01]
DA May 2, 1979
BT1 Solar Cells
BT2 Photovoltaic Cells
BT3 Photoelectric Cells
BT4 Direct Energy Converters
BT2 Solar Equipment
BT3 Equipment
RT Dyes
RT Organic Semiconductors
RT Photovoltaic Conversion
RT PIS Solar Cells
RT PS Solar Cells

ORGANIC SOLVENTS [01]
DA December 1, 1974
BT1 Solvents
NT1 AMSCO
NT1 Carbitols
NT1 Cellosolves
NT1 Solvesso
NT1 Turpentine
RT Butyl Ether
RT Carbon Tetrachloride
RT Chloroform
RT DHDECMP
RT DME
RT Ethyl Ether
RT Isopropyl Ether
RT Solutions
RT Trioxanes

ORGANIC SULFUR COMPOUNDS [01]
DA December 1, 1974
UF *Thio Compounds*
BT1 Organic Compounds
NT1 BEDT-TTF

NT1 Biotin
NT1 Cystamine
NT1 DEDTC
NT1 Dimethyl Sulfide
NT1 Disulfides
NT2 Cystine
NT2 Thioctic Acid
NT1 Dithizone
NT1 Ethionine
NT1 Ethyrone
NT1 Heparin
NT1 Isothiocyanates
NT1 Methionine
NT1 Phenothiazines
NT2 Chlorpromazine
NT2 Methylene Blue
NT1 Polycyclic Sulfur Heterocycles
NT1 Sulfenamides
NT1 Sulfonamides
NT2 Sulfadiazine
NT1 Sulfonates
NT2 Indocyanine Green
NT2 Petroleum Sulfonates
NT1 Sulfones
NT2 SPADNS
NT1 Sulfonic Acid Esters
NT2 ABS
NT2 EMS
NT2 Methyl Methanesulfonate
NT2 Petroleum Sulfonates
* NT1 Sulfonic Acids
NT1 Sulfoxides
NT2 DMSO
NT2 DPSO
NT1 Thiadiazoles
NT1 Thiazoles
NT2 Benzothiazoles
NT2 Saccharin
NT2 Thiamine
NT1 Thiocyanates
NT2 Ammonium Thiocyanates
NT1 Thioic Acids
NT1 Thiols
NT2 Cysteine
NT2 Dithiols
NT3 BAL
NT3 Unithiol
NT2 Malathion
NT2 MEA
NT2 MEG
NT2 Mercaptopurine
NT2 MPG
NT2 Penicillamine
NT2 Thionalide
NT2 Thiouracil
NT1 Thionaphthenes
NT1 Thionates
NT1 Thionine
NT1 Thionyl Chlorides
NT1 Thiopental
NT1 Thiophene
NT1 Thiophenols
NT1 Thiophosgene
NT1 Thioureas
NT2 AET
NT2 Thiourea
NT1 TOPS
NT1 TTA
NT1 TTF
NT1 TTF-TCNQ
NT1 Xanthates
NT2 Viscose
RT Sulfur Compounds
RT Thiophosphoric Acid Esters

ORGANIC SUPERCONDUCTORS [01]
DA February 22, 1991
BT1 Superconductors
NT1 BEDT-TTF
NT1 TMTSF
NT1 TTF-TCNQ

ORGANIC WASTES [01]
DA September 11, 1975
BT1 Wastes
NT1 Agricultural Wastes
NT2 Bagasse
NT2 Manures
NT1 Compost
NT1 Stillage
RT Biological Wastes
RT Industrial Wastes
RT Liquid Wastes
RT Sewage
RT Solid Wastes

Organization Economic Co-operation and Development
DA December 1, 1974
USE OECD

Organization of American States
DA March 3, 1978
USE OAS

ORGANIZATIONAL MODELS [01]
DA December 16, 1975
UF *Models (Organizational)*
RT Management
RT Organizing
RT Planning

ORGANIZING [01]
DA December 1, 1974
RT Organizational Models
RT Personnel
RT Planning
RT Pollution Control Agencies

Organoids
(Prior to August 1991 this was a valid descriptor and older material is so indexed.)
DA December 1, 1974
USE Golgi Complexes

ORGANOLEPTIC PROPERTIES [01]
DA December 1, 1974
NT1 Color
NT1 Flavor
NT1 Odor
RT Food
RT Preservation
RT Sense Organs

ORGANOMETALLIC COMPOUNDS [01]
(For compounds of metals and semimetals with organic compounds, but only when the metal or semimetal is directly bound to carbon.)
DA December 1, 1974
BT1 Organic Compounds
NT1 Grignard Reagents
NT1 TEL

Organophosphinic Acids
(Prior to January 1992, this was a valid descriptor.)
DA December 1, 1974
USE Phosphinic Acids

ORGANS [01]
DA December 1, 1974
BT1 Body
NT1 Blood Vessels
NT2 Arteries
NT3 Aorta
NT3 Carotid Arteries
NT3 Cerebral Arteries
NT3 Coronaries
NT2 Capillaries
NT2 Veins
NT3 Portal System
NT1 Bone Marrow
NT1 Brain
NT2 Cerebellum
NT2 Cerebrum
NT3 Cerebral Cortex
NT2 Hippocampus
NT2 Hypothalamus
NT2 Olfactory Bulbs
NT2 Thalamus
NT1 Critical Organs
NT1 Diaphragm
NT1 Esophagus
NT1 Female Genitals
NT2 Ovaries
NT2 Uterus
NT1 Glands
NT2 Endocrine Glands
NT3 Adrenal Glands
NT3 Pancreas
NT3 Parathyroid Glands
NT3 Pituitary Gland
NT3 Thyroid
NT2 Liver
NT2 Mammary Glands
NT2 Pineal Gland
NT2 Prostate
NT2 Salivary Glands
NT1 Heart
NT2 Myocardium
NT2 Pericardium
NT1 Intestines
NT2 Large Intestine
NT3 Rectum
NT2 Small Intestine
NT1 Kidneys
NT2 Glomeruli
NT2 Mechanical Kidney
NT2 Tubules
NT1 Lungs
NT1 Male Genitals
NT2 Prostate
NT2 Testes
NT1 Perfused Organs
NT1 Pharynx
NT1 Sense Organs
NT2 Auditory Organs
NT2 Eyes
NT3 Conjunctiva
NT3 Cornea
NT3 Crystalline Lens
NT3 Lacrimal Ducts
NT3 Retina
NT3 Uvea
NT2 Taste Buds
NT2 Vestibular Apparatus
NT1 Skeleton
NT2 Bone Joints
NT2 Exoskeleton
NT2 Femur
NT2 Skull
NT3 Jaw
NT2 Tibia
NT2 Vertebrae
NT1 Skin
NT2 Epidermis
NT2 Hair
NT2 Hair Follicles
NT2 Nails
NT1 Spleen
NT1 Stomach
NT1 Thymus
NT1 Tongue
NT1 Urinary Tract
NT2 Bladder
NT2 Ureters
RT Artificial Organs
RT Biological Regeneration
RT Biology
RT Blood Flow
RT Cardiovascular System
RT Digestive System
RT Homogenates
RT In Vivo
RT Lymphatic System
RT Nervous System
RT Respiratory System
RT Retention
RT Tissues

ORGDP [01]
DA January 21, 1975
UF *K-25 Plant*
UF *Oak Ridge Gaseous Diffusion Plant*
BT1 Gaseous Diffusion Plants
BT2 Isotope Separation Plants
BT3 Industrial Plants
BT3 Nuclear Facilities
BT1 US DOE
BT2 US Organizations
BT3 National Organizations
BT1 US ERDA
BT2 US Organizations
BT3 National Organizations
RT Gaseous Diffusion Process
RT Oak Ridge
RT Oak Ridge Reservation

Orgel Reactor
DA December 1, 1974
USE ESSOR Reactor

ORIENTAL AMERICANS
DA January 21, 1982
UF *American Orientals*
BT1 Minority Groups
BT2 Human Populations
BT3 Populations
RT Sociology

ORIENTATION [01]
DA December 1, 1974
NT1 Grain Orientation
NT1 Spin Orientation
RT Anisotropy
RT Asymmetry
RT Configuration
RT Incidence Angle
RT Isotropy
RT Symmetry
RT Tilt Mechanisms

Orientation (Grain)
DA December 1, 1974
USE Grain Orientation

ORIENTED NUCLEI [01]
DA December 1, 1974
UF *Polarized Nuclei*
BT1 Nuclei
RT Nuclear Alignment
RT Polarization

ORIFICES [01]
DA December 1, 1974
BT1 Openings
RT Apertures
RT Flowmeters
RT Nozzles
RT Pipe Fittings

ORIGIN [01]
DA December 1, 1974
UF *Genesis*
RT Catagenesis
RT Cosmology
RT Diagenesis
RT Nucleosynthesis
RT Orogenesis
RT Petrogenesis
RT Protostars
RT Star Evolution

ORINS
DA December 26, 1984
UF *Oak Ridge Institute of Nuclear Studies*
BT1 US Organizations
BT2 National Organizations

ORION COMPUTERS [01]
DA December 1, 1974
BT1 Computers

ORMAK DEVICES [01]
DA December 1, 1974
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

ORNAMENTAL PLANTS [01]
DA December 1, 1974
BT1 Plants
RT Aesthetics

ORNITHINE [01]
DA December 1, 1974
UF *2,5-Diaminovaleric Acid*
BT1 Amino Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds

ORNL [01]
DA December 1, 1974
UF *Oak Ridge National Laboratory*
BT1 US AEC
BT2 US Organizations
BT3 National Organizations
BT1 US DOE
BT2 US Organizations
BT3 National Organizations
BT1 US ERDA
BT2 US Organizations
BT3 National Organizations
RT Oak Ridge
RT Oak Ridge Reservation

ORNL ISOCHRONOUS CYCLOTRON [01]
DA December 1, 1974
BT1 Isochronous Cyclotrons
BT2 Cyclotrons
BT3 Cyclic Accelerators
BT4 Accelerators
RT HHIRF Accelerator

ORNL-PCA REACTOR [01]
DA December 1, 1974
UF *PCA-ORNL Reactor*
UF *Pool Critical Assembly ORNL*
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

ORNL Research Reactor
DA December 1, 1974
USE ORR Reactor

ORNL SEPARATED ORBIT CYCLOTRON [01]
DA December 1, 1974
BT1 Separated Orbit Cyclotrons
BT2 Cyclotrons
BT3 Cyclic Accelerators
BT4 Accelerators

ORNL X-10 Area Graphite Reactor
DA December 1, 1974
USE X-10 Reactor

OROGENESIS [01]
DA December 1, 1974
RT Mountains
RT Origin
RT Petrogenesis
RT Rocks
DEF The process of mountain making, especially by folding of the earth's crust.

OROTIC ACID [01]
DA December 1, 1974
UF *6-Carboxyuracil*
UF *Uracil-6-Carboxylic Acid*
BT1 Heterocyclic Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT2 Heterocyclic Compounds
BT3 Organic Compounds
BT1 Uracils
BT2 Hydroxy Compounds
BT3 Organic Compounds
BT2 Pyrimidines
BT3 Azines
BT4 Heterocyclic Compounds
BT5 Organic Compounds
BT4 Organic Nitrogen Compounds
BT5 Organic Compounds

ORPHEE REACTOR [01]
(High flux reactor at Saclay Nuclear Research Centre, Gif-sur-Yvette, France.)
DA November 23, 1979
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Water Cooled Reactors
BT2 Reactors

ORR REACTOR [01]
DA December 1, 1974
UF *Oak Ridge Research Reactor*
UF *ORNL Research Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors

ORSAT APPARATUS [01]
DA December 1, 1974
RT Gas Analysis

Orsay Alice Cyclotron
DA December 1, 1974
USE ALICE Cyclotron

ORSAY CYCLOTRON [01]
DA December 1, 1974
BT1 Isochronous Cyclotrons
BT2 Cyclotrons
BT3 Cyclic Accelerators
BT4 Accelerators

ORSAY LINAC [01]
DA December 1, 1974
BT1 Linear Accelerators
BT2 Accelerators

→**ORSAY SYNCHROCYCLOTRON [01]**
DA November 20, 1990
BT1 Synchrocyclotrons
BT2 Cyclic Accelerators
BT3 Accelerators

ORSAY SYNCHROTRON [01]
DA December 1, 1974
BT1 Synchrotrons
BT2 Cyclic Accelerators
BT3 Accelerators

ORSAY TANDEM ACCELERATOR [01]
DA April 13, 1977
BT1 Tandem Electrostatic Accelerators
BT2 Electrostatic Accelerators
BT3 Accelerators
BT1 Van de Graaff Accelerators
BT2 Electrostatic Accelerators
BT3 Accelerators

ORTHICONS [01]
DA December 1, 1974
BT1 Camera Tubes
BT2 Image Tubes

ORTHITE [01]
DA December 1, 1974
BT1 Allanite
BT2 Silicate Minerals
BT3 Minerals
BT2 Thorium Minerals
BT3 Radioactive Minerals
BT4 Minerals
BT4 Radioactive Materials
BT5 Materials
RT Lanthanum Silicates

ORTHOCLASE
DA June 20, 1983
BT1 Aluminium Silicates
BT2 Aluminium Compounds
BT2 Silicates
BT3 Oxygen Compounds
BT3 Silicon Compounds
BT1 Feldspars
BT2 Silicate Minerals
BT3 Minerals
BT1 Potassium Silicates
BT2 Potassium Compounds
BT3 Alkali Metal Compounds
BT2 Silicates
BT3 Oxygen Compounds
BT3 Silicon Compounds
DEF A white to pale yellow, red, or transparent mineral of the feldspar group, monoclinic in form, with the composition $KAlSi_3O_8$.

Orthogonal Pinch Devices (Linear)
DA December 1, 1974
USE Linear Theta Pinch Devices

ORTHOGONAL TRANSFORMATIONS [01]
DA June 16, 1975
BT1 Transformations
NT1 Moshinsky Transformation

ORTHONOL [01]
DA December 1, 1974
BT1 Iron Alloys
BT2 Alloys
BT1 Nickel Alloys
BT2 Alloys

ORTHOPTERA [01]
DA June 16, 1981
BT1 Insects
BT2 Arthropods
BT3 Invertebrates
BT4 Animals
NT1 Grasshoppers
NT2 Locusts

ORTHORHOMBIC LATTICES [01]
DA December 1, 1974
BT1 Crystal Lattices
BT2 Crystal Structure

Oryza
DA December 1, 1974
USE Rice

→**OSAMU UTSUMI MINE [01]**
DA November 20, 1992
BT1 Uranium Mines
BT2 Mines
BT3 Underground Facilities
RT Brazil

OSCILLATION MODES [01]
DA December 1, 1974
UF *Modes (Oscillation)*
UF *Vibration Modes*
NT1 Bernstein Mode
NT1 Optical Modes
NT1 Single-Particle Modes
RT Harmonics
RT Lattice Vibrations
RT Mode Conversion
RT Mode Selection
RT Plasma Waves

Oscillation Techniques (Pile)
DA December 1, 1974
USE Pile Oscillation Techniques

OSCILLATIONS [01]
DA December 1, 1974
NT1 Betatron Oscillations
NT1 Harmonics
NT2 Cyclotron Harmonics
NT1 Phase Oscillations
NT1 Sawtooth Oscillations
NT1 Synchrotron Oscillations
RT Amplitudes
RT Disturbances
RT Mechanical Vibrations
RT Nyquist Diagrams
RT Pulsations
RT Samarium Oscillations
RT Variations
RT Xenon Oscillations

Oscillations (Plasma)
DA December 1, 1974
USE Plasma Waves

OSCILLATOR STRENGTHS [01]
DA December 1, 1974
RT Einstein Coefficients
RT Energy-Level Transitions
RT Optical Depth Curve
RT Spectroscopic Curve of Growth
RT Strength Functions

OSCILLATORS [01]
DA December 1, 1974
BT1 Electronic Equipment
BT2 Equipment
NT1 Anharmonic Oscillators
NT1 Blocking Oscillators
NT1 Harmonic Oscillators
NT1 Parametric Oscillators
NT1 Transistor Oscillators
RT Electronic Circuits
RT Pulse Techniques
RT Reactor Oscillators
RT Resonators
RT Semiconductor Devices

Oscillators (Reactor)
DA December 1, 1974
USE Reactor Oscillators

OSCILLOGRAPHS [01]
DA December 1, 1974
BT1 Electronic Equipment
BT2 Equipment
RT Cathode Ray Tubes

OSEEN METHOD [01]
DA December 1, 1974
BT1 Calculation Methods
RT Fluid Flow

OSHA
DA June 14, 1978
USE US OSHA

Oshima Oi-1 Reactor
DA December 1, 1974
USE Oi-1 Reactor

Oshima Oi-2 Reactor
DA December 1, 1974
USE Oi-2 Reactor

OSIRIS REACTOR [01]
(CEA/CEN de Saclay, Gif-sur-Yvette, France.)
DA December 1, 1974
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Materials Testing Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors

Oskarshamn-1 Reactor
DA December 1, 1974
USE OKG-1 Reactor

Oskarshamn-2 Reactor
DA December 1, 1974
USE OKG-2 Reactor

Oskarshamn-3 Reactor
DA December 1, 1974
USE OKG-3 Reactor

Oskarshamn-4 Reactor
DA December 1, 1974
USE OKG-4 Reactor

OSLO CYCLOTRON [01]
DA August 12, 1980
BT1 Isochronous Cyclotrons
BT2 Cyclotrons
BT3 Cyclic Accelerators
BT4 Accelerators

OSMIUM [01]
DA December 1, 1974
BT1 Platinum Metals
BT2 Transition Elements
BT3 Metals
BT4 Elements

OSMIUM 162 [01]
DA August 1, 1989
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Osmium Isotopes
BT2 Isotopes

OSMIUM 163 [01]
DA July 3, 1986
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Osmium Isotopes
BT2 Isotopes

OSMIUM 164 [01]
DA July 3, 1986
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Osmium Isotopes
BT2 Isotopes

OSMIUM 165 [01]
DA December 20, 1978
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Osmium Isotopes
BT2 Isotopes

OSMIUM 166 [01]
DA May 1, 1978
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Osmium Isotopes
BT2 Isotopes

OSMIUM 167 [01]
DA May 1, 1978
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Osmium Isotopes
BT2 Isotopes

OSMIUM 168 [01]
DA April 12, 1979
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Osmium Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

OSMIUM 169 [01]
DA September 26, 1979
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Osmium Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

OSMIUM 170 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Osmium Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

OSMIUM 171 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Osmium Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

OSMIUM 172 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Osmium Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

OSMIUM 173 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Osmium Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

OSMIUM 174 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Osmium Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

OSMIUM 175 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Osmium Isotopes
BT2 Isotopes

OSMIUM 176 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Osmium Isotopes
BT2 Isotopes

OSMIUM 177 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Osmium Isotopes
BT2 Isotopes

OSMIUM 178 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Osmium Isotopes
BT2 Isotopes

OSMIUM 179 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Osmium Isotopes
BT2 Isotopes

OSMIUM 180 [01]
DA December 1, 1974
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Osmium Isotopes
BT2 Isotopes

OSMIUM 181 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BT1 Osmium Isotopes
BT2 Isotopes

OSMIUM 182 [01]
DA December 1, 1974
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Nanosec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Osmium Isotopes
BT2 Isotopes

OSMIUM 183 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Osmium Isotopes
BT2 Isotopes

OSMIUM 184 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Osmium Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

OSMIUM 184 TARGET [01]
DA July 9, 1976
BT1 Targets

OSMIUM 185 [01]
DA December 1, 1974
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Osmium Isotopes
BT2 Isotopes

OSMIUM 186 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Osmium Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

OSMIUM 186 TARGET [01]
DA July 9, 1976
BT1 Targets

OSMIUM 187 [01]
DA December 1, 1974
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Osmium Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

OSMIUM 187 TARGET [01]
DA July 9, 1976
BT1 Targets

OSMIUM 188 [01]
DA December 1, 1974
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Osmium Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

OSMIUM 188 TARGET [01]
DA July 9, 1976
BT1 Targets

OSMIUM 189 [01]
DA December 1, 1974
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Osmium Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

OSMIUM 189 TARGET [01]
DA July 9, 1976
BT1 Targets

OSMIUM 190 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Osmium Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

OSMIUM 190 TARGET [01]
DA July 9, 1976
BT1 Targets

OSMIUM 191 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Osmium Isotopes
BT2 Isotopes

OSMIUM 191 TARGET [01]
DA May 25, 1979
BT1 Targets

OSMIUM 192 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Osmium Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

OSMIUM 192 TARGET [01]
DA July 9, 1976
BT1 Targets

OSMIUM 193 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Osmium Isotopes
BT2 Isotopes

OSMIUM 193 TARGET [01]
DA March 29, 1982
BT1 Targets

OSMIUM 194 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Osmium Isotopes
BT2 Isotopes

BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

OSMIUM 195 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Osmium Isotopes
BT2 Isotopes

OSMIUM 196 [01]
DA October 13, 1976
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Osmium Isotopes
BT2 Isotopes

OSMIUM ADDITIONS [01]
DA December 1, 1974
BT1 Osmium Alloys
BT2 Platinum Metal Alloys
BT3 Alloys

OSMIUM ALLOYS [01]
DA December 1, 1974
BT1 Platinum Metal Alloys
BT2 Alloys
NT1 Osmium Additions
NT1 Osmium Base Alloys

OSMIUM BASE ALLOYS [01]
DA December 1, 1974
BT1 Osmium Alloys
BT2 Platinum Metal Alloys
BT3 Alloys

OSMIUM BORIDES [01]
DA December 16, 1975
BT1 Borides
BT2 Boron Compounds
BT1 Osmium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

OSMIUM CARBIDES [01]
DA January 23, 1976
BT1 Carbides
BT2 Carbon Compounds
BT1 Osmium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

OSMIUM CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Osmium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

OSMIUM COMPLEXES [01]
DA December 1, 1974
BT1 Transition Element Complexes
BT2 Complexes

OSMIUM COMPOUNDS [01]
DA December 1, 1974
BT1 Refractory Metal Compounds
BT1 Transition Element Compounds
NT1 Osmium Borides
NT1 Osmium Carbides
NT1 Osmium Chlorides
NT1 Osmium Fluorides
NT1 Osmium Oxides
NT1 Osmium Phosphides
NT1 Osmium Sulfates
NT1 Osmium Sulfides

OSMIUM FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Osmium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

OSMIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

OSMIUM ISOTOPES [01]
DA December 1, 1974
BT1 Isotopes
NT1 Osmium 162
NT1 Osmium 163
NT1 Osmium 164
NT1 Osmium 165
NT1 Osmium 166
NT1 Osmium 167
NT1 Osmium 168
NT1 Osmium 169
NT1 Osmium 170
NT1 Osmium 171
NT1 Osmium 172
NT1 Osmium 173
NT1 Osmium 174
NT1 Osmium 175
NT1 Osmium 176
NT1 Osmium 177
NT1 Osmium 178
NT1 Osmium 179
NT1 Osmium 180
NT1 Osmium 181
NT1 Osmium 182
NT1 Osmium 183
NT1 Osmium 184
NT1 Osmium 185
NT1 Osmium 186
NT1 Osmium 187
NT1 Osmium 188
NT1 Osmium 189
NT1 Osmium 190
NT1 Osmium 191
NT1 Osmium 192
NT1 Osmium 193
NT1 Osmium 194
NT1 Osmium 195
NT1 Osmium 196

OSMIUM OXIDES [01]
DA December 1, 1974
BT1 Osmium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds

OSMIUM PHOSPHIDES [01]
DA June 14, 1984
BT1 Osmium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Phosphides
BT2 Phosphorus Compounds
BT2 Pnictides

OSMIUM SULFATES [01]
DA April 12, 1977
BT1 Osmium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds

OSMIUM SULFIDES [01]
DA March 4, 1977
BT1 Osmium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds

OSMOSIS [01]
DA December 1, 1974
UF *Reverse Osmosis*
BT1 Diffusion
RT Advection
RT Donnan Theory
RT Hypertonic Solutions
RT Isotonic Solutions
RT Mass Transfer
RT Membrane Transport
RT Membranes
RT Molecular Weight
RT Permeability

Osmotic Power Plants
DA September 19, 1977
USE Salinity Gradient Power Plants

Osteitis (Radioinduced)
DA December 1, 1974
USE Osteoradionecrosis

Osteoblasts
DA December 1, 1974
USE Connective Tissue Cells

Osteocytes
DA December 1, 1974
USE Bone Cells

OSTEODENSITOMETRY [01]
DA December 1, 1974
BT1 Biomedical Radiography
BT2 Diagnostic Techniques
BT2 Radiology
BT3 Nuclear Medicine
BT4 Medicine
RT Bone Tissues
RT Osteoporosis
RT Scintiscanning

OSTEOMYELITIS [01]
DA December 1, 1974
BT1 Skeletal Diseases
BT2 Diseases
RT Bone Tissues

OSTEOPOROSIS [01]
DA December 1, 1974
BT1 Skeletal Diseases
BT2 Diseases
RT Bone Tissues
RT Osteodensitometry

OSTEORADIONECROSIS [01]
DA December 1, 1974
UF *Osteitis (Radioinduced)*
BT1 Local Radiation Effects
BT2 Biological Radiation Effects
BT3 Biological Effects
BT3 Radiation Effects
BT1 Necrosis
BT2 Pathological Changes
BT1 Radiation Injuries
BT2 Biological Radiation Effects
BT3 Biological Effects
BT3 Radiation Effects
BT2 Injuries
BT1 Skeletal Diseases
BT2 Diseases
RT Bone Tissues

OSTEOSARCOMAS [01]
DA December 1, 1974
BT1 Sarcomas
BT2 Neoplasms
BT3 Diseases
BT1 Skeletal Diseases
BT2 Diseases
RT Bone Tissues

OSTR REACTOR [01]
DA December 1, 1974

UF *Oregon State TRIGA Reactor*
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Pulsed Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 TRIGA Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Hydride Moderated Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Solid Homogeneous Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

OSUR REACTOR [01]
(Ohio State University, Columbus, Ohio, USA.)
DA December 1, 1974
UF *Ohio State University Reactor*
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors

Osweso Nuclear Power Plant
DA December 1, 1974
USE Nine Mile Point-2 Reactor

OTAKE GEOTHERMAL FIELD [01]
DA January 23, 1975
BT1 Geothermal Fields
RT Geothermal Hot-Water Systems
RT Japan

OTEC
DA January 27, 1981
USE Ocean Thermal Energy Conversion

OTEC Foam-Lift Cycle
DA August 12, 1980
USE Foam-Lift Cycles

OTEC Lift Cycles
DA August 12, 1980
USE Lift Cycles

OTEC Mist-Lift Cycle
DA August 12, 1980
USE Mist-Lift Cycles

OTHER ORGANIC COMPOUNDS [01]
(For organic materials, usually naturally occurring, composed of undetermined or mixed organic compounds.)
DA December 1, 1974
BT1 Organic Compounds
NT1 Amber
NT1 Asphaltite
NT1 Oils
NT2 Coal Tar Oils
NT2 Essential Oils
NT2 Fish Oil
NT2 Insulating Oils
NT2 Linseed Oil
NT2 Lipiodol
NT2 Lubricating Oils
NT2 Pyrolytic Oils
NT2 Road Oils
NT2 Shale Tar Oils
NT2 Tall Oil
NT2 Triolein
NT2 Vegetable Oils
NT3 Castor Oil
NT3 Corn Oil
NT3 Cottonseed Oil
NT3 Croton Oil
NT3 Olive Oil
NT3 Peanut Oil
NT3 Sesame Oil
NT3 Soybean Oil
NT3 Sunflower Oil
NT2 Waste Oils
NT2 Wood Oils
NT1 Pitches
NT1 Soaps
NT1 Tar
NT2 Bitumens
NT3 Asphalts
NT4 Asphaltenes
NT3 Blown Bitumens
NT3 Carburan
NT3 Thucholite
NT2 Coal Tar
NT2 Shale Tar
NT1 Waxes
NT2 Carbowax
NT2 Paraffin
NT2 Santowax

OTISCA PROCESS
DA June 13, 1981
BT1 Heavy Media Separation
BT2 Separation Processes
DEF Heavy media separation process using chlorofluoromethanes.

OTTAWA RIVER [01]
DA December 1, 1974
BT1 Rivers
BT2 Streams
BT3 Surface Waters
RT Ontario
RT Quebec

OTTERS [01]
DA May 8, 1984
BT1 Mammals
BT2 Vertebrates
BT3 Animals
RT Aquatic Ecosystems
RT Aquatic Organisms

OTTO CYCLE
DA February 6, 1975
BT1 Thermodynamic Cycles

Otto Hahn (Nuclear Ship)
DA December 1, 1974
USE NS Otto Hahn

OTTO HAHN REACTOR [01]
DA December 1, 1974
UF *FDR Reactor*
UF *Nuclear Ship Otto Hahn Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Ship Propulsion Reactors
BT2 Propulsion Reactors
BT3 Reactors
RT NS Otto Hahn

OTTO PROCESS
DA February 6, 1975
BT1 Desulfurization
BT2 Chemical Reactions
RT Sulfur
DEF Process for removal of H_2S from coal gas.

OTTO RUMMEL SLAG BATH PROCESS
DA May 7, 1977
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes
DEF Slag bath gasification using either steam or oxygen-steam; steam blown system requires a dual shaft, which permits the separation of the combustor function from the gasification function, thereby permitting synthesis gas generation with low nitrogen content.

OUABAIN [01]
DA December 1, 1974
BT1 Strophanthins
BT2 Cardiac Glycosides
BT3 Cardiotonics
BT4 Cardiovascular Agents
BT5 Drugs
BT3 Glycosides
BT4 Carbohydrates
BT5 Organic Compounds

OUNCE METAL [01]
DA December 1, 1974
BT1 Copper Base Alloys
BT2 Copper Alloys
BT3 Alloys
BT1 Lead Alloys
BT2 Alloys
BT1 Nickel Additions
BT2 Nickel Alloys
BT3 Alloys
BT1 Tin Alloys
BT2 Alloys
BT1 Zinc Alloys
BT2 Alloys
RT Brass

OUTAGES [01]
DA July 18, 1979
RT Accidents
RT Blackouts
RT Brownouts
RT Capacity
RT Failures
RT Maintenance
RT Power Systems
RT Reliability
RT Shutdown
DEF Accidental or planned shutdown of all or part of an electric power system.

Outer Continental Shelf
DA November 23, 1979
USE Continental Shelf

Outgassing
DA December 1, 1974
USE Degassing

OUTLET STRUCTURES
DA May 31, 1979
BT1 Mechanical Structures

Output
DA May 6, 1980
USE Production

OVA [01]
DA December 1, 1974
BT1 Gametes
BT2 Germ Cells
RT Eggs
RT Fertilization
RT Life Cycle
RT Oogenesis
RT Ovulation

OVALBUMIN [01]
DA December 1, 1974
BT1 Glucoproteins
BT2 Glycoproteins
BT3 Proteins
BT4 Organic Compounds
BT2 Saccharides
BT3 Carbohydrates
BT4 Organic Compounds

OVARIES [01]
DA December 1, 1974
BT1 Female Genitals

BT2 Organs
BT3 Body
BT1 Gonads
RT Estrogens
RT Oogenesis
RT Ovulation
RT Progesterone

OVEN COKE
DA September 27, 1979
BT1 Coke

OVENS
DA August 11, 1982
BT1 Appliances
BT2 Equipment
NT1 Microwave Ovens
RT Electric Appliances
RT Gas Appliances
RT Stoves
RT Wood Burning Appliances

OVERBURDEN [01]
DA January 27, 1975
SF *Regolith*
RT Earth Mantle
RT Mining
RT Rock Mechanics
RT Soil Mechanics
DEF The loose soil, silt, sand, gravel, or other unconsolidated material overlying bedrock, either transported or formed in place.

OVERCURRENT [01]
DA April 8, 1975
RT Electric Currents
RT Surges
RT Transients

OVERHAUSER EFFECT [01]
DA January 21, 1975
RT Electron Spin Resonance
RT Nuclear Magnetic Resonance
RT Nuclei
RT Polarization

OVERHEAD POWER TRANSMISSION [01]
DA August 4, 1976
BT1 Power Transmission
RT Power Transmission Towers

Overthrust Belt
DA July 27, 1982
USE Western US Overthrust Belt

OVERVOLTAGE [01]
DA April 8, 1975
RT Breakdown
RT Electric Potential
RT Electrical Transients
RT Surges
RT Transients
RT VAR Control Systems

OVULATION [01]
DA December 1, 1974
RT Estrous Cycle
RT Menstrual Cycle
RT Ova
RT Ovaries
RT Reproduction

OWNERSHIP [01]
DA July 23, 1977
NT1 Land Ownership
NT1 Multinational Ownership
RT Legal Aspects
RT Mineral Resources
RT Mineral Rights
RT Public Enterprises
RT Solar Rights

OWR REACTOR [01]
(University of California, Los Alamos Scientific Lab., Los Alamos, New Mexico, USA.)
DA December 1, 1974
UF *Los Alamos Omega West Reactor*
UF *Omega West Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors

OXADIAZOLES [01]
DA December 1, 1974
BT1 Azoles
BT2 Heterocyclic Compounds
BT3 Organic Compounds
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
BT1 Organic Oxygen Compounds
BT2 Organic Compounds
DEF Compounds that contain a five-membered heterocyclic ring containing one oxygen and two nitrogen atoms.

Oxalaldehyde
DA December 1, 1974
USE Glyoxal

OXALATES [01]
DA December 1, 1974
BT1 Carboxylic Acid Salts
RT Oxalic Acid Esters

OXALIC ACID [01]
DA December 1, 1974
BT1 Dicarboxylic Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
RT OPIX Process

OXALIC ACID ESTERS [01]
DA December 1, 1974
BT1 Carboxylic Acid Esters
BT2 Esters
BT3 Organic Compounds
RT Oxalates

OXAZOLES [01]
DA December 1, 1974
BT1 Azoles
BT2 Heterocyclic Compounds
BT3 Organic Compounds
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
BT1 Organic Oxygen Compounds
BT2 Organic Compounds
NT1 Benzoxazoles
NT1 Pemoline
NT1 POPOP
DEF Compounds that contain a five-membered heterocyclic ring containing one nitrogen and one oxygen atom.

Oxetane
DA December 8, 1980
USE Ethers
AND Heterocyclic Oxygen Compounds

Oxidants
DA January 10, 1977
USE Oxidizers

Oxidases
(Prior to January 1981 this was a valid descriptor and older material is so indexed.)
DA December 1, 1974
USE Oxidoreductases

OXIDATION [01]
DA December 1, 1974
UF+ *Disproportionation*
BT1 Chemical Reactions
NT1 Combustion
NT2 Cocombustion
NT2 Fluidized-Bed Combustion
NT2 In-Situ Combustion
NT2 Pulse Combustion
NT2 Reverse Combustion
NT2 Spontaneous Combustion
NT2 Staged Combustion
NT1 Roasting
RT Anoxia
RT Antioxidants
RT Bioreactors
RT Corrosion
RT Corrosion Products
RT Oxidizers
RT Oxidoreductases
RT Redox Potential
RT Redox Reactions
RT Reduction
RT Sulfation
RT Thiobacillus Ferroxidans
RT Thiobacillus Oxidans
RT Wet Oxidation Processes

Oxidation State
DA October 27, 1980
USE Valence

OXIDE MINERALS [01]
DA May 12, 1982
BT1 Minerals
NT1 Aeschynite
NT1 Baddeleyite
NT1 Bastnaesite
NT1 Becquerelite
NT1 Billietite
NT1 Brannerite
NT1 Cerianite
NT1 Chrysoberyl
NT1 Clarkeite
NT1 Coesite
NT1 Compreignacite
NT1 Corundum
NT2 Ruby
NT2 Sapphire
NT1 Corvusite
NT1 Cristobalite
NT1 Curite
NT1 Davidite
NT1 Demesmaekerite
NT1 Ellsworthite
NT1 Ferghanite
NT1 Ferrite Garnets
NT1 Francevillite
NT1 Gibbsite
NT1 Goethite
NT1 Guilleminite
NT1 Gummite
NT1 Hallimondite
NT1 Hatchettolite
NT1 Heinrichite
NT1 Hematite
NT1 Hollandite
NT1 Ianthinite
NT1 Ilmenite
NT1 Iriginite
NT1 Ishikawaite
NT1 Kahlerite
NT1 Kirchheimerite
NT1 Limonite
NT1 Lodochnikite
NT1 Lyndochite
NT1 Magnetite
NT1 Marignacite
NT1 Masuyite
NT1 Melanovanadite
NT1 Moctezumite
NT1 Moluranite
NT1 Mullite
NT1 Naegite
NT1 Nogizawalite
NT1 Nordstrandite
NT1 Novacekite
NT1 Para-Schoepite
NT1 Pascoite
NT1 Perovskite
NT1 Quartz
NT1 Rauvite
NT1 Rutile
NT1 Schoepite
NT1 Sengierite

NT1 Silica
NT2 Opals
NT1 Spinels
NT1 Stishovite
NT1 Strelkinite
NT1 Tantalite
NT1 Tapiolite
NT1 Thorianite
NT1 Tyuyamunite
NT1 Umohoite
NT1 Uraninites
NT2 Broeggerite
NT2 Pitchblende
NT1 Uranium Black
NT1 Uranothorianite
NT1 Wolframite
NT1 Wulfenite
NT1 Zeunerite
NT1 Zirconolite
RT Aluminium Oxides
RT Arsenic Oxides
RT Barium Oxides
RT Calcium Oxides
RT Cerium Oxides
RT Cobalt Oxides
RT Copper Oxides
RT Hafnium Oxides
RT Iron Oxides
RT Kimberlites
RT Lead Oxides
RT Magnesium Oxides
RT Manganese Oxides
RT Molybdenum Oxides
RT Niobium Oxides
RT Potassium Oxides
RT Selenium Oxides
RT Shales
RT Silicon Oxides
RT Sodium Oxides
RT Tantalum Oxides
RT Tellurium Oxides
RT Thorium Oxides
RT Titanium Oxides
RT Tungsten Oxides
RT Uranium Oxides
RT Vanadium Oxides
RT Zirconium Oxides

OXIDES [01]
DA December 1, 1974
BT1 Chalcogenides
BT1 Oxygen Compounds
NT1 Actinium Oxides
NT1 Aluminium Oxides
NT1 Americium Oxides
NT1 Antimony Oxides
NT1 Argon Oxides
* NT1 Arsenic Oxides
NT1 Barium Oxides
NT2 Billietite
NT2 Heinrichite
NT1 Berkelium Oxides
NT1 Beryllium Oxides
NT1 Bismuth Oxides
NT1 Boron Oxides
NT1 Bromine Oxides
NT1 Cadmium Oxides
NT1 Calcium Oxides
NT2 Ellsworthite
NT2 Melanovanadite
NT2 Pascoite
NT2 Rauvite
NT1 Californium Oxides
NT1 Carbon Oxides
NT2 Carbon Dioxide
NT2 Carbon Monoxide
NT1 Cerium Oxides
NT1 Cesium Oxides
NT1 Chlorine Oxides
NT1 Chromium Oxides
NT1 Cobalt Oxides
NT2 Kirchheimerite
NT1 Copper Oxides
NT2 Sengierite
NT1 Curium Oxides
NT1 Dysprosium Oxides
NT1 Einsteinium Oxides
NT1 Erbium Oxides
NT1 Europium Oxides
NT1 Fermium Oxides
NT1 Fluorine Oxides
NT1 Francium Oxides
NT1 Gadolinium Oxides
NT1 Gallium Oxides
NT1 Germanium Oxides
NT1 Gold Oxides
NT1 Hafnium Oxides
NT1 Helium Oxides
NT1 Holmium Oxides
NT1 Indium Oxides
NT1 Iodine Oxides
NT1 Iridium Oxides
NT1 Iron Oxides
NT2 Kahlerite
NT2 Tapiolite
NT1 Krypton Oxides
NT1 Lanthanum Oxides
NT1 Lawrencium Oxides
NT1 Lead Oxides
NT2 Hallimondite
NT2 Moctezumite
NT1 Lithium Oxides
NT1 Lutetium Oxides
NT1 Magnesium Oxides
NT2 Novacekite
NT1 Manganese Oxides
NT1 Mendelevium Oxides
NT1 Mercury Oxides
NT1 Molybdenum Oxides
NT2 Molybdenum Blue
NT1 Neodymium Oxides
NT1 Neon Oxides
NT1 Neptunium Oxides
NT1 Nickel Oxides
NT1 Niobium Oxides
NT2 Ellsworthite
NT2 Lyndochite
NT2 Marignacite
NT2 Tapiolite
NT1 Nitrogen Oxides
NT2 Nitric Oxide
NT2 Nitrogen Dioxide
NT2 Nitrous Oxide
NT1 Nobelium Oxides
NT1 Osmium Oxides
NT1 Palladium Oxides
NT1 Phosphorus Oxides
NT1 Platinum Oxides
NT1 Plutonium Oxides
NT2 Plutonium Dioxide
NT1 Polonium Oxides
NT1 Potassium Oxides
NT2 Compreignacite
NT1 Praseodymium Oxides
NT1 Promethium Oxides
NT1 Protactinium Oxides
NT1 Radium Oxides
NT1 Radon Oxides
NT1 Rhenium Oxides
NT1 Rhodium Oxides
NT1 Rubidium Oxides
NT1 Ruthenium Oxides
NT1 Samarium Oxides
NT1 Scandium Oxides
NT1 Selenium Oxides
NT2 Guilleminite
NT1 Silicon Oxides
NT2 Silica
NT3 Opals
NT1 Silver Oxides
NT1 Sodium Oxides
NT2 Sodium Tungsten Bronze
NT1 Strontium Oxides
NT1 Sulfur Oxides
NT2 Sulfur Dioxide
NT2 Sulfur Trioxide
NT1 Tantalum Oxides
NT2 Tapiolite
NT1 Technetium Oxides
NT1 Tellurium Oxides
NT2 Moctezumite
NT1 Terbium Oxides
NT1 Thallium Oxides
NT1 Thorium Oxides
NT2 Lodochnikite
NT2 Lyndochite
NT2 Naegite
NT2 Thorotrast
NT1 Thulium Oxides
NT1 Tin Oxides
NT1 Titanium Oxides
NT2 Lodochnikite
NT2 Marignacite
NT1 Tritium Oxides
NT1 Tungsten Oxides
NT2 Sodium Tungsten Bronze
* NT1 Uranium Oxides
* NT1 Vanadium Oxides
NT1 Xenon Oxides
NT1 Ytterbium Oxides
NT1 Yttrium Oxides
NT2 Alloy-IN-853
NT1 Zinc Oxides
NT1 Zirconium Oxides
NT2 Marignacite
NT2 Naegite
NT2 Nogizawaite
RT Corrosion Products
RT Oxybromides
RT Oxycarbides
RT Oxychlorides
RT Oxyfluorides
RT Oxygen Additions
RT Oxyiodides
RT Oxynitrates
RT Oxyselenides
RT Oxysulfides
RT Oxytellurides

OXIDIZERS [01]
DA January 10, 1977
UF *Oxidants*
UF *Oxidizing Agents*
RT Antioxidants
RT Oxidation

Oxidizing Agents
DA January 10, 1977
USE Oxidizers

OXIDOREDUCTASES [01]
(Code number 1.)
DA December 1, 1974
UF *Dehydrogenases*
UF *Oxidases*
UF *Reductases*
BT1 Enzymes
BT2 Proteins
BT3 Organic Compounds
NT1 Amine Oxidases
NT2 Histaminase
NT1 Aryl 4-Monooxygenase
NT1 Haem Dehydrogenases
NT2 Cytochrome Oxidase
NT1 Hemiacetal Dehydrogenases
NT2 Alcohol Dehydrogenase
NT2 Lactate Dehydrogenase
NT1 Hydrogenases
NT1 Hydroxylases
NT2 Tyrosinase
NT1 Luciferase
NT1 Nitro-Group Dehydrogenases
NT2 Nitrogenase
NT2 Nitroreductases
NT2 Uricase
NT1 Nucleotide Dehydrogenases
NT2 Diaphorase
NT1 Oxygenases
NT2 Mixed-Function Oxidases
NT2 Tryptophan Oxygenase
NT1 Peroxidases
NT2 Catalase
NT1 Superoxide Dismutase
RT Oxidation
RT Redox Process
RT Reduction

OXIMES [01]
DA December 1, 1974
BT1 Amines
BT2 Organic Compounds
BT1 Hydroxy Compounds
BT2 Organic Compounds
BT1 Organic Nitrogen Compounds
BT2 Organic Compounds
NT1 Benzoinoxime
NT1 Dimethylglyoxime
NT1 Furildioxime
RT Aldehydes
RT Hydroxylamine
RT Ketones

OXINE [01]
DA April 15, 1975
UF *8-Hydroxyquinoline*
UF *8-Quinolinol*
BT1 Hydroxy Compounds
BT2 Organic Compounds
BT1 Quinolines
BT2 Azaarenes

BT3 Aromatics
BT4 Organic Compounds
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
BT2 Pyridines
BT3 Azines
BT4 Heterocyclic Compounds
BT5 Organic Compounds
BT4 Organic Nitrogen Compounds
BT5 Organic Compounds

Oxirans
DA December 1, 1974
USE Epoxides

Oxoacetic Acid
DA December 1, 1974
USE Glyoxylic Acid

Oxocarboxylic Acids
DA December 1, 1974
USE Keto Acids

OXONIUM IONS [01]
DA December 1, 1974
UF *Hydronium Ions*
BT1 Molecular Ions
BT2 Ions
BT3 Charged Particles
RT Hydrogen Ions 1 Plus
RT Radiation Chemistry

Oxopropane
DA December 1, 1974
USE Acetone

OXY MODIFIED IN-SITU PROCESS
(Before March 7, 1977 GARRETT PROCESS was used for this process.)
DA March 8, 1977
UF *Garrett Process*
BT1 Modified In-Situ Processes
RT Oil Shales

OXYBROMIDES [01]
DA December 1, 1974
BT1 Bromine Compounds
BT2 Halogen Compounds
BT1 Oxyhalides
BT2 Halogen Compounds
BT2 Oxygen Compounds
RT Bromides
RT Bromine Oxides
RT Oxides

OXYCARBIDES [01]
DA June 7, 1976
BT1 Carbon Compounds
BT1 Oxygen Compounds
RT Carbides
RT Oxides

OXYCHLORIDES [01]
DA December 1, 1974
BT1 Chlorine Compounds
BT2 Halogen Compounds
BT1 Oxyhalides
BT2 Halogen Compounds
BT2 Oxygen Compounds
RT Chlorides
RT Chlorine Oxides
RT Oxides

OXYFLUORIDES [01]
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
DA December 1, 1974
BT1 Fluorine Compounds
BT2 Halogen Compounds
BT1 Oxyhalides
BT2 Halogen Compounds
BT2 Oxygen Compounds
RT Fluorides
RT Oxides

OXYGEN [01]
DA December 1, 1974
UF+ *Dissolved Oxygen*
UF+ *Oxygen Effect (Radiobiology)*
BT1 Nonmetals
BT2 Elements
RT Anoxia
RT Biochemical Oxygen Demand
RT Chemical Oxygen Demand
RT Cryogenic Fluids
RT Ozone

OXYGEN 12 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Oxygen Isotopes
BT2 Isotopes

OXYGEN 13 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Oxygen Isotopes
BT2 Isotopes

OXYGEN 14 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
3T3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Oxygen Isotopes
BT2 Isotopes

→**OXYGEN 14 REACTIONS [01]**
DA February 21, 1992
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

OXYGEN 15 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Oxygen Isotopes
BT2 Isotopes

OXYGEN 15 TARGET [01]
DA July 12, 1976
BT1 Targets

OXYGEN 16 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Oxygen Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes
RT Oxygen 16 Beams
RT Oxygen 16 Reactions

OXYGEN 16 BEAMS [01]
DA December 1, 1974
BT1 Ion Beams
BT2 Beams
RT Oxygen 16

→**OXYGEN 16 EMISSION DECAY [01]**
DA September 13, 1991
BT1 Heavy Ion Emission Decay
BT2 Nuclear Decay
BT3 Decay

OXYGEN 16 REACTIONS [01]
DA December 1, 1974
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions
RT Oxygen 16

OXYGEN 16 TARGET [01]
DA July 9, 1976
BT1 Targets

OXYGEN 17 [01]
DA December 1, 1974
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Oxygen Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes
RT Oxygen 17 Reactions

OXYGEN 17 REACTIONS [01]
DA December 1, 1974
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions
RT Oxygen 17

OXYGEN 17 TARGET [01]
DA July 9, 1976
BT1 Targets

OXYGEN 18 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Oxygen Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes
RT Oxygen 18 Beams
RT Oxygen 18 Reactions

OXYGEN 18 BEAMS [01]
DA December 1, 1974
BT1 Ion Beams
BT2 Beams
RT Oxygen 18

OXYGEN 18 REACTIONS [01]
DA December 1, 1974
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions
RT Oxygen 18

OXYGEN 18 TARGET [01]
DA July 9, 1976
BT1 Targets

OXYGEN 19 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Oxygen Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

OXYGEN 20 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Oxygen Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

OXYGEN 21 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Oxygen Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

OXYGEN 22 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Oxygen Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

OXYGEN 23 [01]
DA January 24, 1975
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Oxygen Isotopes
BT2 Isotopes

OXYGEN 24 [01]
DA May 1, 1978
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Oxygen Isotopes
BT2 Isotopes

OXYGEN 28 [01]
DA March 28, 1979
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Oxygen Isotopes
BT2 Isotopes

OXYGEN ADDITIONS [01]
DA December 1, 1974
RT Oxides

OXYGEN COMPLEXES [01]
DA December 1, 1974
BT1 Complexes

OXYGEN COMPOUNDS [01]
DA December 1, 1974
UF+ *Polythionates*
UF+ *Polythionic Acids*
NT1 Aluminates
NT1 Antimonates
NT1 Arsenates
NT1 Aurates
NT1 Borates
NT2 Borax
NT1 Boric Acid
NT1 Bromates
NT1 Bromic Acid
NT1 Carbonates
NT2 Americium Carbonates
NT2 Ammonium Carbonates
NT3 AUC
NT2 Barium Carbonates
NT2 Berkelium Carbonates
NT2 Beryllium Carbonates
NT2 Bismuth Carbonates
NT2 Cadmium Carbonates
NT2 Calcium Carbonates
NT3 Ankerite
NT3 Ferroan
NT3 Shortite
NT3 Travertine
NT2 Cerium Carbonates
NT2 Cesium Carbonates
NT2 Cobalt Carbonates
NT2 Copper Carbonates
NT2 Curium Carbonates
NT2 Erbium Carbonates
NT2 Europium Carbonates
NT2 Gadolinium Carbonates
NT2 Holmium Carbonates
NT2 Iron Carbonates
NT3 Ankerite
NT3 Ferroan
NT3 Siderite
NT2 Lanthanum Carbonates
NT2 Lead Carbonates
NT2 Lithium Carbonates
NT2 Lutetium Carbonates
NT2 Magnesium Carbonates
NT3 Ankerite
NT3 Ferroan
NT2 Manganese Carbonates
NT3 Ankerite
NT2 Molybdenum Carbonates
NT2 Neodymium Carbonates
NT2 Neptunium Carbonates
NT2 Nickel Carbonates
NT2 Plutonium Carbonates
NT2 Polycarbonates
NT2 Potassium Carbonates
NT2 Praseodymium Carbonates
NT2 Radium Carbonates
NT2 Rhenium Carbonates
NT2 Rubidium Carbonates
NT2 Samarium Carbonates
NT2 Scandium Carbonates
NT2 Silver Carbonates
NT2 Sodium Carbonates
NT3 Dawsonite
NT3 Nahcolite
NT3 Shortite
NT3 Trona
NT2 Strontium Carbonates
NT2 Terbium Carbonates
NT2 Thallium Carbonates
NT2 Thorium Carbonates
NT2 Uranium Carbonates
NT3 Diderichite
NT3 Sharpite
NT2 Uranyl Carbonates
NT2 Ytterbium Carbonates
NT2 Yttrium Carbonates
NT2 Zinc Carbonates
NT2 Zirconium Carbonates
NT1 Carbonic Acid
NT1 Chlorates
NT1 Chloric Acid
NT1 Chlorous Acid
NT1 Chromates
NT1 Chromic Acid
NT1 Cuprates
NT1 Dichromates
NT1 Ferrates
NT1 Ferrites
NT1 Fluorates
NT1 Germanates
NT2 Bismuth Germanates
NT1 Hafnates
* NT1 Hydroxides
NT1 Hypoiodous Acid
NT1 Iodates
NT1 Iodic Acid
NT1 Manganates
NT1 Molybdates
NT1 Molybdophosphoric Acid
NT1 Nickelates
NT1 Niobates
* NT1 Nitrates
NT1 Nitrites
NT1 Oxides
NT2 Actinium Oxides
NT2 Aluminium Oxides
NT2 Americium Oxides
NT2 Antimony Oxides
NT2 Argon Oxides
NT2 Arsenic Oxides
NT3 Hallimondite
NT3 Heinrichite
NT3 Kahlerite
NT3 Kirchheimerite
NT3 Novacekite
NT2 Barium Oxides
NT3 Billietite
NT3 Heinrichite
NT2 Berkelium Oxides
NT2 Beryllium Oxides
NT2 Bismuth Oxides
NT2 Boron Oxides
NT2 Bromine Oxides
NT2 Cadmium Oxides
NT2 Calcium Oxides
NT3 Ellsworthite
NT3 Melanovanadite
NT3 Pascoite
NT3 Rauvite
NT2 Californium Oxides
NT2 Carbon Oxides
NT3 Carbon Dioxide
NT3 Carbon Monoxide
NT2 Cerium Oxides
NT2 Cesium Oxides
NT2 Chlorine Oxides
NT2 Chromium Oxides
NT2 Cobalt Oxides
NT3 Kirchheimerite
NT2 Copper Oxides
NT3 Sengierite
NT2 Curium Oxides
NT2 Dysprosium Oxides
NT2 Einsteinium Oxides
NT2 Erbium Oxides
NT2 Europium Oxides
NT2 Fermium Oxides
NT2 Fluorine Oxides
NT2 Francium Oxides
NT2 Gadolinium Oxides
NT2 Gallium Oxides
NT2 Germanium Oxides
NT2 Gold Oxides
NT2 Hafnium Oxides
NT2 Helium Oxides
NT2 Holmium Oxides
NT2 Indium Oxides
NT2 Iodine Oxides
NT2 Iridium Oxides
NT2 Iron Oxides
NT3 Kahlerite
NT3 Tapiolite
NT2 Krypton Oxides
NT2 Lanthanum Oxides
NT2 Lawrencium Oxides
NT2 Lead Oxides
NT3 Hallimondite
NT3 Moctezumite
NT2 Lithium Oxides
NT2 Lutetium Oxides
NT2 Magnesium Oxides
NT3 Novacekite
NT2 Manganese Oxides
NT2 Mendelevium Oxides
NT2 Mercury Oxides
NT2 Molybdenum Oxides
NT3 Molybdenum Blue
NT2 Neodymium Oxides
NT2 Neon Oxides
NT2 Neptunium Oxides
NT2 Nickel Oxides

NT2 Niobium Oxides
NT3 Ellsworthite
NT3 Lyndochite
NT3 Marignacite
NT3 Tapiolite
NT2 Nitrogen Oxides
NT3 Nitric Oxide
NT3 Nitrogen Dioxide
NT3 Nitrous Oxide
NT2 Nobelium Oxides
NT2 Osmium Oxides
NT2 Palladium Oxides
NT2 Phosphorus Oxides
NT2 Platinum Oxides
NT2 Plutonium Oxides
NT3 Plutonium Dioxide
NT2 Polonium Oxides
NT2 Potassium Oxides
NT3 Compreignacite
NT2 Praseodymium Oxides
NT2 Promethium Oxides
NT2 Protactinium Oxides
NT2 Radium Oxides
NT2 Radon Oxides
NT2 Rhenium Oxides
NT2 Rhodium Oxides
NT2 Rubidium Oxides
NT2 Ruthenium Oxides
NT2 Samarium Oxides
NT2 Scandium Oxides
NT2 Selenium Oxides
NT3 Guilleminite
NT2 Silicon Oxides
NT3 Silica
NT4 Opals
NT2 Silver Oxides
NT2 Sodium Oxides
NT3 Sodium Tungsten Bronze
NT2 Strontium Oxides
NT2 Sulfur Oxides
NT3 Sulfur Dioxide
NT3 Sulfur Trioxide
NT2 Tantalum Oxides
NT3 Tapiolite
NT2 Technetium Oxides
NT2 Tellurium Oxides
NT3 Moctezumite
NT2 Terbium Oxides
NT2 Thallium Oxides
NT2 Thorium Oxides
NT3 Lodochnikite
NT3 Lyndochite
NT3 Naegite
NT3 Thorotrast
NT2 Thulium Oxides
NT2 Tin Oxides
NT2 Titanium Oxides
NT3 Lodochnikite
NT3 Marignacite
NT2 Tritium Oxides
NT2 Tungsten Oxides
NT3 Sodium Tungsten Bronze
NT2 Uranium Oxides
NT3 Billietite
NT3 Compreignacite
NT3 Ferghanite
NT3 Guilleminite
NT3 Hallimondite
NT3 Heinrichite
NT3 Ianthinite
NT3 Kahlerite
NT3 Kirchheimerite
NT3 Lodochnikite
NT3 Moctezumite
NT3 Naegite
NT3 Novacekite
NT3 Para-Schoepite
NT3 Rauvite
NT3 Sengierite
NT3 Uranium Dioxide
NT3 Uranium Oxides U3O8
NT3 Uranium Trioxide
NT2 Vanadium Oxides
NT3 Corvusite
NT3 Ferghanite
NT3 Melanovanadite
NT3 Pascoite
NT3 Rauvite
NT3 Sengierite
NT2 Xenon Oxides
NT2 Ytterbium Oxides
NT2 Yttrium Oxides
NT3 Alloy-IN-853
NT2 Zinc Oxides
NT2 Zirconium Oxides
NT3 Marignacite
NT3 Naegite
NT3 Nogizawaite
NT1 Oxycarbides
NT1 Oxyhalides
NT2 Oxybromides
NT2 Oxychlorides
NT2 Oxyfluorides
NT2 Oxyiodides
NT1 Oxynitrates
NT1 Oxyselenides
NT1 Oxysulfides
NT1 Oxytellurides
NT1 Perbromates
* NT1 Perchlorates
NT1 Periodates
NT1 Periodic Acid
NT1 Permanganates
NT2 Potassium Permanganates
NT1 Peroxides
NT2 Benzoyl Peroxide
NT2 Hydrogen Peroxide
NT2 Plutonium Peroxide
NT2 Uranium Peroxide
NT1 Perrhenates
NT1 Persulfates
NT1 Pertechnetates
* NT1 Phosphates
NT1 Phosphine Oxides
NT2 CMPO
NT2 TOPO
NT2 TPO
NT1 Plumbates
NT1 Pyrophosphates
NT1 Rhenates
NT1 Selenates
NT1 Selenites
* NT1 Silicates
NT1 Stannates
NT2 Cadmium Stannates
* NT1 Sulfates
NT1 Sulfites
NT2 Acid Sulfites
NT1 Tantalates
NT1 Technetates
NT1 Tellurates
NT1 Titanates
NT2 Cadmium Titanates
NT2 PLZT
NT2 PZT
NT2 Strontium Titanates
NT1 Tungstophosphates
NT1 Vanadates
NT2 Potassium Vanadates
NT2 Uranium Vanadates
NT3 Carnotite
NT3 Strelkinite
NT1 Water
NT2 Drinking Water
NT2 Feedwater
NT2 Fresh Water
NT2 Ground Water
NT3 Interstitial Water
NT4 Connate Water
NT3 Magmatic Water
NT3 Meteoric Water
NT2 Heavy Water
NT2 Hot Water
NT2 Rain Water
NT3 Throughfall
NT2 Seawater
NT2 Waste Water
NT3 Shale Tar Water
NT1 Zirconates
NT2 PLZT
NT2 PZT
RT Cyanates
RT Hydroxyl Radicals
RT Organic Oxygen Compounds
RT Ozone

Oxygen Effect (Radiobiology)
DA December 1, 1974
USE Oxygen
AND Response Modifying Factors

OXYGEN ENHANCEMENT RATIO [01]
DA December 1, 1974
UF *OER*
RT Anaerobic Conditions
RT Biological Radiation Effects
RT LET
RT Quality Factor
RT RBE
RT Response Modifying Factors

OXYGEN ENRICHMENT
DA July 24, 1979
BT1 Enrichment
RT Fuel Systems
RT Fuel-Air Ratio

Oxygen Fluorides
DA December 1, 1974
USE Fluorine Oxides

Oxygen Hydrides
DA December 1, 1974
USE Water

OXYGEN IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

OXYGEN ISOTOPES [01]
DA December 1, 1974
BT1 Isotopes
NT1 Oxygen 12
NT1 Oxygen 13
NT1 Oxygen 14
NT1 Oxygen 15
NT1 Oxygen 16
NT1 Oxygen 17
NT1 Oxygen 18
NT1 Oxygen 19
NT1 Oxygen 20
NT1 Oxygen 21
NT1 Oxygen 22
NT1 Oxygen 23
NT1 Oxygen 24
NT1 Oxygen 28

Oxygen Logs
DA March 27, 1979
USE Neutron-Gamma Logging

OXYGEN METERS [01]
DA December 1, 1974
BT1 Meters
BT2 Measuring Instruments
RT Chemical Analysis

OXYGEN PLANTS
DA March 17, 1981
BT1 Industrial Plants
RT MOLTOX Oxygen Process
DEF Large capacity plants for liquefying air and separating oxygen, e.g., for coal gasification.

OXYGEN POTENTIAL [01]
DA April 17, 1981
BT1 Free Enthalpy
BT2 Energy
BT2 Thermodynamic Properties
BT3 Physical Properties
DEF Partial molar free enthalpy of oxygen in an oxide phase.

OXYGENASES [01]
(Code number 1.13)
DA January 12, 1981
BT1 Oxidoreductases
BT2 Enzymes
BT3 Proteins
BT4 Organic Compounds
NT1 Mixed-Function Oxidases
NT1 Tryptophan Oxygenase

OXYHALIDES [01]
DA December 8, 1989
BT1 Halogen Compounds
BT1 Oxygen Compounds
NT1 Oxybromides
NT1 Oxychlorides
NT1 Oxyfluorides
NT1 Oxyiodides

OXYIODIDES [01]
DA December 1, 1974
BT1 Iodine Compounds
BT2 Halogen Compounds

BT1 Oxyhalides
BT2 Halogen Compounds
BT2 Oxygen Compounds
RT Iodides
RT Iodine Oxides
RT Oxides

Oxymethylene
DA December 1, 1974
USE Formaldehyde

OXYNITRATES
DA January 2[illegible], 1975
BT1 Nitrogen Compounds
BT1 Oxygen Compounds
RT Nitrates
RT Oxides

OXYSELENIDES
DA February 6, 1975
BT1 Oxygen Compounds
BT1 Selenium Compounds
RT Oxides
RT Selenides

OXYSULFIDES [01]
DA December 1, 1974
BT1 Oxygen Compounds
BT1 Sulfur Compounds
RT Oxides
RT Sulfides

OXYTELLURIDES
DA February 6, 1975
BT1 Oxygen Compounds
BT1 Tellurium Compounds
RT Oxides
RT Tellurides

OXYTETRACYCLINE [01]
DA December 1, 1974
UF *Terramycin*
BT1 Tetracyclines
BT2 Antibiotics
BT3 Anti-Infective Agents
BT4 Drugs

OXYTOCIN [01]
DA December 1, 1974
BT1 Pituitary Hormones
BT2 Peptide Hormones
BT3 Hormones
BT3 Proteins
BT4 Organic Compounds
RT Parturition
RT Uterus

OYSTER CREEK-1 REACTOR [01]
(Forked River, New Jersey, USA)
DA December 1, 1974
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

Oyster Creek-2 Reactor
DA December 1, 1974
USE Forked River-1 Reactor

OYSTERS [01]
DA December 1, 1974
BT1 Molluscs
BT2 Aquatic Organisms
BT2 Invertebrates
BT3 Animals
RT Seafood

OZARK REGION
DA March 9, 1978
RT Arkansas
RT Kansas
RT Louisiana
RT Missouri
RT Oklahoma
RT USA

OZONE [01]
DA December 1, 1974
RT Atmospheric Chemistry
RT Oxygen
RT Oxygen Compounds
RT Ozonization

OZONE LAYER [01]
DA May 3, 1979
BT1 Layers
RT Chlorofluorocarbons
RT Climatic Change
RT Stratosphere

OZONIZATION [01]
DA July 9, 1980
BT1 Chemical Reactions
RT Ozone

P1-APPROXIMATION [01]
DA December 1, 1974
BT1 Spherical Harmonics Method
BT2 Calculation Methods
RT Boltzmann Equation
RT Perturbation Theory

P2-APPROXIMATION [01]
DA December 1, 1974
BT1 Spherical Harmonics Method
BT2 Calculation Methods

P3-APPROXIMATION [01]
DA December 1, 1974
BT1 Spherical Harmonics Method
BT2 Calculation Methods
RT Boltzmann Equation
RT Perturbation Theory

P CODES [01]
DA December 1, 1974
BT1 Computer Codes

P INVARIANCE [01]
DA December 1, 1974
UF *Parity Nonconservation*
UF *Space Reflection*
BT1 Invariance Principles
RT Lee-Yang Theory
RT Parity

P-N Counters
DA December 1, 1974
USE Junction Detectors

P-N JUNCTIONS [01]
DA January 28, 1975
BT1 Semiconductor Junctions
BT2 Junctions
RT Semiconductor Materials

P REACTOR [01]
DA December 1, 1974
UF *Savannah River Plant P Reactor*
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Special Production Reactors
BT2 Production Reactors
BT3 Reactors

P STATES [01]
DA December 1, 1974
BT1 Energy Levels

P-TYPE CONDUCTORS [01]
DA December 1, 1974
BT1 Semiconductor Materials
BT2 Materials

P WAVES [01]
(For seismic waves use SEISMIC P WAVES.)
DA December 1, 1974
BT1 Partial Waves
RT Angular Momentum
RT Quantum Mechanics

P Waves (Seismic)
DA December 1, 1974
USE Seismic P Waves

PABA [01]
DA December 1, 1974
UF *Aminobenzoic Acid-para*
UF *Para-Aminobenzoic Acid*
UF *Vitamin H-1*
BT1 Amino Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
RT Folic Acid
RT Vitamin B Group

Pacemakers
DA December 1, 1974
USE Cardiac Pacemakers

Pacific Gas Diablo Canyon-1 Reactor
DA December 1, 1974
USE Diablo Canyon-1 Reactor

Pacific Gas Diablo Canyon-2 Reactor
DA December 1, 1974
USE Diablo Canyon-2 Reactor

Pacific Islands
DA December 11, 1978
USE Oceania

Pacific Northwest Laboratories
DA September 10, 1982
USE Battelle Pacific Northwest Laboratories

Pacific Northwest Region
(Prior to June 1982 this was a valid descriptor.)
DA July 6, 1978
USE USA

PACIFIC OCEAN [01]
DA December 1, 1974
BT1 Seas
BT2 Surface Waters
NT1 Bering Sea
NT1 China Sea
NT1 Gulf of Alaska
NT1 Gulf of California
NT1 Humboldt Bay
NT1 Puget Sound
NT1 San Francisco Bay
NT1 Santa Barbara Channel
NT1 Sequim Bay
RT Aleutian Islands
RT Fiji
RT Hawaii
RT Indonesia
RT Kiribati
RT Kurile Islands
RT Marshall Islands
RT Micronesia
RT Nauru
RT New Guinea
RT New Hebrides Islands
RT New Zealand
RT Philippines
RT Singapore
RT Southern Oscillation
RT Tasmania
RT Trust Territory of the Pacific Islands
RT Tuvalu
RT US West Coast

PACKAGE REACTORS [01]
DA December 1, 1974
BT1 Power Reactors
BT2 Reactors
BT1 Transportable Reactors
BT2 Reactors
DEF Compact power reactors specially designed to simplify shipping assembly.

PACKAGING [01]
DA December 1, 1974
RT Containers
RT Packaging Rules
RT Transport

PACKAGING RULES [01]
(Including Labelling.)
DA March 8, 1978

BT1 Regulations
RT Packaging
RT Transport

Packed Bed
(Prior to April 1992, this was a valid descriptor.)
DA May 13, 1976
USE Packed Beds

PACKED BEDS [01]
(Prior to April 1992 this subject was indexed to PACKED BED.)
DA April 1, 1992
UF *Fixed Bed*
UF *Packed Bed*
RT Ebullated Bed
RT Fluidized Beds
RT MERC Process

Packing
DA June 6, 1979
USE Stowing

PACKINGS
DA February 20, 1975
UF *Cooling Tower Packing Grids*
NT1 Column Packing
RT Cooling Towers
RT Natural Gas Wells
RT Oil Wells

PAD DISTRICTS
DA September 27, 1979
UF *Petroleum Administration for Defense Districts*
RT Petroleum
RT USA

PADE APPROXIMATION [01]
DA December 1, 1974
RT Series Expansion

PADUCAH PLANT [01]
DA December 1, 1974
BT1 Gaseous Diffusion Plants
BT2 Isotope Separation Plants
BT3 Industrial Plants
BT3 Nuclear Facilities
BT1 US AEC
BT2 US Organizations
BT3 National Organizations
BT1 US DOE
BT2 US Organizations
BT3 National Organizations
BT1 US ERDA
BT2 US Organizations
BT3 National Organizations

PAEC
DA October 19, 1977
USE Philippine Atomic Energy Commission

PAH
DA August 24, 1976
USE Polycyclic Aromatic Hydrocarbons

PAIN [01]
DA December 1, 1974
BT1 Symptoms
RT Analgesics
RT Anesthesia
RT Nervous System

PAINTS [01]
DA December 1, 1974
BT1 Coatings
NT1 Luminous Paints
RT Corrosion Protection
RT Pigments

PAIR PRODUCTION [01]
DA December 1, 1974
UF *Production (Pair)*
BT1 Interactions
BT1 Particle Production
NT1 Internal Pair Production
RT Bethe-Heitler Theory
RT Electron Pairs
RT Ion Pairs
RT Muon Pairs

PAIR SPECTROMETERS [01]
DA December 1, 1974
BT1 Gamma Spectrometers
BT2 Spectrometers
BT3 Measuring Instruments

PAIRING ENERGY [01]
DA December 1, 1974
BT1 Binding Energy
BT2 Energy

PAIRING INTERACTIONS [01]
DA December 1, 1974
BT1 Interactions
RT Generator-Coordinate Method

PAKHRA SYNCHROTRON [01]
DA December 1, 1974
BT1 Synchrotrons
BT2 Cyclic Accelerators
BT3 Accelerators

PAKISTAN [01]
DA December 1, 1974
BT1 Asia
BT1 Developing Countries

Pakistan (East)
DA May 17, 1976
USE Bangladesh

Pakistan Atomic Research Reactor
DA December 1, 1974
USE PARR Reactor

PAKS-1 REACTOR [01]
(Paks, Tolna, Hungary)
DA December 1, 1974
UF *Hungarian Paks-1 Reactor*
BT1 WWER Type Reactors
BT2 PWR Type Reactors
BT3 Enriched Uranium Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors
BT3 Thermal Reactors
BT4 Reactors
BT3 Water Cooled Reactors
BT4 Reactors
BT3 Water Moderated Reactors
BT4 Reactors

PAKS-2 REACTOR [01]
(Paks, Tolna, Hungary)
DA December 1, 1974
UF *Hungarian Paks-2 Reactor*
BT1 WWER Type Reactors
BT2 PWR Type Reactors
BT3 Enriched Uranium Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors
BT3 Thermal Reactors
BT4 Reactors
BT3 Water Cooled Reactors
BT4 Reactors
BT3 Water Moderated Reactors
BT4 Reactors

PAKS-3 REACTOR [01]
(Paks, Tolna, Hungary)
DA August 12, 1980
UF *Hungarian PAKS-3 Reactor*
BT1 WWER Type Reactors
BT2 PWR Type Reactors
BT3 Enriched Uranium Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors
BT3 Thermal Reactors
BT4 Reactors
BT3 Water Cooled Reactors
BT4 Reactors
BT3 Water Moderated Reactors
BT4 Reactors

PAKS-4 REACTOR [01]
(Paks, Tolna, Hungary)
DA August 12, 1980
UF *Hungarian PAKS-4 Reactor*
BT1 WWER Type Reactors
BT2 PWR Type Reactors
BT3 Enriched Uranium Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors
BT3 Thermal Reactors
BT4 Reactors
BT3 Water Cooled Reactors
BT4 Reactors
BT3 Water Moderated Reactors
BT4 Reactors

PALANQUIN EVENT [01]
DA December 1, 1974
BT1 Cratering Explosions
BT2 Explosions
BT1 Underground Explosions
BT2 Explosions

PALAU [01]
DA December 1, 1974
BT1 Gold Base Alloys
BT2 Gold Alloys
BT3 Alloys
BT1 Palladium Alloys
BT2 Platinum Metal Alloys
BT3 Alloys

Palau Islands
DA May 21, 1983
USE Trust Territory of the Pacific Islands

Paleocene Epoch
DA October 20, 1977
USE Tertiary Period

PALEOCLIMATOLOGY [01]
DA July 25, 1986
BT1 Paleontology
RT Climate Models
RT Climates
RT Climatic Change
RT Fossils
RT Little Ice Age
DEF The study of climates in the geologic past, involving fossil, glacial, isotopic, or other data.

Paleogene Period
DA October 20, 1977
USE Tertiary Period

PALEOMAGNETISM
DA July 24, 1979
BT1 Magnetism
RT Geologic Ages
RT Geomagnetic Field
RT Plate Tectonics

PALEONTOLOGY [01]
DA December 1, 1974
NT1 Paleoclimatology
RT Age Estimation
RT Biological Evolution
RT Biological Extinction
RT Climate Models
RT Fossils
RT Paleotemperature
RT Palynology

PALEOTEMPERATURE
DA November 19, 1985
RT Paleontology
RT Temperature Measurement

PALEOZOIC ERA [01]
DA October 19, 1977
BT1 Geologic Ages
NT1 Cambrian Period
NT1 Carboniferous Period
NT1 Devonian Period
NT1 Ordovician Period
NT1 Permian Period
NT1 Silurian Period

PALIMPINON GEOTHERMAL FIELD [01]
DA February 23, 1984

UF *Southern Negros Geothermal Field*
BT1 Geothermal Fields
RT Philippines

PALISADES-1 REACTOR [01]
DA December 1, 1974
UF *Consumers Michigan Palisades Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

PALLADIUM [01]
DA December 1, 1974
BT1 Platinum Metals
BT2 Transition Elements
BT3 Metals
BT4 Elements

PALLADIUM 95 [01]
DA September 8, 1981
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Palladium Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

PALLADIUM 96 [01]
DA December 1, 1974
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Palladium Isotopes
BT2 Isotopes

PALLADIUM 97 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Palladium Isotopes
BT2 Isotopes

PALLADIUM 98 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Palladium Isotopes
BT2 Isotopes

PALLADIUM 99 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Palladium Isotopes
BT2 Isotopes

PALLADIUM 100 [01]
DA December 1, 1974
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Palladium Isotopes
BT2 Isotopes

PALLADIUM 101 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Palladium Isotopes
BT2 Isotopes

PALLADIUM 102 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Palladium Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

PALLADIUM 102 TARGET [01]
DA July 9, 1976
BT1 Targets

PALLADIUM 103 [01]
DA December 1, 1974
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Palladium Isotopes
BT2 Isotopes

PALLADIUM 104 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Palladium Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

PALLADIUM 104 TARGET [01]
DA July 9, 1976
BT1 Targets

PALLADIUM 105 [01]
DA December 1, 1974
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Palladium Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

PALLADIUM 105 TARGET [01]
DA July 9, 1976
BT1 Targets

PALLADIUM 106 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Palladium Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

PALLADIUM 106 TARGET [01]
DA July 9, 1976
BT1 Targets

PALLADIUM 107 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Palladium Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

PALLADIUM 107 TARGET [01]
DA November 28, 1977
BT1 Targets

PALLADIUM 108 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Palladium Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

PALLADIUM 108 TARGET [01]
DA July 9, 1976
BT1 Targets

PALLADIUM 109 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Palladium Isotopes
BT2 Isotopes

PALLADIUM 110 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Palladium Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

→**PALLADIUM 110 REACTIONS [01]**
DA February 21, 1992
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

PALLADIUM 110 TARGET [01]
DA July 9, 1976
BT1 Targets

PALLADIUM 111 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Palladium Isotopes
BT2 Isotopes

PALLADIUM 112 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Palladium Isotopes
BT2 Isotopes

PALLADIUM 113 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Palladium Isotopes
BT2 Isotopes

PALLADIUM 114 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Palladium Isotopes
BT2 Isotopes

PALLADIUM 115 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Palladium Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

PALLADIUM 116 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Palladium Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

PALLADIUM 117 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Palladium Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

PALLADIUM 118 [01]
DA May 5, 1975
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Palladium Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
RT Palladium 118 Reactions

PALLADIUM 118 REACTIONS [01]
DA July 18, 1979
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions
RT Palladium 118

PALLADIUM 118 TARGET [01]
DA July 18, 1979
BT1 Targets

→**PALLADIUM 119 [01]**
DA April 9, 1991
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Palladium Isotopes
BT2 Isotopes

→**PALLADIUM 120 [01]**
DA July 6, 1993
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Palladium Isotopes
BT2 Isotopes

PALLADIUM ADDITIONS [01]
DA December 1, 1974
BT1 Palladium Alloys
BT2 Platinum Metal Alloys
BT3 Alloys

PALLADIUM ALLOYS [01]
DA December 1, 1974
BT1 Platinum Metal Alloys
BT2 Alloys
NT1 Palau
NT1 Palladium Additions
NT1 Palladium Base Alloys

PALLADIUM ARSENIDES [01]
DA July 7, 1976
BT1 Arsenides
BT2 Arsenic Compounds
BT2 Pnictides
BT1 Palladium Compounds
BT2 Transition Element Compounds

PALLADIUM BASE ALLOYS [01]
DA December 1, 1974
BT1 Palladium Alloys
BT2 Platinum Metal Alloys
BT3 Alloys

PALLADIUM BORIDES [01]
DA January 21, 1975
BT1 Borides
BT2 Boron Compounds
BT1 Palladium Compounds
BT2 Transition Element Compounds

PALLADIUM BROMIDES [01]
DA March 5, 1979
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Palladium Compounds
BT2 Transition Element Compounds

PALLADIUM CARBIDES [01]
DA December 1, 1974
BT1 Carbides
BT2 Carbon Compounds
BT1 Palladium Compounds
BT2 Transition Element Compounds

PALLADIUM CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Palladium Compounds
BT2 Transition Element Compounds

PALLADIUM COMPLEXES [01]
DA December 1, 1974
BT1 Transition Element Complexes
BT2 Complexes

PALLADIUM COMPOUNDS [01]
DA December 1, 1974
UF+ *Palladium Nitrates*
BT1 Transition Element Compounds
NT1 Palladium Arsenides
NT1 Palladium Borides
NT1 Palladium Bromides
NT1 Palladium Carbides
NT1 Palladium Chlorides
NT1 Palladium Fluorides
NT1 Palladium Hydrides
NT1 Palladium Hydroxides
NT1 Palladium Iodides
NT1 Palladium Nitrides
NT1 Palladium Oxides
NT1 Palladium Phosphides
NT1 Palladium Selenides
NT1 Palladium Silicides
NT1 Palladium Sulfides
NT1 Palladium Tellurides

PALLADIUM FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Palladium Compounds
BT2 Transition Element Compounds

PALLADIUM HYDRIDES [01]
DA December 1, 1974
BT1 Hydrides
BT2 Hydrogen Compounds
BT1 Palladium Compounds
BT2 Transition Element Compounds

PALLADIUM HYDROXIDES [01]
DA May 25, 1979
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds
BT1 Palladium Compounds
BT2 Transition Element Compounds

PALLADIUM IODIDES [01]
DA December 1, 1974
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds
BT1 Palladium Compounds
BT2 Transition Element Compounds

PALLADIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

PALLADIUM ISOTOPES [01]
DA December 1, 1974
BT1 Isotopes
NT1 Palladium 95
NT1 Palladium 96
NT1 Palladium 97
NT1 Palladium 98
NT1 Palladium 99
NT1 Palladium 100
NT1 Palladium 101
NT1 Palladium 102
NT1 Palladium 103
NT1 Palladium 104
NT1 Palladium 105
NT1 Palladium 106
NT1 Palladium 107
NT1 Palladium 108
NT1 Palladium 109
NT1 Palladium 110
NT1 Palladium 111
NT1 Palladium 112
NT1 Palladium 113
NT1 Palladium 114
NT1 Palladium 115
NT1 Palladium 116
NT1 Palladium 117
NT1 Palladium 118
NT1 Palladium 119
NT1 Palladium 120

Palladium Nitrates
(Prior to January 1993, this was a valid descriptor.)
DA October 20, 1978
USE Nitrates
AND Palladium Compounds

PALLADIUM NITRIDES
DA December 16, 1975
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides
BT1 Palladium Compounds
BT2 Transition Element Compounds

PALLADIUM OXIDES [01]
DA December 1, 1974
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds
BT1 Palladium Compounds
BT2 Transition Element Compounds

PALLADIUM PHOSPHIDES [01]
DA October 1, 1975
BT1 Palladium Compounds
BT2 Transition Element Compounds
BT1 Phosphides
BT2 Phosphorus Compounds
BT2 Pnictides

PALLADIUM SELENIDES [01]
DA March 11, 1976
BT1 Palladium Compounds
BT2 Transition Element Compounds
BT1 Selenides
BT2 Chalcogenides
BT2 Selenium Compounds

PALLADIUM SILICIDES [01]
DA February 19, 1976
BT1 Palladium Compounds
BT2 Transition Element Compounds
BT1 Silicides
BT2 Silicon Compounds

PALLADIUM SULFIDES [01]
DA January 21, 1975
BT1 Palladium Compounds
BT2 Transition Element Compounds
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds

PALLADIUM TELLURIDES [01]
DA June 7, 1976
BT1 Palladium Compounds
BT2 Transition Element Compounds
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds

Palmitic Acid
DA December 1, 1974
USE Hexadecanoic Acid

PALO DURO BASIN [01]
DA February 10, 1984
BT1 Permian Basin
RT Radioactive Waste Disposal
RT Texas

PALO VERDE-1 REACTOR [01]
(Wintersburg, Arizona)
DA January 23, 1975
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
RT CE Standard Reactor

PALO VERDE-2 REACTOR [01]
(Wintersburg, Arizona)
DA January 23, 1975
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
RT CE Standard Reactor

PALO VERDE-3 REACTOR [01]
(Wintersburg, Arizona)
DA January 23, 1975
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
RT CE Standard Reactor

PALO VERDE-4 REACTOR [01]
(Wintersburg, Arizona)
DA June 14, 1978
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
RT CE Standard Reactor

PALO VERDE-5 REACTOR [01]
(Wintersburg, Arizona)
DA June 14, 1978
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
RT CE Standard Reactor

PALUEL-1 REACTOR [01]
DA June 13, 1981
BT1 PWR Type Reactors

BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

PALUEL-2 REACTOR [01]
DA August 4, 1981
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

PALUEL-3 REACTOR [01]
DA August 4, 1981
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

PALUEL-4 REACTOR [01]
DA August 4, 1981
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

PALYNOLOGY
DA January 15, 1986
RT Paleontology
RT Pollen
RT Stratigraphy
DEF The study of pollen and spores of plants, including their dispersal and applications in stratigraphy and paleoecology.

PAMCO PROCESS
DA January 23, 1975
BT1 Coal Liquefaction
BT2 Liquefaction
BT3 Thermochemical Processes
DEF Spencer Chemical Company process for direct catalytic conversion of coal to synthetic crude oil by hydrogenation during and after solvent extraction.

PAMELA PLANT [01]
(Vitrification plant for high-level radioactive wastes in Mol, Belgium.)
DA February 16, 1988
BT1 Radioactive Waste Facilities
BT2 Nuclear Facilities
RT High-Level Radioactive Wastes
RT Pilot Plants
RT Radioactive Waste Processing
RT Vitrification

PAMPUS STORAGE RING [01]
(Photons for Atomic and Molecular Processes and Universal Studies storage ring facility in Amsterdam.)
DA November 10, 1977
BT1 Storage Rings

PAN [01]
DA December 1, 1974
UF *Pyridineazohydroxynaphthalene*
UF *Pyridylazonaphthol*
BT1 Diazo Compounds
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
BT1 Naphthols
BT2 Phenols
BT3 Aromatics
BT4 Organic Compounds
BT3 Hydroxy Compounds
BT4 Organic Compounds
BT1 Pyridines
BT2 Azines
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds

PANAMA [01]
DA December 1, 1974
BT1 Central America
BT2 Latin America
BT1 Developing Countries

PANAMA CANAL [01]
DA December 1, 1974
BT1 Surface Waters
RT Panama Canal Zone

PANAMA CANAL ZONE [01]
DA December 1, 1974
BT1 Central America
BT2 Latin America
RT Panama Canal

PANCREAS [01]
DA December 1, 1974
BT1 Digestive System
BT1 Endocrine Glands
BT2 Glands
BT3 Organs
BT4 Body
RT Amylase
RT Chymotrypsin
RT Glucagon
RT Insulin
RT Trypsin

PANELS
DA April 9, 1985
RT Underground Mining
RT Walls

Panindco Process
(Prior to July 1993, this was a valid descriptor.)
DA February 6, 1975
USE Coal Gasification
DEF Pulverized coal is fed into center of cylinder and surrounded by oxygen-steam or air-steam mixtures. Synthesis gas of 210 or 125 Btu/scf is produced.

PANOFSKY RATIO [01]
DA December 1, 1974
RT Capture
RT Charge-Exchange Interactions
RT Charge-Exchange Reactions
RT Photoproduction
DEF Charge exchange to capture ratio.

→**PANSTWOWA AGENCJA ATOMISTYKI [01]**
DA February 14, 1992
BT1 Polish Organizations
BT2 National Organizations

PANTEX PLANT [01]
DA November 17, 1976
BT1 US DOE
BT2 US Organizations
BT3 National Organizations
BT1 US ERDA
BT2 US Organizations
BT3 National Organizations
RT Texas

PANTOTHENIC ACID [01]
DA December 1, 1974
UF *Vitamin B-5*
BT1 Amino Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT1 Hydroxy Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT1 Vitamin B Group
BT2 Vitamins
RT Alanine-Beta

PAPAIN [01]
(Code number 3.4.22.2.)
DA December 1, 1974
BT1 SH-Proteinases
BT2 Peptide Hydrolases
BT3 Hydrolases
BT4 Enzymes
BT5 Proteins
BT6 Organic Compounds

PAPAVER SOMNIFERUM [01]
DA December 1, 1974
BT1 Magnoliopsida
BT2 Magnoliophyta
BT3 Plants
BT1 Medicinal Plants
BT2 Plants
RT Opium

PAPAYAS [01]
DA December 1, 1974
BT1 Fruits
BT2 Food

PAPER [01]
DA December 1, 1974
RT Dielectric Materials
RT Paper Industry

Paper Chromatography
DA December 1, 1974
USE Chromatography

PAPER INDUSTRY [01]
DA January 31, 1977
BT1 Wood Products Industry
BT2 Industry
RT Forestry
RT Paper
RT Printing and Publishing Industry
RT Wood

PAPP [01]
DA December 1, 1974
UF *Aminopropiophenone-para*
BT1 Amines
BT2 Organic Compounds
BT1 Ketones
BT2 Organic Compounds

Papua
DA October 25, 1978
USE Papua New Guinea

PAPUA NEW GUINEA [01]
(Prior to February 1992, items were indexed to NEW GUINEA.)
DA October 25, 1978
UF *Papua*
BT1 New Guinea
BT2 Asia
BT2 Australasia
BT2 Islands

Para-Aminobenzoic Acid
DA December 1, 1974
USE PABA

PARA-SCHOEPITE [01]
DA December 1, 1974
BT1 Oxide Minerals
BT2 Minerals
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials

BT1 Uranium Oxides
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT2 Uranium Compounds
BT3 Actinide Compounds

Parabanic Acid
DA December 1, 1974
USE Imidazoles
AND Organic Oxygen Compounds

PARABIOSIS [01]
DA December 1, 1974
BT1 Mosaicism
RT Blood Circulation

PARABOLAS
DA January 22, 1975
BT1 Shape

PARABOLIC COLLECTORS [01]
DA June 21, 1977
BT1 Concentrating Collectors
BT2 Solar Collectors
BT3 Solar Equipment
BT4 Equipment
NT1 Parabolic Dish Collectors
NT1 Parabolic Trough Collectors
RT Parabolic Reflectors

PARABOLIC DISH COLLECTORS [01]
DA October 25, 1978
UF *Circular Point Collectors*
UF *Parabolic Point Collectors*
BT1 Parabolic Collectors
BT2 Concentrating Collectors
BT3 Solar Collectors
BT4 Solar Equipment
BT5 Equipment
RT Parabolic Dish Reflectors

PARABOLIC DISH REFLECTORS
DA April 17, 1981
BT1 Parabolic Reflectors
BT2 Solar Reflectors
BT3 Solar Concentrators
BT4 Solar Equipment
BT5 Equipment
RT Parabolic Dish Collectors

Parabolic Point Collectors
DA October 25, 1978
USE Parabolic Dish Collectors

PARABOLIC REFLECTORS
DA January 24, 1975
BT1 Solar Reflectors
BT2 Solar Concentrators
BT3 Solar Equipment
BT4 Equipment
NT1 Parabolic Dish Reflectors
NT1 Parabolic Trough Reflectors
RT Cassegrainian Concentrators
RT Compound Parabolic Concentrators
RT Mirrors
RT Parabolic Collectors
RT Parabolic Trough Collectors
RT Reflection

PARABOLIC TROUGH COLLECTORS [01]
DA October 25, 1978
UF *Cylindrical Parabolic Collectors*
BT1 Parabolic Collectors
BT2 Concentrating Collectors
BT3 Solar Collectors
BT4 Solar Equipment
BT5 Equipment
RT Parabolic Reflectors
RT Parabolic Trough Reflectors

PARABOLIC TROUGH REFLECTORS
DA April 17, 1981
BT1 Parabolic Reflectors
BT2 Solar Reflectors
BT3 Solar Concentrators
BT4 Solar Equipment
BT5 Equipment
RT Parabolic Trough Collectors

PARACHARGE [01]
DA November 1, 1976
BT1 Particle Properties

PARACHUTES
DA April 15, 1975
RT Aerodynamics
RT Reentry

PARADISE STEAM PLANT
DA September 13, 1978
BT1 Fossil-Fuel Power Plants
BT2 Thermal Power Plants
BT3 Power Plants
RT Tennessee Valley Authority

PARADOX BASIN
DA March 19, 1984
RT Colorado
RT Radioactive Waste Disposal
RT Utah
DEF An area of about 10,000mi^2 in southeastern Utah and southwestern Colorado underlain by a series of salt-core anticlines.

PARAELECTRIC RESONANCE [01]
DA December 1, 1974
UF *PER*
BT1 Electric Resonance
BT2 Resonance
DEF Resonant rotation of electric dipoles in ionic crystals.

PARAFFIN [01]
DA December 1, 1974
BT1 Alkanes
BT2 Hydrocarbons
BT3 Organic Compounds
BT1 Waxes
BT2 Other Organic Compounds
BT3 Organic Compounds
RT Phase Change Materials
RT Shielding Materials

Paraffin Removal
DA October 24, 1984
USE Dewaxing

Paraffins
DA December 1, 1974
USE Alkanes

Paragenes
DA December 22, 1977
USE Plasmids

PARAGENESIS
DA August 21, 1981
RT Geologic Deposits
RT Hydrothermal Synthesis
RT Petrogenesis
DEF A characteristic association of minerals connoting contemporaneous formation.

PARAGONITE
DA January 26, 1976
BT1 Mica
BT2 Silicate Minerals
BT3 Minerals
DEF A yellowish or greenish mineral of the mica group: $NaAl_2(AlSi_3)O_{10}(OH)_2$.

PARAGUAY [01]
DA April 7, 1975
BT1 Developing Countries
BT1 South America
BT2 Latin America

PARAHO PROCESS
DA May 5, 1975
RT Oil Shales
DEF An oil shale processing method in which heat transfer during the vertical-kiln retorting process is effected by internal combustion of spent shale carbon residue. An alternative method makes use of hot recycle gas with no combustion in the retort.

PARALLEL PROCESSING [01]
DA January 27, 1984
UF *Multiprocessing*
BT1 Programming
RT Algorithms
RT Cedar Computers
RT Computers
RT Memory Management
RT Task Scheduling
RT Vector Processing
DEF The concurrent or simultaneous execution of more than one program, or the handling of input for more than one operation at the same time.

Paramagnetic Resonance (Electron)
DA December 1, 1974
USE Electron Spin Resonance

Paramagnetic Resonance (Nuclear)
DA December 1, 1974
USE Nuclear Magnetic Resonance

PARAMAGNETISM [01]
DA December 1, 1974
BT1 Magnetism
RT Van Vleck Theory

PARAMECIUM [01]
DA December 1, 1974
BT1 Ciliata
BT2 Protozoa
BT3 Invertebrates
BT4 Animals
BT3 Microorganisms

PARAMETER COMPUTERS [01]
DA December 1, 1974
BT1 Digital Computers
BT2 Computers

PARAMETRIC AMPLIFIERS [01]
DA December 1, 1974
BT1 Amplifiers
BT2 Electronic Equipment
BT3 Equipment
RT Frequency Converters

PARAMETRIC ANALYSIS [01]
(Experimental or theoretical study of the changes in characteristics of a system due to changes in design or operational parameters.)
DA March 4, 1980
NT1 Prony Method
RT Mathematical Models
RT Multi-Parameter Analysis
RT Optimization
RT Response Functions
RT Sensitivity Analysis
RT Systems Analysis

PARAMETRIC INSTABILITIES [01]
DA December 1, 1974
UF *Nonlinear Plasma Instabilities*
BT1 Plasma Macroinstabilities
BT2 Plasma Instability
BT3 Instability
RT Alternating Current
RT Electric Fields

PARAMETRIC OSCILLATORS
DA December 11, 1978
BT1 Oscillators
BT2 Electronic Equipment
BT3 Equipment
RT Optical Equipment

PARASITES [01]
DA December 1, 1974

NT1 Claviceps
NT1 Fusarium
NT1 Helminths
NT2 Aschelminthes
NT3 Nematodes
NT4 Ascaridae
NT5 Ascaris
NT4 Dictyocaulus
NT4 Hookworm
NT5 Nippostrongylus
NT4 Syngamus
NT4 Trichinella
NT2 Platyhelminths
NT3 Cestodes
NT4 Hymenolepis
NT3 Trematodes
NT4 Fasciola
NT4 Schistosoma
NT3 Turbellaria
NT4 Planaria
NT1 Mildew
NT1 Plasmodium
NT1 Trypanosoma
NT1 Ustilago
NT1 Viruses
NT2 AIDS Virus
NT2 Bacteriophages
NT2 Influenza Viruses
NT2 Measles Virus
NT2 Oncogenic Viruses
NT3 Adenovirus
NT3 Leukemia Viruses
NT3 Polyoma Virus
NT2 Polio Virus
NT2 Simian Virus
NT2 Tobacco Mosaic Virus
NT2 Vaccinia Virus
RT Babesidae
RT Disease Vectors
RT Filariasis
RT Fungi
RT Hydatidosis
RT Invertebrates
RT Microorganisms
RT Mites
RT Parasitic Diseases
RT Pest Control
RT Pest Eradication
RT Pesticides
RT Plant Diseases
RT Protozoa
RT Screwworm Fly
RT Sterile Male Technique
RT Trypanosomes

PARASITIC DISEASES [01]
DA January 12, 1981
BT1 Infectious Diseases
BT2 Diseases
NT1 Fascioliasis
NT1 Filariasis
NT1 Hydatidosis
NT1 Malaria
NT1 Schistosomiasis
NT1 Trichinosis
NT1 Trypanosomiasis
RT Hookworm
RT Host
RT Parasites
RT Pathogens

PARASTATISTICS [01]
DA April 13, 1977
RT Bose-Einstein Statistics
RT Fermi Statistics
RT Field Algebra
RT Statistical Mechanics

Parasympathetic Nervous System
DA December 1, 1974
USE Autonomic Nervous System

PARASYMPATHOLYTICS [01]
DA December 1, 1974
BT1 Autonomic Nervous System Agents
BT2 Drugs
NT1 Atropine
NT1 Nicotine
RT Neuroregulators
RT Parasympathomimetics
RT Quaternary Compounds
RT Sympatholytics
RT Sympathomimetics

PARASYMPATHOMIMETICS [01]
DA December 1, 1974
BT1 Autonomic Nervous System Agents
BT2 Drugs
NT1 Acetylcholine
NT1 Eserine
NT1 Nicotine
NT1 Pilocarpine
RT Neuroregulators
RT Parasympatholytics
RT Sympatholytics
RT Sympathomimetics

PARATHION [01]
DA August 4, 1976
BT1 Insecticides
BT2 Pesticides
BT1 Organic Nitrogen Compounds
BT2 Organic Compounds
BT1 Thiophosphoric Acid Esters
BT2 Esters
BT3 Organic Compounds

PARATHORMONE [01]
DA December 1, 1974
BT1 Peptide Hormones
BT2 Hormones
BT2 Proteins
BT3 Organic Compounds
RT Bone Tissues
RT Calcium
RT Parathyroid Glands

PARATHYROID GLANDS [01]
DA December 1, 1974
BT1 Endocrine Glands
BT2 Glands
BT3 Organs
BT4 Body
RT Calcitonin
RT Hyperparathyroidism
RT Neck
RT Parathormone
RT Thyroid

PARATUNKA GEOTHERMAL FIELD [01]
DA April 8, 1975
BT1 Geothermal Fields
RT USSR

PARATYPHOID [01]
DA December 1, 1974
BT1 Bacterial Diseases
BT2 Infectious Diseases
BT3 Diseases
RT Intestines
RT Salmonella

Paris Convention-Third Party Liability
DA December 1, 1974
USE PCOTPL

PARITY [01]
DA December 1, 1974
BT1 Particle Properties
RT Minami Ambiguity
RT Morrison Rule
RT P Invariance
RT Quantum Numbers

Parity Nonconservation
DA December 1, 1974
USE P Invariance

PARKA REACTOR [01]
(LASL critical assembly.)
DA December 16, 1976
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

Parks
DA January 9, 1981
SEE Everglades National Park
OR Public Lands
OR Recreational Areas
OR Yellowstone National Park

Parks (Energy)
DA January 9, 1981
USE Energy Parks

Parks (Industrial)
DA January 9, 1981
USE Industrial Parks

Parks (Nuclear)
DA January 9, 1981
USE Nuclear Parks

Parr Carolinas CVTR Reactor
DA December 1, 1974
USE CVTR Reactor

PARR REACTOR [01]
(Pakistan Atomic Energy Commission, Islamabad, Pakistan.)
DA December 1, 1974
UF *Islamabad Reactor Pakistan*
UF *Pakistan Atomic Research Reactor*
UF *Rawalpindi Research Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors

PARSONSITE [01]
DA December 1, 1974
BT1 Phosphate Minerals
BT2 Minerals
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
RT Lead Phosphates
RT Uranium Phosphates

Part-Time Work Schedules
DA May 8, 1984
USE Alternative Work Schedules

Parthenium Argentatum
DA January 15, 1980
USE Guayule

Parthenogenesis
DA December 1, 1974
USE Reproduction

PARTIAL BODY IRRADIATION [01]
DA December 1, 1974
UF *Shielded Organs*
BT1 External Irradiation
BT2 Irradiation
RT Abscopal Radiation Effects
RT Body Areas
RT Local Irradiation
RT Spatial Dose Distributions

Partial Conservation Axial Currents
DA December 1, 1974
USE PCAC Theory

Partial Conservation Vector Current
DA December 1, 1974
USE PCVC Theory

PARTIAL DIFFERENTIAL EQUATIONS [01]
DA November 25, 1980
BT1 Differential Equations
BT2 Equations
NT1 Boltzmann Equation
NT1 Boltzmann-Vlasov Equation
NT1 Continuity Equations
NT1 Equations of Motion
NT1 Fokker-Planck Equation
NT1 Fourier Heat Equation
NT1 Grad-Shafranov Equation

NT1 Hamilton-Jacobi Equations
NT1 Korteweg-De Vries Equation
NT1 Lagrange Equations
NT1 Laplace Equation
NT1 Maxwell Equations
NT1 Navier-Stokes Equations
NT1 Poisson Equation
NT1 Proca Equations
NT1 Wave Equations
NT2 Dirac Equation
NT2 Klein-Gordon Equation
NT2 Schroedinger Equation
RT Cauchy Problem
RT Dirichlet Problem

PARTIAL MOLAL VOLUME
DA September 11, 1975
RT Thermodynamic Properties
DEF Partial molal volume is the change in volume of a solution which would be brought about by the addition of one mole of solute to such a large amount of solution that the composition of the solution remains essentially unchanged.

PARTIAL OXIDATION PROCESSES
DA January 23, 1975
BT1 Chemical Reactions
BT1 Thermochemical Processes
RT Autothermal Reformer Processes
RT Hydrocarbons
RT Hydrogen Production
RT Shell Gasification Process

PARTIAL PRESSURE [01]
DA November 10, 1981
RT Dissolved Gases
RT Water Chemistry
DEF The pressure that would be exerted by one component of a mixture of gases if it were present alone in a container.

PARTIAL WAVES [01]
DA December 1, 1974
NT1 D Waves
NT1 F Waves
NT1 P Waves
NT1 S Waves
RT Angular Momentum
RT CDD Poles
RT Dispersion Relations
RT Linear Absorption Models
RT N-D Method
RT Omnes-Muskhelishvili Method
RT Phase Shift
RT Quantum Mechanics
RT Scattering
RT Scattering Amplitudes

PARTICLE BEAM FUSION ACCELERATOR [01]
DA March 4, 1980
UF *PBFA*
BT1 Accelerators
NT1 Electron Beam Fusion Accelerator
RT Energy Deposition
RT Inertial Confinement
RT Ion Beam Fusion Reactors

Particle-Beam Weapons
DA August 21, 1981
USE Directed-Energy Weapons

PARTICLE BEAMS [01]
DA December 1, 1974
BT1 Beams
NT1 Hyperon Beams
NT2 Lambda Particle Beams
NT2 Omega Particle Beams
NT2 Sigma Particle Beams
NT2 Xi Particle Beams
NT1 Lepton Beams
NT2 Electron Beams
NT2 Muon Beams
NT2 Neutrino Beams
NT2 Positron Beams
NT1 Meson Beams
NT2 Eta Meson Beams
NT2 Kaon Beams
NT2 Pion Beams
NT1 Nucleon Beams
NT2 Neutron Beams
NT2 Proton Beams
NT1 Secondary Beams
NT2 Carbon 11 Beams
NT2 Helium 8 Beams
RT Beam Neutralization
RT Directed-Energy Weapons
RT Ion Beams
RT Photon Beams
RT Pomeranchuk Theorem
RT Q-Shift

PARTICLE BOOSTERS [01]
(First stages of a multistage accelerator.)
DA December 1, 1974
UF *Boosters (Particle)*
RT Accelerators
RT Beam Injection

PARTICLE-CORE COUPLING MODEL [01]
DA April 13, 1977
UF *Particle-Core Model*
BT1 Nuclear Models
BT2 Mathematical Models
RT Coupling
RT Nuclear Structure

Particle-Core Model
(Prior to July 1985, this was a valid descriptor and older material is so indexed.)
DA April 15, 1975
USE Particle-Core Coupling Model

PARTICLE DECAY [01]
DA December 1, 1974
BT1 Decay
NT1 Electromagnetic Particle Decay
NT1 Hadronic Particle Decay
NT1 Radiative Decay
NT1 Weak Particle Decay
NT2 Leptonic Decay
NT2 Semileptonic Decay
NT2 Weak Hadronic Decay
RT Multiple Production
RT Particle Production

PARTICLE DISCRIMINATION [01]
(Particle or radiation discrimination in a mixed field.)
DA December 1, 1974
BT1 Particle Identification
RT Measuring Methods
RT Radiation Detection
RT Resolution

PARTICLE-HOLE MODEL [01]
DA December 1, 1974
BT1 Nuclear Models
BT2 Mathematical Models
RT Aligned Coupling Scheme
RT Weak-Coupling Model

PARTICLE IDENTIFICATION [01]
DA December 1, 1974
NT1 Particle Discrimination

Particle-induced X-Ray Emission Analysis
DA August 7, 1978
USE X-Ray Emission Analysis

PARTICLE INTERACTIONS [01]
DA December 1, 1974
BT1 Interactions
NT1 Annihilation
NT1 Charged-Current Interactions
NT1 Coherent Production
NT1 Electron-Quark Interactions
NT1 Electroproduction
NT1 Exclusive Interactions
NT2 Semi-Exclusive Interactions
NT1 Gluon-Gluon Interactions
* NT1 Hadron-Hadron Interactions
NT1 Inclusive Interactions
NT2 Semi-Inclusive Interactions
NT1 Incoherent Production
* NT1 Lepton-Hadron Interactions
* NT1 Lepton-Lepton Interactions
NT1 Neutral-Current Interactions
* NT1 Photon-Hadron Interactions
NT1 Photon-Lepton Interactions
NT2 Photon-Electron Interactions
NT2 Photon-Muon Interactions
NT2 Photon-Neutrino Interactions
NT1 Photon-Photon Interactions
NT1 Photoproduction
NT2 Primakoff Effect
NT1 Quark-Antiquark Interactions
NT1 Quark-Gluon Interactions
NT1 Quark-Hadron Interactions
NT1 Quark-Quark Interactions
RT Centauro-Type Events
RT Coherent Tube Model
RT Four Momentum Transfer
RT Longitudinal Momentum
RT Morrison Rule
RT Multiple Production
RT Particle Kinematics
RT Particle Production
RT Polarized Products
RT S Channel
RT String Models
RT T Channel
RT Transverse Energy
RT Transverse Momentum
RT U Channel

PARTICLE KINEMATICS [01]
DA December 1, 1974
UF *Kinematics (Particle)*
RT Angular Correlation
RT Collisions
RT Conservation Laws
RT Decay
RT Distribution
RT Equations of Motion
RT Particle Interactions
RT Particle Rapidity

PARTICLE LOSSES [01]
DA March 24, 1983
UF *Losses (Particles)*
RT Energy Losses
RT Plasma Confinement
RT Plasma Disruption

PARTICLE MOBILITY [01]
DA December 1, 1974
BT1 Mobility
NT1 Electron Mobility
NT1 Ion Mobility

PARTICLE MODELS [01]
DA December 1, 1974
UF *Models (Particle)*
BT1 Mathematical Models
NT1 Coherent Tube Model
NT1 Composite Models
NT2 Bootstrap Model
NT2 CIM Model
NT2 Parton Model
NT2 Quark Model
NT3 Bag Model
NT3 Color Model
NT3 Flavor Model
NT4 Beauty Model
NT4 Truth Model
NT3 String Models
NT4 Superstring Models
NT2 Rishon Model
NT1 Correlated-Particle Models
NT1 Diffraction Models
NT1 Dual Absorption Model
NT1 Extended Particle Model
NT2 Bag Model
NT2 String Models
NT3 Superstring Models
NT1 Feynman Gas Model
NT1 Fireball Model
NT1 Gluon Model
NT1 Hard Collision Models
NT1 Higgs Model
NT1 Isobar Model
NT1 Jet Model
NT1 Lee Model
NT1 Linear Absorption Models
NT1 Nova Model
NT1 Octet Model
NT1 Peripheral Models

NT2 Baryon-Exchange Models
NT2 Boson-Exchange Models
NT3 OBE Model
NT4 OPE Model
NT5 Electric Born Model
NT3 Sigma Model
NT2 Multiperipheral Model
NT3 Cluster Emission Model
NT4 Space-Time Model
NT1 Single-Particle Model
NT1 Strong-Coupling Model
NT1 Tensor Dominance Model
NT1 Thermodynamic Model
NT2 Hydrodynamic Model
NT1 Uncorrelated-Particle Model
NT1 Unified Gauge Models
NT2 Grand Unified Theory
NT2 Standard Model
NT2 Weinberg Lepton Model
NT2 Weinberg-Salam Gauge Model
NT1 Van Hove Model
NT1 Vector Dominance Model
NT1 Veneziano Model
NT2 Dual Resonance Model
RT Harmonic Oscillator Models
RT Leading Particles
RT Limiting Fragmentation
RT Optical Models
RT Particle Multiplets
RT Particle Structure
RT Statistical Models
RT Structure Functions
RT Urbaryons

PARTICLE MULTIPLETS [01]
DA December 1, 1974
BT1 Multiplets
NT1 Baryon Decuplets
NT1 Baryon Octets
NT1 Meson Nonets
NT1 Meson Octets
RT Okubo Mass Formula
RT Particle Models
RT Spectra

PARTICLE PRODUCTION [01]
DA December 1, 1974
UF *Production (Particle)*
UF+ *Cumulative Effect*
NT1 Coherent Production
NT1 Electroproduction
NT1 Incoherent Production
NT1 Multiple Production
NT2 Pionization
NT1 Pair Production
NT2 Internal Pair Production
NT1 Photoproduction
NT2 Primakoff Effect
RT Blankenbecler-Sugar Equations
RT Leading Particles
RT Mixing Ratio
RT Particle Decay
RT Particle Interactions
RT Regeneration

PARTICLE PROPERTIES [01]
(Use only for data compilations or papers of a similar broad nature; otherwise use the specific terms listed below.)
DA December 1, 1974
NT1 Chirality
NT1 Form Factors
NT2 Dirac Form Factors
NT2 Electromagnetic Form Factors
NT2 Pauli Form Factors
NT1 G Parity
NT1 Helicity
NT1 Hypercharge
NT1 Isospin
NT1 Mass Difference
NT1 Paracharge
NT1 Parity
NT1 Particle Radii
NT1 Particle Rapidity
NT1 Particle Widths
NT1 Spin
NT1 Strangeness
RT Lifetime
RT Limiting Values
RT Quantum Numbers
RT Spin Orientation

PARTICLE RADII [01]
(For quantum objects only; otherwise use PARTICLE SIZE.)
DA December 1, 1974
UF *Charge Radius (Particle)*
UF *Mass Radius (Particle)*
BT1 Particle Properties
RT Nuclear Radii
RT Particle Structure

PARTICLE RAPIDITY [01]
DA June 30, 1975
BT1 Particle Properties
RT Kinetic Energy
RT Longitudinal Momentum
RT Particle Kinematics
RT Scale Invariance
DEF (1/2)ln(E+P)/(E-P); widely used in high energy physics.

PARTICLE RESUSPENSION [01]
DA July 7, 1976
UF *Resuspension*
RT Aerodynamics
RT Aerosols
RT Air Pollution
RT Chemical Effluents
RT Diffusion
RT Dispersions
RT Dusts
RT Earth Crust
RT Radioactive Aerosols
RT Radioactive Effluents
RT Radionuclide Migration
RT Surface Air

PARTICLE SIZE [01]
DA December 1, 1974
BT1 Size
RT Aerosols
RT Agglomeration
RT Ceramography
RT Colloids
RT Dispersions
RT Droplets
RT Dusts
RT Elutriation
RT Microspheres
RT Particle Size Classifiers
RT Particles
RT Powders

PARTICLE SIZE CLASSIFIERS
DA March 8, 1977
BT1 Equipment
RT Classification
RT Particle Size
RT Screens
RT Separation Processes
RT Sorting
RT Trommels

PARTICLE SOURCES [01]
DA December 1, 1974
BT1 Radiation Sources
NT1 Alpha Sources
NT1 Antiproton Sources
NT1 Beta Sources
NT1 Deuteron Sources
NT1 Electron Sources
NT2 Pierce Electron Guns
NT1 Neutron Sources
NT2 ING Linac
NT2 Neutron Generators
NT2 Nisus Facility
NT1 Positron Sources
NT1 Proton Sources
RT Ion Sources

PARTICLE STRUCTURE [01]
DA December 1, 1974
RT Bach-Tamaid Theory
RT EMC Effect
RT Landau Quasi Particles
RT Particle Models
RT Particle Radii
RT String Models
RT Structure Functions
RT Superstring Models
RT Urbaryons

PARTICLE TRACKS [01]
DA December 1, 1974
UF *Prongs*
UF *Tracks*
NT1 Fission Tracks
RT Dielectric Track Detectors
RT Etching
RT Image Scanners
RT Particles
RT Pattern Recognition
RT Trajectories

PARTICLE WIDTHS [01]
DA December 1, 1974
BT1 Particle Properties
RT Lifetime

PARTICLES [01]
(When appropriate use more specific terms listed under CHARGED PARTICLES, ELEMENTARY PARTICLES, and QUASI PARTICLES.)
DA December 1, 1974
UF *Fragments (Particles)*
UF+ *Fallout Particulates*
UF+ *Radioactive Particulates*
NT1 Droplets
NT1 Interstellar Grains
NT1 Neutral Particles
NT1 Particulates
NT2 Total Suspended Particulates
RT Aerosols
RT Colloids
RT Condensation Nuclei
RT Dispersions
RT Dusts
RT Elutriation
RT Granular Materials
RT Micellar Systems
RT Particle Size
RT Particle Tracks
RT Powders
RT Sedimentation
RT Virial Theorem
RT Viruses

Particles (Fuel)
DA December 1, 1974
USE Fuel Particles

PARTICULATES [01]
(Prior to September 1981, this concept was indexed to PARTICLES and AEROSOLS.)
DA September 8, 1981
UF *Airborne Particles*
UF *Airborne Particulates*
UF *Waterborne Particles*
BT1 Particles
NT1 Total Suspended Particulates
RT Aerosols
RT Air Pollution
RT Air Pollution Monitoring
RT Ashes
RT Dispersions
RT Dusts
RT Fly Ash
RT Water Pollution

PARTITION [01]
(Not to be used in connection with ion exchange or ion exchange chromatography.)
DA December 1, 1974
RT Arrhenius Equation
RT Equilibrium
RT Extraction Chromatography
RT Gas Chromatography
RT Solvent Extraction

Partition Chromatography
DA December 1, 1974
USE Chromatography

PARTITION FUNCTIONS [01]
DA December 1, 1974
BT1 Functions
RT Statistical Mechanics
RT Thermodynamics

PARTON MODEL [01]
DA December 1, 1974
BT1 Composite Models
BT2 Particle Models

BT3 Mathematical Models
RT Deep Inelastic Scattering
RT Partons
RT Quark Model

PARTONS [01]
DA March 29, 1980
BT1 Postulated Particles
BT2 Elementary Particles
RT Parton Model

PARTURITION [01]
DA December 1, 1974
UF *Birth*
RT Oxytocin
RT Pregnancy
RT Progeny

PAS [01]
DA December 1, 1974
UF *Aminosalicylic Acid-para*
BT1 Amino Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT1 Antimicrobial Agents
BT2 Anti-Infective Agents
BT3 Drugs
RT Salicylic Acid
RT Tuberculosis

PASCAL
DA December 11, 1985
BT1 Programming Languages

PASCHEN-BACK EFFECT [01]
DA December 1, 1974
RT Fine Structure
RT Zeeman Effect

Paschen Curve
DA December 1, 1974
USE Paschen Law

PASCHEN LAW [01]
DA December 1, 1974
UF *Paschen Curve*
UF *Paschen Minimum*
RT Breakdown
RT Electric Discharges
RT Electric Potential
RT Gases
RT Spark Gaps

PASCHEN LINES [01]
DA December 1, 1974
RT Spectra

Paschen Minimum
DA December 1, 1974
USE Paschen Law

PASCO BASIN
DA August 20, 1984
BT1 Columbia River Basin
BT2 Watersheds
RT Hanford Reservation
RT Radioactive Waste Disposal
RT Washington

PASCOITE [01]
DA December 1, 1974
BT1 Calcium Oxides
BT2 Calcium Compounds
BT3 Alkaline Earth Metal Compounds
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT1 Oxide Minerals
BT2 Minerals
BT1 Radioactive Minerals
BT2 Minerals
BT2 Radioactive Materials
BT3 Materials
BT1 Vanadium Oxides
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT2 Vanadium Compounds
BT3 Transition Element Compounds

PASSAMAQUODDY POWER PLANT [01]
DA November 11, 1975
BT1 Tidal Power Plants
BT2 Power Plants

Passengers
DA April 5, 1978
USE Occupants

PASSIVATION [01]
DA December 1, 1974
RT Corrosion Protection

PASSIVE SOLAR COOLING SYSTEMS
DA July 23, 1977
BT1 Solar Cooling Systems
BT2 Solar Equipment
BT3 Equipment
NT1 Bead Walls
NT1 Drum Walls
NT1 Roof Ponds
RT Curtains
RT Solar Architecture

PASSIVE SOLAR HEATING SYSTEMS
DA July 23, 1977
BT1 Solar Heating Systems
BT2 Heating Systems
BT3 Energy Systems
BT2 Solar Equipment
BT3 Equipment
NT1 Bead Walls
NT1 Direct Gain Systems
NT1 Drum Walls
NT1 Roof Ponds
NT1 Thermic Diode Solar Panels
NT1 Trombe Walls
NT1 Water Walls
RT Attached Greenhouses
RT Curtains
RT Double Envelope Buildings
RT Load Collector Ratio
RT Solar Air Heaters
RT Solar Architecture

PASSIVE SOLAR WATER HEATERS
DA January 9, 1981
BT1 Solar Water Heaters
BT2 Solar Equipment
BT3 Equipment
BT2 Water Heaters
BT3 Appliances
BT4 Equipment
BT3 Heaters
NT1 Thermic Diode Solar Panels
RT Thermosyphon Effect

PASSIVITY [01]
DA December 1, 1974
RT Corrosion
RT Corrosion Resistance

PASTEURIZATION [01]
DA December 1, 1974
NT1 Radicidation
RT Preservation
RT Sterilization

PASTURES [01]
DA May 31, 1979
RT Cattle
RT Forage
RT Gramineae
RT Rangelands

PAT REACTOR
DA June 12, 1975
UF *Prototype a Terre*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors
DEF Land-based submarine protype reactor.

PATENT LAWS [01]
DA March 8, 1978
BT1 Laws

PATENTS [01]
(Use only for items about patents, not for items which are patents.)
DA December 1, 1974
BT1 Document Types
RT Inventions
RT Legal Aspects
RT Licensing
RT Specifications

PATGAS PROCESS
DA October 13, 1976
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes
RT SNG Processes
DEF Coal gasification process to produce a fuel gas containing 36% H_2 and 64% CO at 1000 psig and 100^{0}F.

PATHE GEOTHERMAL FIELD [01]
DA April 8, 1975
BT1 Geothermal Fields
RT Geothermal Hot-Water Systems
RT Mexico

PATHFINDER REACTOR [01]
DA December 1, 1974
UF *Sioux Falls Pathfinder Reactor*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

PATHOGENESIS [01]
DA December 1, 1974
NT1 Carcinogenesis
NT2 Leukemogenesis
RT AIDS
RT Diseases
RT Pathological Changes

PATHOGENS [01]
DA May 25, 1979
RT Anti-Infective Agents
RT Bacterial Diseases
RT Disease Vectors
RT Diseases
RT Fungal Diseases
RT Fungi
RT Infectious Diseases
RT Invertebrates
RT Microorganisms
RT Parasitic Diseases
RT Rickettsial Diseases
RT Viral Diseases
DEF Disease-producing agents, usually refers to living organisms.

PATHOLOGICAL CHANGES [01]
DA December 1, 1974
NT1 Abscesses
NT1 Allergy
NT1 Ascites
NT1 Atrophy
NT1 Biological Shock
NT1 Calcinosis
NT1 Caries
NT1 Chlorosis
NT1 Cysts
NT1 Edema
NT1 Epilation

NT1 Fibrosis
NT1 Fistulae
NT1 Hemolysis
NT1 Hemorrhage
NT1 Hypertrophy
NT1 Inflammation
NT1 Jaundice
NT1 Malformations
NT2 Congenital Malformations
NT3 Downs Syndrome
NT1 Necrosis
NT2 Gangrene
NT2 Osteoradionecrosis
NT1 Splenomegaly
NT1 Ulcers
RT Diseases
RT Pathogenesis
RT Pathology
RT Symptoms

PATHOLOGY [01]
DA December 1, 1974
RT Autopsy
RT Diseases
RT Medicine
RT Pathological Changes

PATIENTS [01]
DA December 1, 1974
RT Human Populations
RT Man
RT Medicine
RT Therapy

PATTERN RECOGNITION [01]
DA December 16, 1975
UF+ *Fingerprinting (Oil Spills)*
UF+ *Oil Spill Fingerprinting*
RT Data Processing
RT Diagrams
RT Display Devices
RT Identification Systems
RT Image Scanners
RT Image Tubes
RT Images
RT Oil Spills
RT Particle Tracks
RT Visibility

PATTERSON METHOD [01]
DA December 1, 1974
BT1 Calculation Methods
RT Crystallography
RT Diffraction Methods

Pauli Exclusion Principle
DA December 1, 1974
USE Pauli Principle

PAULI FORM FACTORS [01]
DA December 1, 1974
BT1 Form Factors
BT2 Particle Properties

Pauli Matrices
DA December 1, 1974
USE Pauli Spin Operators

PAULI PRINCIPLE [01]
DA December 1, 1974
UF *Exclusion Principle*
UF *Pauli Exclusion Principle*
RT Occupation Number
RT Quantum Mechanics

PAULI SPIN OPERATORS [01]
DA December 1, 1974
UF *Pauli Matrices*
BT1 Angular Momentum Operators
BT2 Quantum Operators
BT3 Mathematical Operators
RT Spin

PAUZHETSK GEOTHERMAL FIELD [01]
DA January 23, 1975
BT1 Geothermal Fields
RT Geothermal Hot-Water Systems
RT USSR

PAVEMENTS [01]
DA June 14, 1978
RT Building Materials
RT Roads

Pawling Research Reactor
DA December 1, 1974
USE PRR Reactor

PAYBACK PERIOD [01]
DA March 3, 1978
RT Cost
RT Economics
RT Investment
RT Life-Cycle Cost
DEF Time for the initial capital invested to construct a system to equate with the cumulated utility energy costs that are saved by the installation.

PBF REACTOR [01]
DA December 1, 1974
UF *National Reactor Testing Station Burst Facility*
UF *Power Burst Facility USAEC*
BT1 Pulsed Reactors
BT2 Reactors
BT1 Tank Type Reactors
BT2 Reactors

PBFA
DA March 4, 1980
USE Particle Beam Fusion Accelerator

PBI [01]
DA December 1, 1974
UF *Protein-Bound Iodine*
BT1 CPB
BT1 Organic Iodine Compounds
BT2 Organic Halogen Compounds
BT3 Organic Compounds
BT1 Proteins
BT2 Organic Compounds
RT Blood-Plasma Clearance
RT Thyroid Hormones

PBR REACTOR [01]
(NASA, Lewis Research Center, Plum Brook Station, Sandusky, Ohio, USA.)
DA December 1, 1974
UF *NASA-Test Reactor*
UF *NASA-TR Reactor*
UF *Plum Brook NASA-TR*
UF *Plum Brook Reactor Facility*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Materials Testing Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors

PBX DEVICES [01]
(PBX is essentially the old PDX with a rearrangement of the divertor coils. The resultant plasma is "bean-shaped" with a goal of 10 percent beta. MHD properties will be studied.)
DA October 11, 1983
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices
RT PDX Devices
RT Poloidal Field Divertors

PCA
DA December 1, 1974
USE Polar-Cap Absorption

PCA-LASL Facility
DA April 12, 1977
USE Plasma Core Assembly

PCA-ORNL Reactor
DA December 1, 1974
USE ORNL-PCA Reactor

PCAC THEORY [01]
DA December 1, 1974
UF *Partial Conservation Axial Currents*
RT Axial-Vector Currents
RT Current Algebra

PCB
(Polychlorinated Biphenyl)
DA November 12, 1980
USE Polychlorinated Biphenyls

PCM Accidents
DA January 28, 1975
USE Power-Cooling-Mismatch Accidents

PCOTPL [01]
(Paris Convention on Third Party Liability)
DA December 1, 1974
UF *Liability Conv on Third Party, Paris*
UF *Paris Convention-Third Party Liability*
BT1 International Agreements
BT2 Agreements
RT BCSTPC
RT Civil Liability
RT Nuclear Liability

PCTR REACTOR [01]
(Pacific Northwest Lab., Battelle Memorial Institute, Richland, Washington, USA.)
DA December 1, 1974
UF *Physical Constants Test Reactor*
UF *Richland Physical Constants Test Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Graphite Moderated Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

PCV SYSTEMS
DA March 5, 1979
UF *Positive Crankcase Ventilation Systems*
BT1 Pollution Control Equipment
BT2 Equipment
RT Automobiles
RT Internal Combustion Engines

PCVC THEORY [01]
DA December 1, 1974
UF *Partial Conservation Vector Current*
RT Current Algebra
RT Vector Currents

PDP COMPUTERS [01]
DA December 1, 1974
BT1 DEC Computers
BT2 Computers

PDP REACTOR [01]
DA December 1, 1974
UF *Process Development Pile*
UF *Savannah River Process Development Reactor*
BT1 Heavy Water Cooled Reactors
BT2 Reactors
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors
RT Enriched Uranium Reactors
RT Natural Uranium Reactors

PDU
DA November 17, 1976
USE Process Development Units

PDX DEVICES [01]
DA November 28, 1977
UF *Poloidal Divertor Experiment*
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices
RT PBX Devices
RT Poloidal Field Divertors

Pea Plant
DA December 1, 1974
USE Pisum

PEACE RIVER [01]
DA November 28, 1975
BT1 Rivers
BT2 Streams
BT3 Surface Waters
RT Alberta
RT British Columbia

PEACE RIVER DEPOSIT [01]
DA April 30, 1975
BT1 Oil Sand Deposits
BT2 Geologic Deposits
RT Alberta
RT Canada
RT Oil Sands

PEACH BOTTOM-1 REACTOR [01]
(York County, Pennsylvania, USA)
DA December 1, 1974
UF *HTGR Peach Bottom Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Helium Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 HTGR Type Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT2 Graphite Moderated Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

PEACH BOTTOM-2 REACTOR [01]
(York County, Pennsylvania, USA)
DA December 1, 1974
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

PEACH BOTTOM-3 REACTOR [01]
(York County, Pennsylvania, USA)
DA December 1, 1974
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

PEACHES [01]
DA December 1, 1974
BT1 Fruits
BT2 Food
RT Fruit Trees
RT Rosaceae

PEAK LOAD [01]
DA September 6, 1979
UF *Peak Power*
RT Electric Utilities
RT Load Analysis
RT Load Management
RT Power Demand
DEF Maximum instantaneous load or maximum average load over a designated interval of time.

PEAK-LOAD PRICING
DA March 22, 1976
BT1 Prices
RT Electric Power
RT Load Management
RT Off-Peak Power
RT Power Meters
RT Public Utilities
RT Time-of-Use Pricing

Peak Power
DA September 6, 1979
USE Peak Load

PEAKING POWER PLANTS [01]
DA February 27, 1979
BT1 Power Plants
NT1 Compressed Air Storage Power Plants
NT1 Pumped Storage Power Plants
RT Capacitive Energy Storage Equipment
RT Compressed Air Energy Storage Equipment
RT Gas Turbine Power Plants
RT Hydroelectric Power Plants
RT Load Management
RT Magnetic Energy Storage Equipment
RT Off-Peak Energy Storage
RT Thermal Energy Storage Equipment
RT Thermal Power Plants

PEAKS [01]
DA December 1, 1974
NT1 Escape Peaks
RT Pulse Rise Time
RT Transients

PEANUT OIL [01]
DA December 1, 1974
BT1 Triglycerides
BT2 Esters
BT3 Organic Compounds
BT2 Lipids
BT3 Organic Compounds
BT1 Vegetable Oils
BT2 Oils
BT3 Other Organic Compounds
BT4 Organic Compounds

PEANUTS [01]
DA December 1, 1974
UF *Groundnuts*
BT1 Seeds
RT Leguminosae
RT Proteins

Pearl Pulsations
DA December 1, 1974
USE Pulsations

Pearl Spar
DA March 31, 1976
SEE Ankerite
OR Dolomite

PEARLITE [01]
DA December 1, 1974
RT Cast Iron
RT Cementite
RT Ferrite
RT Steels
DEF An aggregate in steel of ferrite and cementite.

PEARS [01]
DA December 1, 1974
BT1 Fruits
BT2 Food
RT Rosaceae

PEAS [01]
DA December 1, 1974
BT1 Vegetables
BT2 Food
BT2 Plants
RT Pisum

PEAT [01]
DA December 1, 1974
BT1 Fossil Fuels
BT2 Energy Sources
BT2 Fuels
BT1 Organic Matter
BT2 Matter
RT Coal
RT Solid Fuels

PEATGAS PROCESS
DA August 7, 1976
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes
BT1 SNG Processes
DEF Dilute-phase, concurrent short-residence time hydrogasification and fluidized-bed nonslagging char gasification.

Peatlands
DA January 21, 1983
USE Wetlands

PEBBLE BED REACTORS [01]
DA December 1, 1974
BT1 Gas Cooled Reactors
BT2 Reactors
BT1 Solid Homogeneous Reactors
BT2 Homogeneous Reactors
BT3 Reactors
NT1 AVR Reactor
NT1 THTR-300 Reactor
NT1 VG-400 Reactor
NT1 VGR-50 Reactor

PEBBLE SPRINGS-1 REACTOR [01]
(Arlington, Oregon, USA)
DA January 22, 1975
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

PEBBLE SPRINGS-2 REACTOR [01]
(Arlington, Oregon, USA)
DA January 22, 1975
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

PEC BRASIMONE REACTOR [01]
DA December 1, 1974
UF *Brasimone PEC Reactor*
BT1 FBR Type Reactors
BT2 Breeder Reactors
BT3 Reactors
BT2 Fast Reactors
BT3 Epithermal Reactors
BT4 Reactors
BT1 Power Reactors
BT2 Reactors

PECAN TREES [01]
DA May 31, 1979
BT1 Magnoliopsida
BT2 Magnoliophyta
BT3 Plants

BT1 Trees
BT2 Plants

PECTINS [01]
DA December 1, 1974
BT1 Blood Substitutes
BT2 Hematologic Agents
BT3 Drugs
BT1 Polysaccharides
BT2 Saccharides
BT3 Carbohydrates
BT4 Organic Compounds
RT Galacturonic Acid
RT Glucuronic Acid

Peculiar A-Stars
DA December 1, 1974
USE Magnetic Stars

PEDIATRICS [01]
DA December 1, 1974
BT1 Medicine
RT Children
RT Congenital Malformations

Peening
DA December 1, 1974
USE Shot Peening

Pegase Critical Experiments
DA December 1, 1974
USE Peggy Reactor

PEGASE REACTOR [01]
DA December 1, 1974
UF *Cadarache Fuel Element Testing Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors

PEGGY REACTOR [01]
DA December 1, 1974
UF *Pegase Critical Experiments*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

PEGMATITES [01]
DA December 1, 1974
BT1 Plutonic Rocks
BT2 Igneous Rocks
BT3 Rocks
RT Feldspars
RT Granites
RT Mica
RT Xenotime
DEF Exceptionally coarse grained igneous rock, with interlocking crystals, usually found as irregular dikes, lenses, or veins, esp at the margins of batholiths.

PEIERLS METHOD [01]
DA December 1, 1974
UF *Kapur-Peierls Method*
UF *Wigner Method*
RT Bremsstrahlung
RT Compound Nuclei
RT Cross Sections
RT Photoneutrons

PEIERLS-NABARRO FORCE [01]
DA December 1, 1974
RT Crystal Structure
RT Dislocations

Pelargonic Acid
DA December 1, 1974
USE Nonanoic Acid

PELINDUNA REACTOR [01]
DA December 1, 1974
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Heavy Water Cooled Reactors
BT2 Reactors
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

PELLET INJECTION [01]
DA March 24, 1983
RT Fuel Pellets
RT Reactor Fueling
RT Thermonuclear Fuels
RT Thermonuclear Reactor Fueling

PELLETIZING [01]
DA October 1, 1975
BT1 Molding
BT2 Fabrication
RT Agglomeration
RT Breeding Pellets
RT Briquetting
RT Compacting
RT Fuel Pellets
RT Moderator Pellets
RT Waste Pellets

PELLETRON ACCELERATORS [01]
DA January 24, 1980
UF *Pelletrons*
BT1 Electrostatic Accelerators
BT2 Accelerators
NT1 5U Pelletron Accelerator

Pelletrons
(Prior to December 1980, this was a valid descriptor.)
DA August 9, 1979
USE Pelletron Accelerators

PELLETS
DA October 13, 1976
NT1 Fuel Pellets
NT1 Moderator Pellets
NT1 Waste Pellets

Pellets (Breeding)
DA August 26, 1976
USE Breeding Pellets

Pellets (Fuel)
DA December 1, 1974
USE Fuel Pellets

PELLICULARIA [01]
DA August 7, 1979
BT1 Eumycota
BT2 Fungi
BT3 Plants
RT Enzymatic Hydrolysis
DEF Cellulase-producing fungus

PELVIS [01]
DA December 1, 1974
BT1 Body Areas
BT2 Body
RT Bladder
RT Female Genitals
RT Gonads
RT Rectum

PEMOLINE [01]
DA December 1, 1974
BT1 Imines
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
BT1 Oxazoles
BT2 Azoles
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
BT2 Organic Oxygen Compounds
BT3 Organic Compounds

Penalties
DA July 24, 1979
USE Charges

PENDULUMS
DA February 19, 1976
RT Time Measurement

PENELEC PROCESS
DA April 15, 1975
BT1 Desulfurization
BT2 Chemical Reactions
RT Sulfur
DEF A process for desulfurization of flue gas using V catalyst to oxidize SO_2 to SO_3.

Penetrant Inspection (Liquid)
DA December 1, 1974
USE Liquid Penetrant Inspection

PENETRATION DEPTH [01]
DA June 12, 1975
RT Superconductivity
DEF Depth to which an external magnetic field penetrates a superconductor

PENETRATORS
DA October 1, 1975
NT1 Earth Penetrators
NT2 Subterrene Penetrators
RT Weapons

PENETROMETERS [01]
DA January 22, 1975
BT1 Measuring Instruments

PENFOLD-LEISS METHOD [01]
DA December 1, 1974
RT Bremsstrahlung

PENICILLAMINE [01]
DA December 1, 1974
UF *Mercaptoaminoisovaleric Acid*
UF *Mercaptovaline*
BT1 Amino Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT1 Chelating Agents
BT1 Radioprotective Substances
BT2 Drugs
BT1 Thiols
BT2 Organic Sulfur Compounds
BT3 Organic Compounds

PENICILLIN [01]
DA December 1, 1974
BT1 Antibiotics
BT2 Anti-Infective Agents
BT3 Drugs

PENICILLIUM [01]
DA December 1, 1974
BT1 Eumycota
BT2 Fungi
BT3 Plants

PENLY-1 REACTOR [01]
DA September 5, 1984
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

PENNING DISCHARGES [01]
DA December 1, 1974
UF *Pig Discharges*
BT1 Electric Discharges
RT Penning Ion Sources
RT Sputter-Ion Pumps

PENNING EFFECT [01]
DA December 1, 1974
RT Ionization

Penning Gages
DA December 1, 1974
USE Philips Gages

PENNING ION SOURCES [01]
DA December 1, 1974
UF *Pig Ion Sources*
BT1 Ion Sources
RT Penning Discharges

PENNSYLVANIA [01]
DA December 1, 1974
BT1 USA
BT2 Developed Countries
BT2 North America
NT1 Pittsburgh
RT Allegheny River
RT Bettis
RT Delaware River
RT Monongahela River Basin
RT Ohio River
RT Potomac River Basin
RT Susquehanna River

Pennsylvania State University Research Reactor
DA December 1, 1974
USE PSTR Reactor

Pennsylvanian Period
(Prior to April 1990 this was a valid descriptor.)
DA October 19, 1977
USE Carboniferous Period

Penrose Twistor Theory
DA August 19, 1975
USE Twistor Theory

PENSTOCKS [01]
DA March 11, 1976
BT1 Pipes
RT Hydraulics
RT Hydroelectric Power Plants

PENTACENE
DA September 23, 1985
UF *2,3,4,7-dibenzoanthracene*
BT1 Condensed Aromatics
BT2 Aromatics
BT3 Organic Compounds
BT1 Hydrocarbons
BT2 Organic Compounds

PENTACYN
DA April 6, 1978
BT1 Radioprotective Substances
BT2 Drugs

PENTADIENES
DA April 8, 1975
BT1 Dienes
BT2 Polyenes
BT3 Hydrocarbons
BT4 Organic Compounds

Pentaerythritol Tetranitrate
DA December 1, 1974
USE PETN

Pentamethylenediamine
DA December 1, 1974
USE Cadaverine

Pentamethyleneimines
DA December 1, 1974
USE Piperidines

PENTANE [01]
DA December 1, 1974
BT1 Alkanes
BT2 Hydrocarbons
BT3 Organic Compounds

2,4-Pentanedione
DA December 1, 1974
USE Acetylacetone

2-3-PENTANEDIONE [01]
DA December 1, 1974
UF *Acetyl Propionyl*
UF *Methyl Ethyl Diketone*
BT1 Ketones
BT2 Organic Compounds

Pentanoic Acid
DA December 1, 1974
USE Valeric Acid

PENTANOLS [01]
DA December 1, 1974
UF *Amyl Alcohols*
UF *Pentyl Alcohols*
BT1 Alcohols
BT2 Hydroxy Compounds
BT3 Organic Compounds

PENTENES [01]
DA December 1, 1974
BT1 Alkenes
BT2 Hydrocarbons
BT3 Organic Compounds

Pentobarbital
(Prior to October 1982, this was a valid descriptor.)
DA April 20, 1981
USE Nembutal

PENTOSES [01]
DA December 1, 1974
BT1 Monosaccharides
BT2 Saccharides
BT3 Carbohydrates
BT4 Organic Compounds
NT1 Arabinose
NT1 Deoxyribose
NT1 Ribose
NT1 Ribulose
NT1 Xylose
RT Ribosides

PENTOSYL TRANSFERASES
(Code number 2.4.2.)
DA June 13, 1981
BT1 Glycosyl Transferases
BT2 Transferases
BT3 Enzymes
BT4 Proteins
BT5 Organic Compounds
NT1 Hypoxanthine Phosphoribosyltransferase

Pentothal
DA December 1, 1974
USE Thiopental

Pentyl Alcohols
DA December 1, 1974
USE Pentanols

PENTYL RADICALS [01]
DA December 1, 1974
UF *Amyl Radicals*
BT1 Alkyl Radicals
BT2 Radicals

People
DA June 16, 1981
USE Human Populations

Peoples Democratic Republic of Yemen
(Prior to November 1991 this was a valid descriptor.)
DA August 12, 1980
USE Yemen

Peoples Republic of China
DA November 9, 1977
USE China

PEP
DA October 10, 1984
USE Phosphoenolpyruvate

PEP STORAGE RINGS [01]
DA December 1, 1974
UF *Positron-Electron-Proton Storage Ring*
BT1 Storage Rings
NT1 EPIC Storage Ring

PEPPERS [01]
(Fruit of Capsicum plant.)
DA December 1, 1974
BT1 Vegetables
BT2 Food
BT2 Plants
RT Capsicum

PEPR Devices
DA December 1, 1974
USE Cathode Ray Tube Digitizers

PEPSIN [01]
(Code numbers 3.4.23.1, 3.4.23.2, and 3.4.23.3.)
DA December 1, 1974
BT1 Acid Proteinases
BT2 Peptide Hydrolases
BT3 Hydrolases
BT4 Enzymes
BT5 Proteins
BT6 Organic Compounds
RT Digestion
RT Stomach

PEPTIDE HORMONES [01]
DA June 16, 1975
BT1 Hormones
BT1 Proteins
BT2 Organic Compounds
NT1 Calcitonin
NT1 Erythropoietin
NT1 Gastrin
NT1 Glucagon
NT1 Insulin
NT1 Parathormone
* NT1 Pituitary Hormones
NT1 Secretin
NT1 Thyroid Hormones
NT2 Diiodothyronine
NT2 Thyrocalcitonin
NT2 Thyroxine
NT2 Triiodothyronine
NT1 Thyronine
NT1 TRH

PEPTIDE HYDROLASES [01]
(Code number 3.4.)
DA December 1, 1974
BT1 Hydrolases
BT2 Enzymes
BT3 Proteins
BT4 Organic Compounds
NT1 Acid Proteinases
NT2 Pepsin
NT1 Aminopeptidases
NT1 Carboxypeptidases
NT1 Nonspecific Peptidases
NT2 Renin
NT2 Urokinase
NT1 Serine Proteinases
NT2 Chymotrypsin
NT2 Fibrinolysin
NT2 Kallikrein
NT2 Properdin
NT2 Thrombin
NT2 Trypsin
NT1 SH-Proteinases
NT2 Cathepsins
NT2 Papain
NT2 Streptococcal Proteinase
RT Proteolysis

PEPTIDES [01]
DA December 1, 1974
BT1 Proteins
BT2 Organic Compounds
NT1 Cyclosporine
NT1 Glycylglycine
NT1 Polypeptides
NT2 Calcitonin
NT2 Enkephalins

NT2 Gastrin
NT2 Glucagon
NT2 Glutathione
NT2 Kinins
NT3 Bradykinin
RT Pyrogens

PEPTONE [01]
DA December 1, 1974
BT1 Proteins
BT2 Organic Compounds

PER
DA December 1, 1974
USE Paraelectric Resonance

PER CAPITA VALUES
DA December 21, 1981
RT Economic Analysis
RT Energy Consumption

Peratization Procedure
DA December 1, 1974
USE Feinberg-Pais Theory

PERBROMATES [01]
DA September 11, 1975
BT1 Bromine Compounds
BT2 Halogen Compounds
BT1 Oxygen Compounds

PERCHLORATES [01]
DA December 1, 1974
BT1 Chlorine Compounds
BT2 Halogen Compounds
BT1 Oxygen Compounds
NT1 Aluminium Perchlorates
NT1 Americium Perchlorates
NT1 Ammonium Perchlorates
NT1 Barium Perchlorates
NT1 Cadmium Perchlorates
NT1 Calcium Perchlorates
NT1 Cerium Perchlorates
NT1 Cesium Perchlorates
NT1 Chromium Perchlorates
NT1 Cobalt Perchlorates
NT1 Copper Perchlorates
NT1 Dysprosium Perchlorates
NT1 Erbium Perchlorates
NT1 Europium Perchlorates
NT1 Gadolinium Perchlorates
NT1 Hafnium Perchlorates
NT1 Holmium Perchlorates
NT1 Indium Perchlorates
NT1 Iron Perchlorates
NT1 Lanthanum Perchlorates
NT1 Lead Perchlorates
NT1 Lithium Perchlorates
NT1 Lutetium Perchlorates
NT1 Magnesium Perchlorates
NT1 Manganese Perchlorates
NT1 Mercury Perchlorates
NT1 Neodymium Perchlorates
NT1 Neptunium Perchlorates
NT1 Plutonium Perchlorates
NT1 Potassium Perchlorates
NT1 Praseodymium Perchlorates
NT1 Rubidium Perchlorates
NT1 Samarium Perchlorates
NT1 Scandium Perchlorates
NT1 Silver Perchlorates
NT1 Sodium Perchlorates
NT1 Strontium Perchlorates
NT1 Terbium Perchlorates
NT1 Thallium Perchlorates
NT1 Thorium Perchlorates
NT1 Thulium Perchlorates
NT1 Uranium Perchlorates
NT1 Uranyl Perchlorates
NT1 Ytterbium Perchlorates
NT1 Yttrium Perchlorates
NT1 Zinc Perchlorates
NT1 Zirconium Perchlorates

PERCHLORIC ACID [01]
DA December 1, 1974
BT1 Chlorine Compounds
BT2 Halogen Compounds
BT1 Inorganic Acids
BT2 Hydrogen Compounds

PERCUS-YEVICK EQUATION [01]
DA December 1, 1974
BT1 Equations
RT Many-Body Problem

PERCUSSIVE DRILLS
DA September 27, 1979
BT1 Drills
BT2 Drilling Equipment
BT3 Equipment
RT Drill Bits

PEREY-BUCK MODEL [01]
DA December 1, 1974
UF *Perey-Wilkins Model*
BT1 Nuclear Models
BT2 Mathematical Models
RT Nonlocal Potential
RT Optical Models

Perey-Wilkins Model
DA December 1, 1974
USE Perey-Buck Model

Perfect Flow
DA May 22, 1992
SEE Incompressible Flow
OR Steady Flow

Perforated Pipe Distributors
DA September 6, 1979
USE Spargers

PERFORATION
DA May 18, 1981
RT Natural Gas Wells
RT Oil Wells
RT Well Completion
RT Wells

PERFORMANCE [01]
DA December 1, 1974
RT Coefficient of Performance
RT Efficiency
RT Errors
RT F-Chart
RT Feasibility Studies
RT Heat Rate
RT Performance Testing
RT Productivity
RT Reliability
RT Resolution
RT Spectral Response
RT Uses

PERFORMANCE TESTING [01]
DA December 1, 1974
BT1 Testing
RT Bioassay
RT Certification
RT Federal Test Procedure
RT Inspection
RT Performance
RT Post-Irradiation Examination
RT Quality Control

PERFUSED ORGANS [01]
DA December 1, 1974
BT1 Organs
BT2 Body
RT Perfused Tissues

PERFUSED TISSUES [01]
DA December 16, 1975
BT1 Animal Tissues
BT2 Tissues
BT3 Body
RT Perfused Organs

Perhydroxyl Radical
(HO_2)
DA December 23, 1982
USE Hydroperoxy Radicals

PERICARDIUM [01]
DA July 18, 1979
BT1 Heart
BT2 Cardiovascular System
BT2 Organs
BT3 Body
BT1 Serous Membranes
BT2 Membranes

PERIDOTITES [01]
DA January 22, 1975
BT1 Plutonic Rocks
BT2 Igneous Rocks
BT3 Rocks
NT1 Kimberlites
RT Hornblende
RT Olivine
RT Silicate Minerals

PERINATAL IRRADIATION [01]
DA December 1, 1974
BT1 Irradiation
RT Prenatal Irradiation
DEF A combination of prenatal and postnatal irradiation.

Period (Reactor)
DA December 1, 1974
USE Reactor Period

PERIODATES [01]
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
DA December 1, 1974
BT1 Iodine Compounds
BT2 Halogen Compounds
BT1 Oxygen Compounds
RT Periodic Acid

PERIODIC ACID [01]
DA December 1, 1974
BT1 Inorganic Acids
BT2 Hydrogen Compounds
BT1 Iodine Compounds
BT2 Halogen Compounds
BT1 Oxygen Compounds
RT Periodates

PERIODIC SYSTEM [01]
DA December 1, 1974
UF *Mendeleev Periodic System*
RT Atomic Number
RT Elements

Periodicity
DA December 1, 1974
USE Variations

Periosteum
DA December 1, 1974
USE Bone Tissues

PERIPHERAL COLLISIONS [01]
DA December 1, 1974
BT1 Strong Interactions
BT2 Basic Interactions
BT3 Interactions

PERIPHERAL MODELS [01]
DA December 1, 1974
UF *Exchange Models*
BT1 Particle Models
BT2 Mathematical Models
NT1 Baryon-Exchange Models
NT1 Boson-Exchange Models
NT2 OBE Model
NT3 OPE Model
NT4 Electric Born Model
NT2 Sigma Model
NT1 Multiperipheral Model
NT2 Cluster Emission Model
NT3 Space-Time Model

Periphyton
DA April 12, 1977
USE Aufwuchs

PERISCOPES [01]
DA December 1, 1974
BT1 Optical Systems
RT Hot Cells
RT Hot Labs
RT Remote Handling

PERITONEUM [01]
DA December 1, 1974
BT1 Serous Membranes
BT2 Membranes

RT Abdomen
RT Ascites
RT Gastrointestinal Tract
RT Intraperitoneal Injection
RT Liver
RT Mesentery
RT Peritonitis
RT Spleen

PERITONITIS [01]
DA December 1, 1974
BT1 Digestive System Diseases
BT2 Diseases
RT Peritoneum

PERKINS-1 REACTOR [01]
(In Davie County, North Carolina, USA.)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

PERKINS-2 REACTOR [01]
(In Davie County, North Carolina, USA.)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

PERKINS-3 REACTOR [01]
(In Davie County, North Carolina, USA.)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

PERLITE
DA May 13, 1976
BT1 Volcanic Rocks
BT2 Igneous Rocks
BT3 Rocks
RT Glass
RT Rhyolites
RT Trachytes
DEF Volcanic glass that has a concentric structure, appears as if composed of concretions, is usually grayish and sometimes spherulitic, and, when expanded by heat, forms a lightweight aggregate used especially in concrete and plaster.

PERMAFROST [01]
DA January 23, 1976
RT Alaska Oil Pipeline
RT Alaskan North Slope
RT Arctic Regions
RT Soils
DEF Any soil, subsoil or other surficial deposit, or even bedrock, occurring in arctic or subarctic regions at a variable depth beneath the Earth's surface in which a temperature below freezing has existed continuously for a long time.

PERMALLOY [01]
DA December 1, 1974
BT1 Iron Alloys
BT2 Alloys
BT1 Nickel Alloys
BT2 Alloys

PERMANENT MAGNETS [01]
DA December 1, 1974
BT1 Magnets
RT Magnetic Properties

PERMANGANATES [01]
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
DA December 1, 1974
BT1 Manganese Compounds
BT2 Transition Element Compounds
BT1 Oxygen Compounds
NT1 Potassium Permanganates
RT Manganese Oxides

PERMEABILITY [01]
DA December 1, 1974
UF+ *Collector Properties*
UF+ *Collector Properties (Rocks)*
UF+ *Tight Sands*
RT Dialysis
RT Membranes
RT Osmosis
RT Plugging
RT Porosity
RT Thermal Conductivity

Permeability (Magnetic)
DA December 1, 1974
USE Magnetic Susceptibility

Permeability Coefficient (Fluid Mechanics)
DA July 20, 1983
USE Hydraulic Conductivity

Permeability Damage
DA January 21, 1983
USE Formation Damage

Permeability Reduction
DA January 21, 1983
USE Formation Damage

PERMENDUR
DA December 1, 1974
BT1 Alloy-Co50Fe50
BT2 Cobalt Base Alloys
BT3 Cobalt Alloys
BT4 Alloys
BT2 Iron Base Alloys
BT3 Iron Alloys
BT4 Alloys

PERMIAN BASIN
DA February 10, 1984
NT1 Dalhart Basin
NT1 Palo Duro Basin
RT Colorado
RT Kansas
RT New Mexico
RT Oklahoma
RT Radioactive Waste Disposal
RT Texas
DEF That portion of western Texas, eastern New Mexico, western Oklahoma, southwestern Kansas, and southeastern Colorado that is underlain by bedded salt deposits of Permian age.

PERMIAN PERIOD [01]
DA October 19, 1977
UF *Rotliegende Epoch*
SF *Appalachian Orogeny*
BT1 Paleozoic Era
BT2 Geologic Ages

PERMIT APPLICATIONS
DA July 9, 1980
BT1 Administrative Procedures
RT Permits
RT Regulations

PERMITS
DA December 10, 1979
BT1 Administrative Procedures
NT1 Construction Permits
RT Permit Applications

PERMITTIVITY [01]
DA December 1, 1974
RT Dielectric Properties

Permutit (Inorganic)
DA December 1, 1974
USE Inorganic Ion Exchangers

Permutit (Organic)
DA December 1, 1974
USE Organic Ion Exchangers

Pernicious Anemia
DA December 1, 1974
USE Anemias

PEROVSKITE [01]
DA December 1, 1974
BT1 Oxide Minerals
BT2 Minerals
BT1 Perovskites
RT Calcium Oxides
RT Kimberlites
RT SYNROC Process
RT Titanium Oxides

Perovskite Crystal Structure
DA May 23, 1984
USE Cubic Lattices

PEROVSKITES
DA September 28, 1976
NT1 Perovskite
RT Ferrimagnetic Materials
RT Sodium Tungsten Bronze
DEF Minerals with a close-packed lattice and the general formula ABX_3 where A and B are metals and X is a nonmetal, usually O.

PEROX PROCESS
DA January 27, 1975
BT1 Desulfurization
BT2 Chemical Reactions
RT Waste Processing
DEF Method for removal of H_2S from waste gases.

PEROXIDASES [01]
(Code number 1.11)
DA December 1, 1974
BT1 Oxidoreductases
BT2 Enzymes
BT3 Proteins
BT4 Organic Compounds
NT1 Catalase
RT Porphyrins

PEROXIDES [01]
DA December 1, 1974
BT1 Oxygen Compounds
NT1 Benzoyl Peroxide
NT1 Hydrogen Peroxide
NT1 Plutonium Peroxide
NT1 Uranium Peroxide
RT Peroxyacetyl Nitrate

PEROXY RADICALS [01]
DA December 1, 1974
BT1 Radicals

PEROXYACETYL NITRATE
DA August 24, 1976
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds
BT1 Nitric Acid Esters
BT2 Esters
BT3 Organic Compounds
RT Peroxides

PERRHENATES [01]
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
DA December 1, 1974
BT1 Oxygen Compounds
BT1 Rhenium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
RT Rhenium Oxides

PERRY-1 REACTOR [01]
(Perry, Ohio, USA)
DA December 1, 1974
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

PERRY-2 REACTOR [01]
(Perry, Ohio, USA)
DA December 1, 1974
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

PERRYMAN-1 REACTOR [01]
(Plant is to be located in northeastern Maryland. The reactor type has not been selected.)
DA September 19, 1977
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors

PERRYMAN-2 REACTOR [01]
(Plant is to be located in northeastern Maryland. The reactor type has not been selected.)
DA September 19, 1977
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors

PERSIAN GULF [01]
DA February 19, 1975
BT1 Arabian Sea
BT2 Indian Ocean
BT3 Seas
BT4 Surface Waters
NT1 Strait of Hormuz

PERSONAL COMPUTERS
(Prior to April 1985 this information was indexed to microprocessors.)
DA April 9, 1985
BT1 Microcomputers
BT2 Digital Computers
BT3 Computers
RT Data Processing

PERSONNEL [01]
(Studies of groups of persons employed in a particular field of endeavor. For studies on individuals in a group see also MAN.)
DA December 1, 1974
UF *Employees*
UF *Workers*
BT1 Man
BT2 Primates
BT3 Mammals
BT4 Vertebrates
BT5 Animals
NT1 Astronauts
NT1 Aviation Personnel
NT1 Builders
NT1 Clerical Personnel
NT1 Contractor Personnel
NT1 Craftsmen
NT1 Dial Painters
NT1 Medical Personnel
NT2 Radiological Personnel
NT1 Military Personnel
NT1 Miners
NT2 Coal Miners
NT1 Motor Vehicle Operators
NT1 Professional Personnel
NT2 Architects
NT2 Consultants
NT2 Engineers
NT2 Scientific Personnel
NT1 Reactor Operators
NT1 Security Personnel
RT Alternative Work Schedules
RT Human Factors
RT Human Factors Engineering
RT Human Populations
RT Industrial Medicine
RT Labor Relations
RT Man-Machine Systems
RT Management
RT Medical Surveillance
RT Occupations
RT Organizing
RT Personnel Dosimetry
RT Personnel Monitoring
RT Safety
RT Security Violations
RT Senior Executive Service
RT Wages
RT Work
RT Working Days

PERSONNEL DOSIMETRY [01]
DA December 1, 1974
UF *Personnel Film Dosimetry*
BT1 Dosimetry
RT External Irradiation
RT Occupations
RT Personnel
RT Personnel Monitoring
RT Thermoluminescent Dosemeters

Personnel Film Dosimetry
DA December 1, 1974
USE Personnel Dosimetry

PERSONNEL MANAGEMENT [01]
DA March 23, 1983
UF *Accountability (Personnel)*
SF *Accountability*
SF *Nepotism*
BT1 Management
RT Sick Leave

PERSONNEL MONITORING [01]
DA December 1, 1974
UF+ *Excretion Analysis*
BT1 Radiation Monitoring
BT2 Monitoring
RT Albedo-Neutron Dosemeters
RT Medical Surveillance
RT Personnel
RT Personnel Dosimetry
RT Radiation Doses
RT Radioactivity
RT Radionuclide Kinetics
RT Whole-Body Counting

PERSPEX [01]
DA December 1, 1974
BT1 Plastics
BT2 Petrochemicals
BT3 Petroleum Products
BT2 Synthetic Materials
BT3 Materials
BT1 Polyacrylates
BT2 Esters
BT3 Organic Compounds
BT2 Polyvinyls
BT3 Organic Polymers
BT4 Organic Compounds
BT4 Polymers

PERSULFATES [01]
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
DA December 1, 1974
BT1 Oxygen Compounds
BT1 Sulfur Compounds

PERSULFURIC ACID [01]
DA December 1, 1974
BT1 Sulfur Compounds
BT1 Sulfuric Acid
BT2 Inorganic Acids
BT3 Hydrogen Compounds

PERT METHOD [01]
DA December 1, 1974
UF *Critical Path Method*
RT Planning

PERTECHNETATES [01]
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
DA December 1, 1974
BT1 Oxygen Compounds
BT1 Technetium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
RT Technetium Oxides

PERTURBATION THEORY [01]
DA December 1, 1974
UF *Reductive Perturbation Method*
NT1 HSK Procedure
RT Adjoint Flux
RT Born Approximation
RT Brinkman-Kramers Approximation
RT Mathematics
RT Neutron Importance Function
RT Neutron Transport Theory
RT P1-Approximation
RT P3-Approximation
RT Quantum Mechanics
RT Quasilinear Problems
RT Rayleigh-Schroedinger Formula
RT Reactor Kinetics
RT Ritchie-Eldridge Theory
RT Scattering

Perturbations
DA December 1, 1974
USE Disturbances

PERTURBED ANGULAR CORRELATION [01]
DA December 1, 1974
BT1 Angular Correlation
BT2 Correlations
NT1 Differential PAC
NT1 Integral Pac
RT Nuclear Electric Moments
RT Nuclear Magnetic Moments

Perturbed Stationary States Method
DA December 1, 1974
USE PSS Method

PERU [01]
DA December 1, 1974
BT1 Developing Countries
BT1 South America
BT2 Latin America
RT Amazon River
RT Andes

PERYLENE [01]
DA December 1, 1974
BT1 Condensed Aromatics
BT2 Aromatics
BT3 Organic Compounds

PEST CONTROL [01]
DA December 1, 1974
BT1 Control
NT1 Genetic Control
NT1 Pest Eradication
RT Agriculture
RT Chemical Attractants
RT Insects
RT Mites
RT Parasites
RT Pesticides
RT Phosphines
RT Quarantine
RT Rodents
RT Sterile Insect Release
RT Sterile Male Technique

PEST ERADICATION [01]
DA October 1, 1975
BT1 Pest Control
BT2 Control
RT Insects
RT Parasites

PESTICIDES [01]
DA December 1, 1974
NT1 Fumigants
NT1 Fungicides
NT2 Cycloheximide
NT1 Herbicides
NT1 Insecticides
NT2 Aldrin
NT2 DDT
NT2 Dieldrin
NT2 Kepone
NT2 Lindane
NT2 Malathion
NT2 Parathion
RT Agriculture
RT Disinfectants
RT Disinfestation
RT Ecosystems
RT Grain Disinfestation
RT Mutagens
RT Parasites
RT Pest Control
RT Phosphines
RT Pollutants
RT Pollution

PETALITE
DA January 21, 1983
BT1 Silicate Minerals
BT2 Minerals
RT Aluminium Silicates
RT Lithium Silicates
DEF A lithium aluminium silicate of unit formula $Li_2Al_2Si_8O_{29}$ generally occurring in pegmatites.

PETHIDINE [01]
DA May 15, 1975
UF *Demerol*
UF *Dolantal*
UF *Meperidine*
BT1 Analgesics
BT2 Central Nervous System Depressants
BT3 Drugs
BT1 Aromatics
BT2 Organic Compounds
BT1 Monocarboxylic Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT1 Narcotics
BT2 Central Nervous System Depressants
BT3 Drugs
BT1 Piperidines
BT2 Amines
BT3 Organic Compounds
BT2 Pyridines
BT3 Azines
BT4 Heterocyclic Compounds
BT5 Organic Compounds
BT4 Organic Nitrogen Compounds
BT5 Organic Compounds

PETIT PROCESS
DA February 6, 1975
BT1 Desulfurization
BT2 Chemical Reactions

PETN [01]
DA December 1, 1974
UF *Pentaerythritol Tetranitrate*
BT1 Chemical Explosives
BT2 Explosives
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds
BT1 Nitric Acid Esters
BT2 Esters
BT3 Organic Compounds

PETRA STORAGE RING [01]
DA September 15, 1976
BT1 Storage Rings

Petrochemical Feedstocks
DA March 27, 1979
USE Chemical Feedstocks
AND Petrochemicals

PETROCHEMICAL PLANTS [01]
DA August 24, 1977
BT1 Chemical Plants
BT2 Industrial Plants
RT Petrochemicals
RT Petroleum Refineries

PETROCHEMICALS
DA February 19, 1975
UF+ *Petrochemical Feedstocks*
SF *Chemicals*
SF *Coal Chemicals*
BT1 Petroleum Products
NT1 Plastics
NT2 Aramids
NT2 Bakelite
NT2 Formvar
NT2 Laminac
NT2 Lucite
NT2 Mylar
NT2 Nylon
NT2 Perspex
NT2 Plexiglas
NT2 Polystyrene
NT2 Polyurethanes
NT3 Halthane
NT2 Reinforced Plastics
NT2 Tedlar
NT2 Teflon
NT2 Thermoplastics
NT1 Resins
RT Chemical Feedstocks
RT Chemical Plants
RT Petrochemical Plants
RT Synthetic Materials

PETROCHEMISTRY [01]
DA December 1, 1974
RT Mineralogy
RT Petrogenesis
RT Rocks
DEF The study of chemical composition of rocks; it is an aspect of geochemistry, and is not equivalent to petroleum chemistry.

PETROGENESIS [01]
DA December 1, 1974
BT1 Petrology
BT2 Geology
RT Diagenesis
RT Origin
RT Orogenesis
RT Paragenesis
RT Petrochemistry
RT Quartz Monzonite
RT Rocks
RT Tectonics
DEF A branch of petrology that deals with the origin and formation of rocks, esp. igneous rocks.

PETROGRAPHY [01]
DA December 15, 1976
BT1 Geology
RT Petrology

PETROLEUM [01]
(Limited to crude oil; see also COAL LIQUIDS, SHALE OIL, etc.)
DA December 1, 1974
UF *Crude Oil*
UF+ *Heavy Oils*
SF *Mineral Oil(s)*
BT1 Fossil Fuels
BT2 Energy Sources
BT2 Fuels
NT1 Petroleum Fractions
NT2 Petroleum Distillates
NT3 Gas Oils
NT4 Diesel Fuels
NT4 Heating Oils
NT4 Kerosene
NT2 Petroleum Residues
NT2 Refinery Gases
NT1 Residual Petroleum
NT1 Sour Crudes
RT Alaska Oil Pipeline
RT Deregulation
RT Distillation
RT Drilling Rigs
RT Energy Conservation and Production Act
RT Enhanced Recovery
RT Floating Roof Tanks
RT Fluidized Bed Hydrogenation Process
RT Gas Injection
RT Gas Lifts
RT Gas Recycle Hydrogenation Process
RT Gasynthan Process
RT Hydraulic Equipment
RT Hydrocarbons
RT Lightering
RT Maturation
RT Microemulsion Flooding
RT Miscible-Phase Displacement
RT Multiphase Flow
RT OAPEC
RT Oil Spills
RT Oil Wells
RT Oil Yields
RT OPEC
RT PAD Districts
RT Petroleum Deposits
RT Petroleum Industry
RT Petroleum Marketing Practices Act
RT Petroleum Refineries
RT Primary Recovery
RT Road Oils
RT Shell Gasification Process
RT SNG Processes
RT SOLFRAC Process
RT Storage Facilities
RT Strategic Petroleum Reserve
RT Synthetic Petroleum
RT Tanker Ships
RT Waterflooding

Petroleum Administration for Defense Districts
DA September 27, 1979
USE PAD Districts

Petroleum Coke
DA May 3, 1979
USE Coke
AND Petroleum Products

Petroleum Cooperatives
DA July 9, 1993
USE Cooperatives
AND Petroleum Industry

PETROLEUM DEPOSITS [01]
DA February 19, 1975

BT1 Geologic Deposits
BT1 Mineral Resources
BT2 Resources
NT1 Gas Condensate Fields
NT1 Oil Fields
NT1 US Naval Petroleum Reserves
RT Acidization
RT Anticlines
RT Associated Gas
RT Geologic Traps
RT Geophysical Surveys
RT Petroleum
RT Petroleum Geology
RT Petroleum Industry
RT Powder River Basin
RT Reserves
RT Seeps
RT Well Logging Equipment
RT Western US Overthrust Belt
RT Williston Basin

PETROLEUM DISTILLATES [01]
(Boiling point range 0-600°C.)
DA May 19, 1976
UF *Middle Distillates*
BT1 Distillates
BT1 Petroleum Fractions
BT2 Petroleum
BT3 Fossil Fuels
BT4 Energy Sources
BT4 Fuels
NT1 Gas Oils
NT2 Diesel Fuels
NT2 Heating Oils
NT2 Kerosene
RT Petroleum Products
RT Road Oils

Petroleum Ether
DA December 16, 1975
USE Ligroin

PETROLEUM FRACTIONS [01]
DA September 19, 1977
BT1 Petroleum
BT2 Fossil Fuels
BT3 Energy Sources
BT3 Fuels
NT1 Petroleum Distillates
NT2 Gas Oils
NT3 Diesel Fuels
NT3 Heating Oils
NT3 Kerosene
NT1 Petroleum Residues
NT1 Refinery Gases
RT Petroleum Products
DEF Hydrocarbon mixtures occurring in petroleum that can be characterized by specific physical properties such as boiling range, density, and viscosity.

PETROLEUM GEOLOGY [01]
DA March 28, 1979
BT1 Geology
RT Exploration
RT Natural Gas Deposits
RT Petroleum Deposits

PETROLEUM INDUSTRY [01]
DA February 19, 1975
UF+ *Petroleum Cooperatives*
BT1 Industry
NT1 LPG Industry
RT Exploitation
RT Horizontal Divestiture
RT Horizontal Integration
RT Mineral Industry
RT Petroleum
RT Petroleum Deposits
RT Petroleum Products
RT Petroleum Refineries
RT Vertical Divestiture
RT Vertical Integration
RT Windfall Profits Tax

PETROLEUM MARKETING PRACTICES ACT
DA December 10, 1979
BT1 Laws
RT Marketing
RT Petroleum

PETROLEUM PRODUCTS [01]
DA December 1, 1974
UF+ *Petroleum Coke*
NT1 Finished Oils
NT1 Fuel Oils
NT2 Heating Oils
NT2 Residual Fuels
NT1 Gas Oils
NT2 Diesel Fuels
NT2 Heating Oils
NT2 Kerosene
NT1 Gasoline
NT2 Unleaded Gasoline
NT1 Ligroin
NT1 Liquefied Petroleum Gases
NT1 Lubricating Oils
NT1 Petrochemicals
NT2 Plastics
NT3 Aramids
NT3 Bakelite
NT3 Formvar
NT3 Laminac
NT3 Lucite
NT3 Mylar
NT3 Nylon
NT3 Perspex
NT3 Plexiglas
NT3 Polystyrene
NT3 Polyurethanes
NT4 Halthane
NT3 Reinforced Plastics
NT3 Tedlar
NT3 Teflon
NT3 Thermoplastics
NT2 Resins
NT1 Refinery Gases
NT1 Unfinished Oils
RT Naphtha
RT Oils
RT Petroleum Distillates
RT Petroleum Fractions
RT Petroleum Industry
RT Petroleum Refineries
RT Refining
RT SNG Processes

PETROLEUM REFINERIES [01]
DA December 1, 1974
BT1 Industrial Plants
RT Activated Sludge Process
RT BOM Refining Districts
RT Distillation
RT Distillation Equipment
RT Entitlements Program
RT Petrochemical Plants
RT Petroleum
RT Petroleum Industry
RT Petroleum Products
RT Refinery Gases
RT Waste Oil Refineries

PETROLEUM RESIDUES [01]
(B.P. over 1100°F, 593°C; includes oil residues, residua.)
DA January 28, 1975
UF *Liquid Asphalt*
UF *Oil Residues*
UF *Resid*
UF *Residual Oils*
BT1 Petroleum Fractions
BT2 Petroleum
BT3 Fossil Fuels
BT4 Energy Sources
BT4 Fuels
RT Residual Fuels
RT Road Oils

Petroleum Stocks
DA December 16, 1975
USE Inventories

PETROLEUM SULFONATES [01]
DA August 4, 1976
BT1 Sulfonates
BT2 Organic Sulfur Compounds
BT3 Organic Compounds
BT1 Sulfonic Acid Esters
BT2 Esters
BT3 Organic Compounds
BT2 Organic Sulfur Compounds
BT3 Organic Compounds
DEF Mixtures of many surfactant compounds of the alkylaryl sulfonate type.

PETROLOGY [01]
DA December 1, 1974
BT1 Geology
NT1 Lithology
NT1 Petrogenesis
RT Coalification
RT Lithotypes
RT Macerals
RT Petrography
RT Quartz Monzonite
RT Rocks
DEF That branch of geology dealing with the origin, occurrence, structure, and history of rocks, esp. igneous and metamorphic rocks.

PETROSIX PROCESS
DA January 27, 1975
RT Oil Shales
DEF Process developed by Petrobras, Brazilian National Oil Company that is capable of handling oil shale fines; similar to gas combustion process except that an outside furnace is used for heating of recycle gas.

Petrov-Galerkin Method
DA December 1, 1974
USE Galerkin-Petrov Method

PETT
(Positron Emission Transaxial Tomography.)
DA June 6, 1980
USE Positron Computed Tomography

Petten High Flux Reactor
DA December 1, 1974
USE HFR Reactor

Petten Low Flux Reactor
DA December 1, 1974
USE LFR Reactor

Petten Stek Reactor
DA December 1, 1974
USE STEK Reactor

PETULA TOKAMAK [01]
DA December 16, 1975
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

PEV RANGE [01]
(10^{+15}eV < E < 10^{+18}eV)
DA August 24, 1976
BT1 Energy Range

PEWEE-1 REACTOR [01]
DA December 1, 1974
BT1 Hydrogen Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Space Propulsion Reactors
BT2 Propulsion Reactors
BT3 Reactors
BT2 Space Power Reactors
BT3 Mobile Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors

PEWEE-2 REACTOR [01]
DA December 1, 1974
BT1 Hydrogen Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Space Propulsion Reactors
BT2 Propulsion Reactors
BT3 Reactors
BT2 Space Power Reactors
BT3 Mobile Reactors
BT4 Reactors

BT3 Power Reactors
BT4 Reactors

PEWEE-3 REACTOR [01]
DA December 1, 1974
BT1 Hydrogen Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Space Propulsion Reactors
BT2 Propulsion Reactors
BT3 Reactors
BT2 Space Power Reactors
BT3 Mobile Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors

PEWEE-4 REACTOR [01]
DA December 1, 1974
BT1 Hydrogen Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Space Propulsion Reactors
BT2 Propulsion Reactors
BT3 Reactors
BT2 Space Power Reactors
BT3 Mobile Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors

PFIRSCH-SCHLUETER REGIME [01]
DA January 30, 1979
RT Collisional Plasma
RT Neoclassical Transport Theory
RT Tokamak Devices
DEF The transport regime in a tokamak plasma characterized by the mean free path shorter than the connection length. In this regime, the diffusion coefficient is q^2 times the classical value, where q >/= 1 is the safety factor.

PFR REACTOR [01]
DA December 1, 1974
UF *Dounreay Prototype Fast Reactor*
UF *Prototype Fast Reactor Dounreay*
BT1 FBR Type Reactors
BT2 Breeder Reactors
BT3 Reactors
BT2 Fast Reactors
BT3 Epithermal Reactors
BT4 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Sodium Cooled Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors
RT Enriched Uranium Reactors
RT Plutonium Reactors

Ph'chromosome
DA December 1, 1974
USE Philadelphia Chromosome

PH VALUE [01]
DA December 1, 1974
UF *Acidity*
UF *Neutralization (Chemical)*
RT Acid Neutralizing Capacity
RT Bases
RT Buffers
RT Inorganic Acids
RT Liming
RT Nucleic Acid Denaturation
RT Organic Acids
RT Protein Denaturation

PHAEDRUS MIRROR DEVICES [01]
DA March 20, 1989
BT1 Tandem Mirrors
BT2 Magnetic Mirrors
BT3 Open Plasma Devices
BT4 Thermonuclear Devices

Phages
DA December 1, 1974
USE Bacteriophages

PHAGOCYTES [01]
DA December 1, 1974
BT1 Somatic Cells
BT2 Animal Cells
NT1 Macrophages
RT Leukocytes
RT Phagocytosis

PHAGOCYTOSIS [01]
DA December 1, 1974
RT Amoeba
RT Cell Constituents
RT Excretion
RT Immune Reactions
RT Intracellular Digestion
RT Macrophages
RT Phagocytes
RT Reticuloendothelial System

PHANEROCHAETE [01]
DA March 29, 1979
BT1 Eumycota
BT2 Fungi
BT3 Plants
DEF Ligninolytic fungus

PHANTOMS [01]
DA December 1, 1974
BT1 Mockup
BT2 Structural Models
RT Biological Models
RT Depth Dose Distributions
RT Functional Models
RT Isodose Curves
RT Radiotherapy
RT Tissue-Equivalent Materials

Pharmaceuticals
DA December 1, 1974
USE Drugs

PHARMACOLOGY [01]
DA December 1, 1974
RT Drugs

Pharmacotherapy
DA December 1, 1974
USE Chemotherapy

PHAROS DEVICES [01]
DA December 1, 1974
BT1 Linear Theta Pinch Devices
BT2 Linear Pinch Devices
BT3 Open Plasma Devices
BT4 Thermonuclear Devices
BT3 Pinch Devices
BT4 Thermonuclear Devices

PHARYNX [01]
DA December 1, 1974
UF *Nasopharynx*
UF *Throat*
UF+ *Tonsils*
BT1 Digestive System
BT1 Organs
BT2 Body
BT1 Respiratory System
RT Neck
RT Oral Cavity

PHASE CHANGE MATERIALS [01]
(Use with the specific phase change material (e.g. calcium chloride) when known.)
DA July 5, 1978
BT1 Materials
RT Eutectics
RT Fusion Heat
RT Latent Heat Storage
RT Paraffin
RT Phase Transformations
RT Transition Heat
DEF Materials that undergo a phase change, e.g., solid to liquid.

PHASE DIAGRAMS [01]
DA December 1, 1974
UF *State Diagrams*
BT1 Diagrams
RT Allotropy
RT Alloy Systems
RT Critical Temperature
RT Eutectics
RT Eutectoids
RT Gases
RT Glass
RT Liquids
RT Melting Points
RT Microstructure
RT Monotectics
RT Monotectoids
RT Phase Rule
RT Phase Studies
RT Phase Transformations
RT Solid Solutions
RT Solids
RT Thermal Analysis
RT Triple Point

Phase Factor
DA September 19, 1977
USE Power Factor

PHASE OSCILLATIONS [01]
DA December 1, 1974
BT1 Beam Dynamics
BT1 Oscillations

PHASE RULE [01]
DA December 1, 1974
RT Phase Diagrams

PHASE SHIFT [01]
DA December 1, 1974
RT Aharonov-Bohm Effect
RT Argand Diagrams
RT Partial Waves
RT Scattering

PHASE SPACE [01]
DA December 1, 1974
BT1 Mathematical Space
BT2 Space
RT Attractors
RT Dalitz Plot
RT Ergodic Hypothesis
RT Liouville Theorem
RT Mathematics
RT Prism Plot

PHASE STABILITY [01]
DA December 1, 1974
BT1 Stability
RT Beam Dynamics

PHASE STUDIES [01]
DA December 1, 1974
RT Phase Diagrams
RT Phase Transformations
RT Thermochemical Diagrams
RT Thermodynamic Activity

PHASE TRANSFORMATIONS [01]
DA December 1, 1974
UF *Transformations (Phase)*
UF *Transitions (Phase)*
NT1 Boiling
NT2 Film Boiling
NT2 Nucleate Boiling
NT3 Departure Nucleate Boiling
NT2 Pool Boiling
NT2 Subcooled Boiling
NT2 Transition Boiling
NT1 Crystal-Phase Transformations
NT1 Crystallization
NT1 Evaporation
NT2 Flashing
NT2 Sublimation
NT2 Vacuum Evaporation
NT1 Melting
NT2 Electron Beam Melting
NT2 Vacuum Melting
NT2 Zone Melting
NT1 Order-Disorder Transformations
NT1 Solidification
RT Allotropy
RT Critical Temperature
RT Eutectics
RT Eutectoids
RT Glass
RT Guinier-Preston Zones
RT Habit Planes
RT Microstructure
RT Phase Change Materials

RT Phase Diagrams
RT Phase Studies
RT Thermal Analysis
RT Transition Heat
RT Transition Temperature
RT Triple Point
RT Widmanstaetten Structure

PHASE VELOCITY [01]
DA June 30, 1975
BT1 Velocity
RT Wave Propagation

PHASEOLUS [01]
DA December 1, 1974
UF *Bean Plant*
BT1 Leguminosae
BT2 Magnoliopsida
BT3 Magnoliophyta
BT4 Plants
RT Beans
RT Mungbeans
RT Phytohemagglutinin

Phasotrons
DA December 1, 1974
USE Synchrocyclotrons

PHEBUS FACILITY [01]
(Neodymium glass laser facility at Limeil (France) for laser fusion experiments.)
DA April 8, 1987
RT Neodymium Lasers

→**PHEBUS REACTOR [01]**
(Nuclear Protection and Safety Institute, CEA St. Paul lez Durance, France.)
DA June 1, 1990
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

Phenacetin
(Prior to April 1981, this concept was indexed to ANALGESICS and ANTIPYRETICS.)
DA December 1, 1974
USE Acetophenetidin

PHENANTHRENE [01]
DA December 1, 1974
BT1 Condensed Aromatics
BT2 Aromatics
BT3 Organic Compounds
BT1 Hydrocarbons
BT2 Organic Compounds

PHENANTHROLINE-ORTHO [01]
DA December 1, 1974
BT1 Phenanthrolines
BT2 Azaarenes
BT3 Aromatics
BT4 Organic Compounds
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
BT1 Reagents
RT Ferroin

PHENANTHROLINES [01]
DA December 1, 1974
BT1 Azaarenes
BT2 Aromatics
BT3 Organic Compounds
BT2 Heterocyclic Compounds
BT3 Organic Compounds
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
NT1 Ferroin
NT1 Phenanthroline-Ortho

PHENATINE [01]
DA December 1, 1974
BT1 Amides
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
BT1 Organic Oxygen Compounds
BT2 Organic Compounds
BT1 Pyridines
BT2 Azines
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds

PHENAZINE [01]
DA December 1, 1974
BT1 Pyrazines
BT2 Azines
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds

PHENETHYL RADICALS [01]
DA December 1, 1974
BT1 Aryl Radicals
BT2 Radicals

PHENIX REACTOR [01]
(Marcoule, Gard, France)
DA December 1, 1974
UF *Marcoule Phenix Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 LMFBR Type Reactors
BT2 FBR Type Reactors
BT3 Breeder Reactors
BT4 Reactors
BT3 Fast Reactors
BT4 Epithermal Reactors
BT5 Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors
BT1 Plutonium Reactors
BT2 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Sodium Cooled Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors

PHENOBARBITAL [01]
DA December 1, 1974
UF *Luminal*
BT1 Anticonvulsants
BT2 Central Nervous System Depressants
BT3 Drugs
BT1 Barbiturates
BT2 Anesthetics
BT3 Central Nervous System Depressants
BT4 Drugs
BT2 Hypnotics and Sedatives
BT3 Central Nervous System Depressants
BT4 Drugs
BT2 Organic Oxygen Compounds
BT3 Organic Compounds
BT2 Pyrimidines
BT3 Azines
BT4 Heterocyclic Compounds
BT5 Organic Compounds
BT4 Organic Nitrogen Compounds
BT5 Organic Compounds

PHENOL [01]
DA December 1, 1974
UF *Hydroxybenzene*
BT1 Phenols
BT2 Aromatics
BT3 Organic Compounds
BT2 Hydroxy Compounds
BT3 Organic Compounds

PHENOLATES
DA November 17, 1976
RT Phenols

PHENOLOGY
DA March 29, 1980
RT Climates
DEF A branch of science dealing with the relations between climate and periodic biological phenomena.

PHENOLPHTHALEIN [01]
DA December 1, 1974
BT1 Carboxylic Acid Esters
BT2 Esters
BT3 Organic Compounds
BT1 Indicators
BT1 Phenols
BT2 Aromatics
BT3 Organic Compounds
BT2 Hydroxy Compounds
BT3 Organic Compounds
RT Phthalic Acid

PHENOLS [01]
DA December 1, 1974
BT1 Aromatics
BT2 Organic Compounds
BT1 Hydroxy Compounds
BT2 Organic Compounds
NT1 Amidol
NT1 BAMBP
NT1 Cresols
NT1 Dinitrophenol
NT1 Eriochrome Dyes
NT1 Naphthols
NT2 1-Nitroso-2-Naphthol
NT2 Acid Chrome Dyes
NT2 Beryllon
NT2 Nitroso-R Salt
NT2 PAN
NT2 Thorin
NT2 Trypan Blue
NT1 Nitrophenol
NT1 Phenol
NT1 Phenolphthalein
NT1 Picric Acid
NT1 Polyphenols
NT2 Arsenazo
NT2 Aurin
NT2 Bromosulfophthalein
NT2 Catecholamines
NT2 Curcumin
NT2 Dopamine
NT2 Fluorescein
NT3 Erythrosine
NT2 Hematoxylin
NT2 Morin
NT2 Pyridylazoresorcinol
NT2 Pyrocatechol
NT2 Pyrogallol
NT2 Quercetin
NT2 Resorcinol
NT2 Stilbestrol
NT2 Tannic Acid
NT2 Tiron
NT1 POP
NT1 Thymol
NT1 Tyramine
NT1 Xylenols
RT Alkoxides
RT Bakelite
RT Dephenolization
RT Phenolates
RT PHENOSOLVAN Process

PHENOSOLVAN PROCESS
DA March 23, 1983
BT1 Solvent Extraction
BT2 Extraction
BT3 Separation Processes
RT Phenols
DEF Proprietary process for extracting phenols from gas liquids by counter current contact with isopropyl ether solvent.

PHENOTHIAZINES [01]
DA December 1, 1974
BT1 Azines
BT2 Heterocyclic Compounds
BT3 Organic Compounds
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
BT1 Organic Sulfur Compounds
BT2 Organic Compounds
NT1 Chlorpromazine

NT1 Methylene Blue
RT Thionine
RT Tranquilizers

PHENOTYPE [01]
DA December 1, 1974
RT Genotype
RT Ontogenesis

PHENOXY RADICALS [01]
DA December 1, 1974
BT1 Radicals

PHENYL ETHER
DA January 22, 1975
UF+ *Dowtherm*
BT1 Ethers
BT2 Organic Oxygen Compounds
BT3 Organic Compounds

Phenyl Methyl Ether
DA December 1, 1974
USE Anisole

PHENYL RADICALS [01]
DA December 1, 1974
BT1 Aryl Radicals
BT2 Radicals

Phenylacetylene
DA December 1, 1974
USE Tolan

Phenylacrylic Acid-Beta
DA December 1, 1974
USE Cinnamic Acid

PHENYLALANINE [01]
DA December 1, 1974
UF *Aminophenylacetic Acid-alpha*
BT1 Amino Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
RT DOPA
RT Tyrosine

Phenylamine
DA December 1, 1974
USE Aniline

Phenylcarbinol
DA February 23, 1982
USE Benzyl Alcohol

PHENYLENE RADICALS [01]
DA December 1, 1974
BT1 Radicals

Phenylethylene
DA December 1, 1974
USE Styrene

Phenylhydroxylamine
DA December 1, 1974
USE Cupferron

Phenylisopropylamine
DA December 1, 1974
USE Benzedrine

PHEROMONE [01]
DA December 1, 1974
BT1 Chemical Attractants
BT1 Secretion
RT Insects
RT Sex
RT Yeasts

PHI4-FIELD THEORY [01]
DA May 1, 1978
BT1 Quantum Field Theory
BT2 Field Theories
RT Boundary Conditions
RT Haag Theorem
RT Heisenberg Model
RT Ising Model
RT Locality
RT Radiative Corrections

Phi-1019 Resonances
(Prior to January 1988 this was a valid descriptor.)
DA December 1, 1974
USE Phi-1020 Mesons

PHI-1020 MESONS [01]
(Prior to January 1988 this concept was indexed by Phi-1019 Resonances.)
DA January 25, 1988
UF *Phi-1019 Resonances*
BT1 Strangeonium
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles
BT2 Quarkonium
BT1 Vector Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

PHI-1680 MESONS [01]
DA February 1, 1988
BT1 Strangeonium
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles
BT2 Quarkonium
BT1 Vector Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

PHI J-1850 MESONS [01]
DA February 1, 1988
BT1 Strangeonium
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles
BT2 Quarkonium
BT1 Tensor Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

PHILADELPHIA CHROMOSOME [01]
DA December 1, 1974
UF *Ph'chromosome*
BT1 Chromosomes
RT Myeloid Leukemia

Philadelphia Electric Power Reactor-1
DA December 1, 1974
USE Limerick-1 Reactor

Philadelphia Electric Power Reactor-2
DA December 1, 1974
USE Limerick-2 Reactor

PHILCO COMPUTERS [01]
DA December 1, 1974
BT1 Computers

PHILIPPINE ATOMIC ENERGY COMMISSION [01]
DA October 19, 1977
UF *PAEC*
BT1 Philippine Organizations
BT2 National Organizations
NT1 Philippine Atomic Research Center

PHILIPPINE ATOMIC RESEARCH CENTER [01]
DA October 19, 1977
BT1 Philippine Atomic Energy Commission
BT2 Philippine Organizations
BT3 National Organizations

Philippine Nuclear Power Plant-1
DA July 8, 1982
USE PNPP-1 Reactor

→**PHILIPPINE NUCLEAR RESEARCH INSTITUTE [01]**
DA October 9, 1990
BT1 Philippine Organizations
BT2 National Organizations

PHILIPPINE ORGANIZATIONS [01]
DA June 2, 1977
BT1 National Organizations
NT1 Philippine Atomic Energy Commission
NT2 Philippine Atomic Research Center
NT1 Philippine Nuclear Research Institute

Philippine Research Reactor-1
DA December 1, 1974
USE PRR-1 Reactor

PHILIPPINES [01]
DA December 1, 1974
BT1 Asia
BT1 Developing Countries
BT1 Islands
RT Pacific Ocean
RT Palimpinon Geothermal Field
RT Tiwi Geothermal Field
RT Tongonan Geothermal Field

PHILIPPSBURG-1 REACTOR [01]
DA December 1, 1974
UF *Kernkraftwerk Philippsburg-1*
UF *KKP-1 Philippsburg Reactor*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

PHILIPPSBURG-2 REACTOR [01]
DA December 1, 1974
UF *Kernkraftwerk Philippsburg-2*
UF *KKP-2 Philippsburg Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

PHILIPS GAGES [01]
DA December 1, 1974
UF *Penning Gages*
BT1 Ionization Gages
BT2 Vacuum Gages
BT3 Pressure Gages
BT4 Measuring Instruments
RT Sputter-Ion Pumps

PHIPPS BEND-1 REACTOR [01]
(Surgoinsville, Tennessee, USA)
DA December 16, 1975
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
RT GE Standard Reactor

PHIPPS BEND-2 REACTOR [01]
(Surgoinsville, Tennessee, USA)
DA December 16, 1975
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors

BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
RT GE Standard Reactor

Phloredzin
DA December 1, 1974
USE Phlorizin

Phlorhizin
DA December 1, 1974
USE Phlorizin

PHLORIZIN [01]
DA December 1, 1974
UF *Phloredzin*
UF *Phlorhizin*
BT1 Glycosides
BT2 Carbohydrates
BT3 Organic Compounds
BT1 Ketones
BT2 Organic Compounds

PHOEBUS-1A REACTOR [01]
DA December 1, 1974
UF *Rocket Reactor Experiment Phoebus-1A*
BT1 Hydrogen Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Space Propulsion Reactors
BT2 Propulsion Reactors
BT3 Reactors
BT2 Space Power Reactors
BT3 Mobile Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors

PHOEBUS-1B REACTOR [01]
DA December 1, 1974
UF *Rocket Reactor Experiment Phoebus-1B*
BT1 Hydrogen Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Space Propulsion Reactors
BT2 Propulsion Reactors
BT3 Reactors
BT2 Space Power Reactors
BT3 Mobile Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors

PHOEBUS-2A REACTOR [01]
DA December 1, 1974
UF *Rocket Reactor Experiment Phoebus-2A*
BT1 Hydrogen Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Space Propulsion Reactors
BT2 Propulsion Reactors
BT3 Reactors
BT2 Space Power Reactors
BT3 Mobile Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors

PHOENIX DEVICES [01]
DA December 1, 1974
BT1 Magnetic Mirrors
BT2 Open Plasma Devices
BT3 Thermonuclear Devices

PHONONS [01]
DA December 1, 1974
BT1 Quasi Particles
RT Acoustic ESR
RT Acoustic NMR
RT Landau Liquid Helium Theory
RT Photoacoustic Effect
RT Quasiparticle-Phonon Model
RT Solitons
RT Umklapp Processes

PHORBOL ESTERS [01]
DA May 6, 1980
BT1 Carcinogens
BT1 Esters
BT2 Organic Compounds

PHOSAM PROCESS
DA March 23, 1983
BT1 Separation Processes
RT Ammonia
DEF Absorber unit for recovering ammonia from the vapor phase with ammonium phosphate solution.

PHOSGENE [01]
DA December 1, 1974
UF *Carbon Oxychloride*
UF *Carbonyl Chloride*
BT1 Carbonic Acid Derivatives
BT2 Organic Compounds
BT1 Organic Chlorine Compounds
BT2 Organic Halogen Compounds
BT3 Organic Compounds
RT Thiophosgene

PHOSPHATASES [01]
(Code number 3.1.3.)
DA December 1, 1974
BT1 Esterases
BT2 Hydrolases
BT3 Enzymes
BT4 Proteins
BT5 Organic Compounds
NT1 Acid Phosphatase
NT1 Alkaline Phosphatase
NT1 Nucleotidases

PHOSPHATE GLASS [01]
DA December 1, 1974
BT1 Glass
RT RPL Dosemeters

PHOSPHATE MINERALS [01]
DA May 12, 1982
BT1 Minerals
NT1 Apatites
NT1 Autunite
NT1 Dumontite
NT1 Florencite
NT1 Lermontovite
NT1 Monazites
NT1 Parsonsite
NT1 Phosphuranylite
NT1 Saleeite
NT1 Steenstrupine
NT1 Torbernite
NT1 Uranocircite
NT1 Xenotime
RT Aluminium Phosphates
RT Barium Phosphates
RT Cerium Phosphates
RT Copper Phosphates
RT Ningyoite
RT Phosphate Rocks
RT Phosphorites
RT Uranium Phosphates
RT Yttrium Phosphates

PHOSPHATE PROCESS
DA April 12, 1977
BT1 Desulfurization
BT2 Chemical Reactions
RT Waste Processing
DEF Buffered aqueous absorption process using sodium phosphate solution to absorb sulfur dioxide from flue gas.

PHOSPHATE ROCKS [01]
DA October 13, 1976
BT1 Sedimentary Rocks
BT2 Rocks
NT1 Phosphorites
RT Calcium Carbonates
RT Calcium Phosphates
RT Phosphate Minerals

PHOSPHATES [01]
(For salts only; see also PHOSPHORIC ACID ESTERS.)
DA December 1, 1974
BT1 Oxygen Compounds
BT1 Phosphorus Compounds
NT1 Acid Phosphates
NT2 Superphosphates
NT1 Aluminium Phosphates
NT2 Sabugalite
NT1 Americium Phosphates
NT1 Ammonium Phosphates
NT1 Barium Phosphates
NT1 Berkelium Phosphates
NT1 Beryllium Phosphates
NT1 Bismuth Phosphates
NT1 Boron Phosphates
NT1 Cadmium Phosphates
NT1 Calcium Phosphates
NT1 Cerium Phosphates
NT1 Cesium Phosphates
NT1 Chromium Phosphates
NT1 Cobalt Phosphates
NT1 Copper Phosphates
NT1 Dysprosium Phosphates
NT1 Erbium Phosphates
NT1 Europium Phosphates
NT1 Gadolinium Phosphates
NT1 Gallium Phosphates
NT1 Germanium Phosphates
NT1 Hafnium Phosphates
NT1 Holmium Phosphates
NT1 Indium Phosphates
NT1 Iron Phosphates
NT1 Lanthanum Phosphates
NT1 Lead Phosphates
NT2 Dewindtite
NT1 Lithium Phosphates
NT1 Lutetium Phosphates
NT1 Magnesium Phosphates
NT1 Manganese Phosphates
NT1 Molybdenum Phosphates
NT1 Molybdophosphates
NT1 Neodymium Phosphates
NT1 Neptunium Phosphates
NT1 Nickel Phosphates
NT1 Niobium Phosphates
NT1 Plutonium Phosphates
NT1 Potassium Phosphates
NT1 Praseodymium Phosphates
NT1 Promethium Phosphates
NT1 Protactinium Phosphates
NT1 Rubidium Phosphates
NT1 Samarium Phosphates
NT1 Scandium Phosphates
NT1 Silicon Phosphates
NT1 Silver Phosphates
NT1 Sodium Phosphates
NT1 Strontium Phosphates
NT1 Tantalum Phosphates
NT1 Technetium Phosphates
NT1 Terbium Phosphates
NT1 Thallium Phosphates
NT1 Thorium Phosphates
NT1 Thulium Phosphates
NT1 Tin Phosphates
NT1 Titanium Phosphates
NT1 Uranium Phosphates
NT2 Dewindtite
NT2 Natroautunite
NT2 Sabugalite
NT1 Uranyl Phosphates
NT1 Vanadium Phosphates
NT1 Xenon Phosphates
NT1 Ytterbium Phosphates
NT1 Yttrium Phosphates
NT1 Zinc Phosphates
NT1 Zirconium Phosphates
RT Phosphorites
RT Pircon-Peck Process

Phosphatides
DA December 1, 1974
USE Phospholipids

Phosphatidylcholine
DA March 4, 1986
USE Lecithins

PHOSPHIDES [01]
DA December 1, 1974
UF+ *Americium Phosphides*
UF+ *Sodium Phosphides*
BT1 Phosphorus Compounds
BT1 Pnictides
NT1 Aluminium Phosphides
NT1 Berkelium Phosphides
NT1 Beryllium Phosphides

NT1 Boron Phosphides
NT1 Cadmium Phosphides
NT1 Cerium Phosphides
NT1 Cobalt Phosphides
NT1 Copper Phosphides
NT1 Curium Phosphides
NT1 Dysprosium Phosphides
NT1 Erbium Phosphides
NT1 Europium Phosphides
NT1 Gadolinium Phosphides
NT1 Gallium Phosphides
NT1 Germanium Phosphides
NT1 Hafnium Phosphides
NT1 Holmium Phosphides
NT1 Indium Phosphides
NT1 Iron Phosphides
NT1 Lanthanum Phosphides
NT1 Lithium Phosphides
NT1 Manganese Phosphides
NT1 Molybdenum Phosphides
NT1 Neptunium Phosphides
NT1 Nickel Phosphides
NT1 Nicrobraz 50
NT1 Niobium Phosphides
NT1 Osmium Phosphides
NT1 Palladium Phosphides
NT1 Platinum Phosphides
NT1 Plutonium Phosphides
NT1 Potassium Phosphides
NT1 Praseodymium Phosphides
NT1 Rhodium Phosphides
NT1 Ruthenium Phosphides
NT1 Samarium Phosphides
NT1 Scandium Phosphides
NT1 Silicon Phosphides
NT1 Tantalum Phosphides
NT1 Terbium Phosphides
NT1 Thorium Phosphides
NT1 Thulium Phosphides
NT1 Tin Phosphides
NT1 Titanium Phosphides
NT1 Tungsten Phosphides
NT1 Uranium Phosphides
NT1 Vanadium Phosphides
NT1 Ytterbium Phosphides
NT1 Yttrium Phosphides
NT1 Zinc Phosphides
NT1 Zirconium Phosphides

PHOSPHINE OXIDES [01]
DA September 23, 1985
BT1 Oxygen Compounds
BT1 Phosphines
BT2 Phosphorus Compounds
NT1 CMPO
NT1 TOPO
NT1 TPO

PHOSPHINES [01]
DA December 1, 1974
BT1 Phosphorus Compounds
NT1 Phosphine Oxides
NT2 CMPO
NT2 TOPO
NT2 TPO
RT Pest Control
RT Pesticides
RT TPO

PHOSPHINIC ACID ESTERS [01]
DA December 1, 1974
BT1 Esters
BT2 Organic Compounds
BT1 Organic Phosphorus Compounds
BT2 Organic Compounds
RT Phosphinic Acids

PHOSPHINIC ACIDS
DA January 22, 1975
UF *Organophosphinic Acids*
BT1 Organic Acids
BT2 Organic Compounds
BT1 Organic Phosphorus Compounds
BT2 Organic Compounds
RT Phosphinic Acid Esters

Phosphites
DA December 1, 1974
USE Phosphorous Acid

PHOSPHOCREATINE [01]
DA December 1, 1974
BT1 Amino Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT1 Organic Phosphorus Compounds
BT2 Organic Compounds
RT Creatine

PHOSPHODIESTERASES [01]
(Code number 3.1.4.)
DA January 12, 1981
BT1 Esterases
BT2 Hydrolases
BT3 Enzymes
BT4 Proteins
BT5 Organic Compounds
NT1 DNA-ase
NT2 Endonucleases
NT1 Nucleases
NT1 RNA-ase

PHOSPHOENOLPYRUVATE
DA October 10, 1984
UF *PEP*
RT Biosynthesis
RT Carbohydrates
RT Carbon Dioxide
RT Chemical Reactions
RT Metabolism
RT Photosynthesis
RT Uptake
DEF An intermediate compound in both the C_4 photosynthetic pathway and carbohydrate metabolism.

PHOSPHOHYDROLASES [01]
(Code number 3.6.1.)
DA January 30, 1981
BT1 Acid Anhydrases
BT2 Hydrolases
BT3 Enzymes
BT4 Proteins
BT5 Organic Compounds
NT1 ATP-ase

PHOSPHOLIPIDS [01]
DA December 1, 1974
UF *Phosphatides*
BT1 Esters
BT2 Organic Compounds
BT1 Lipids
BT2 Organic Compounds
BT1 Organic Phosphorus Compounds
BT2 Organic Compounds
NT1 Cardiolipin
NT1 Cephalins
NT1 Lecithins
NT1 Sphingomyelins

Phosphomolybdic Acid
DA May 23, 1980
USE Molybdophosphoric Acid

PHOSPHONATES [01]
(For salts only; see also PHOSPHONIC ACID ESTERS.)
DA January 22, 1975
BT1 Organic Phosphorus Compounds
BT2 Organic Compounds

PHOSPHONIC ACID ESTERS [01]
DA December 1, 1974
SF *DEHPA*
BT1 Esters
BT2 Organic Compounds
BT1 Organic Phosphorus Compounds
BT2 Organic Compounds
NT1 DAMPA
NT1 DHDECMP

PHOSPHONIC ACIDS
DA April 8, 1975
BT1 Organic Acids
BT2 Organic Compounds
BT1 Organic Phosphorus Compounds
BT2 Organic Compounds

PHOSPHOPROTEINS
DA April 24, 1987
BT1 Proteins
BT2 Organic Compounds
RT Cyclases
RT Phosphotransferases
RT Post-Translation Modification
DEF Proteins which have phosphoric acid as a prosthetic group.

PHOSPHORESCENCE [01]
DA December 1, 1974
BT1 Luminescence
RT Afterglow
RT Phosphors

PHOSPHORIC ACID [01]
DA December 1, 1974
UF *Hydrogen Phosphates*
BT1 Inorganic Acids
BT2 Hydrogen Compounds
RT Molybdophosphoric Acid
RT Tungstophosphoric Acid

PHOSPHORIC ACID ESTERS [01]
DA December 1, 1974
BT1 Esters
BT2 Organic Compounds
BT1 Organic Phosphorus Compounds
BT2 Organic Compounds
NT1 Butyl Phosphates
NT2 DBP
NT2 MBP
NT2 TBP
NT1 HDEHP
NT1 MDPA
NT1 Phytic Acid
NT1 T2EHP
NT1 TCP

PHOSPHORITES [01]
DA January 22, 1975
BT1 Phosphate Rocks
BT2 Sedimentary Rocks
BT3 Rocks
RT Phosphate Minerals
RT Phosphates
DEF A sedimentary rock composed chiefly of phosphate.

PHOSPHOROUS ACID [01]
DA December 1, 1974
UF *Phosphites*
BT1 Inorganic Acids
BT2 Hydrogen Compounds

PHOSPHORS [01]
DA December 1, 1974
UF *Fluors*
NT1 Glass Scintillators
NT1 Inorganic Phosphors
NT2 Cadmium Sulfides
NT2 Cadmium Tungstates
NT2 Calcium Tungstates
NT2 Cesium Iodides
NT2 Lithium Iodides
NT2 Potassium Iodides
NT2 Sodium Iodides
NT2 Zinc Sulfides
NT1 Liquid Scintillators
NT1 Organic Crystal Phosphors
NT1 Plastic Scintillators
RT Luminescent Chambers
RT Luminescent Concentrators
RT Luminescent Dosemeters
RT Phosphorescence
RT Scintillation Counters

PHOSPHORUS [01]
DA December 1, 1974
BT1 Nonmetals
BT2 Elements

PHOSPHORUS 21 [01]
DA December 1, 1974
BT1 Light Nuclei
BT2 Nuclei

BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Phosphorus Isotopes
BT2 Isotopes

PHOSPHORUS 24 [01]
DA May 1, 1978
BT1 Light Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Phosphorus Isotopes
BT2 Isotopes

PHOSPHORUS 26 [01]
DA April 28, 1983
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Phosphorus Isotopes
BT2 Isotopes

PHOSPHORUS 27 [01]
DA January 22, 1975
BT1 Light Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Phosphorus Isotopes
BT2 Isotopes

PHOSPHORUS 28 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Phosphorus Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

PHOSPHORUS 29 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Phosphorus Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

PHOSPHORUS 30 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Phosphorus Isotopes
BT2 Isotopes

PHOSPHORUS 30 TARGET [01]
DA November 29, 1984
BT1 Targets

PHOSPHORUS 31 [01]
DA December 1, 1974
BT1 Light Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Phosphorus Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

PHOSPHORUS 31 BEAMS [01]
DA September 15, 1983
BT1 Ion Beams
BT2 Beams

PHOSPHORUS 31 REACTIONS [01]
DA July 6, 1978
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

PHOSPHORUS 31 TARGET [01]
DA July 9, 1976
BT1 Targets

PHOSPHORUS 32 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Phosphorus Isotopes
BT2 Isotopes

PHOSPHORUS 32 TARGET [01]
DA July 9, 1976
BT1 Targets

PHOSPHORUS 33 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Phosphorus Isotopes
BT2 Isotopes

PHOSPHORUS 34 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Phosphorus Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

PHOSPHORUS 35 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Phosphorus Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

PHOSPHORUS 36 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Phosphorus Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

PHOSPHORUS 37 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Phosphorus Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

PHOSPHORUS 38 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Phosphorus Isotopes
BT2 Isotopes

PHOSPHORUS 39 [01]
DA August 9, 1977
BT1 Light Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Phosphorus Isotopes
BT2 Isotopes

PHOSPHORUS 40 [01]
DA October 23, 1979
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Phosphorus Isotopes
BT2 Isotopes

PHOSPHORUS 41 [01]
DA February 11, 1980
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei

BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Phosphorus Isotopes
BT2 Isotopes

PHOSPHORUS 42 [01]
DA February 11, 1980
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Phosphorus Isotopes
BT2 Isotopes

PHOSPHORUS 43 [01]
DA October 16, 1989
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Phosphorus Isotopes
BT2 Isotopes

PHOSPHORUS 44 [01]
DA October 16, 1989
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Phosphorus Isotopes
BT2 Isotopes

→**PHOSPHORUS 45 [01]**
DA May 16, 1990
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Phosphorus Isotopes
BT2 Isotopes

→**PHOSPHORUS 46 [01]**
DA November 20, 1990
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Phosphorus Isotopes
BT2 Isotopes

PHOSPHORUS ADDITIONS [01]
DA December 1, 1974
BT1 Alloys

PHOSPHORUS BROMIDES [01]
DA December 1, 1974
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Phosphorus Compounds

PHOSPHORUS CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Phosphorus Compounds

PHOSPHORUS COMPLEXES [01]
DA December 1, 1974
BT1 Complexes

PHOSPHORUS COMPOUNDS [01]
DA December 1, 1974
NT1 Molybdophosphoric Acid
* NT1 Phosphates
* NT1 Phosphides
NT1 Phosphines
NT2 Phosphine Oxides
NT3 CMPO
NT3 TOPO
NT3 TPO
NT1 Phosphorus Bromides
NT1 Phosphorus Chlorides
NT1 Phosphorus Fluorides
NT1 Phosphorus Hydrides
NT1 Phosphorus Iodides
NT1 Phosphorus Nitrides
NT1 Phosphorus Oxides
NT1 Phosphorus Sulfides
NT1 Pyrophosphates
NT1 Tungstophosphates
RT Organic Phosphorus Compounds

PHOSPHORUS FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Phosphorus Compounds

PHOSPHORUS-GROUP TRANSFERASES [01]
(Code number 2.7.)
DA January 30, 1981
BT1 Transferases
BT2 Enzymes
BT3 Proteins
BT4 Organic Compounds
NT1 Nucleotidyltransferases
NT2 Polymerases
NT3 DNA Polymerases
NT3 RNA Polymerases
NT1 Phosphotransferases
NT2 Hexokinase
NT2 Streptidine Kinase

PHOSPHORUS HYDRIDES [01]
DA December 1, 1974
BT1 Hydrides
BT2 Hydrogen Compounds
BT1 Phosphorus Compounds

PHOSPHORUS IODIDES [01]
DA December 1, 1974
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds
BT1 Phosphorus Compounds

PHOSPHORUS IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

PHOSPHORUS ISOTOPES [01]
DA December 1, 1974
BT1 Isotopes
NT1 Phosphorus 21
NT1 Phosphorus 24
NT1 Phosphorus 26
NT1 Phosphorus 27
NT1 Phosphorus 28
NT1 Phosphorus 29
NT1 Phosphorus 30
NT1 Phosphorus 31
NT1 Phosphorus 32
NT1 Phosphorus 33
NT1 Phosphorus 34
NT1 Phosphorus 35
NT1 Phosphorus 36
NT1 Phosphorus 37
NT1 Phosphorus 38
NT1 Phosphorus 39
NT1 Phosphorus 40
NT1 Phosphorus 41
NT1 Phosphorus 42
NT1 Phosphorus 43
NT1 Phosphorus 44
NT1 Phosphorus 45
NT1 Phosphorus 46

PHOSPHORUS NITRIDES [01]
DA December 1, 1974
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides
BT1 Phosphorus Compounds

PHOSPHORUS OXIDES [01]
DA December 1, 1974
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds
BT1 Phosphorus Compounds

PHOSPHORUS SULFIDES [01]
DA December 1, 1974
BT1 Phosphorus Compounds
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds

Phosphorylases
DA December 1, 1974
USE Phosphotransferases

PHOSPHORYLATION [01]
DA December 1, 1974
BT1 Chemical Reactions

PHOSPHOTRANSFERASES [01]
(Code numbers 2.7.1 to 2.7.6 and 2.7.8 to 2.7.9)
DA December 1, 1974
UF *Kinases*
UF *Kinases (Phosphotransferases)*
UF *Phosphorylases*
BT1 Phosphorus-Group Transferases
BT2 Transferases
BT3 Enzymes
BT4 Proteins
BT5 Organic Compounds
NT1 Hexokinase
NT1 Streptidine Kinase
RT Phosphoproteins

Phosphotungstic Acid
DA December 1, 1974
USE Tungstophosphoric Acid

Phosphowolframic Acid
DA December 1, 1974
USE Tungstophosphoric Acid

PHOSPHURANYLITE [01]
DA December 1, 1974
BT1 Phosphate Minerals
BT2 Minerals
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
RT Uranium Phosphates

PHOTO-INDUCED TRANSIENT SPECTROSCOPY
DA March 23, 1983
UF *PITS*
BT1 Spectroscopy
RT Fermi Level
RT Relaxation Time
RT Traps
DEF A transport technique which detects the transient rise or decay of a photocurrent during chopped illumination.

PHOTOACOUSTIC EFFECT [01]
DA August 7, 1979
RT Acoustics
RT Phonons
RT Photoacoustic Spectrometers
RT Radiation Effects

PHOTOACOUSTIC SPECTROMETERS [01]
DA May 1, 1978
UF *Optoacoustic Cells*
BT1 Infrared Spectrometers
BT2 Spectrometers
BT3 Measuring Instruments
RT Absorption Spectroscopy
RT Gas Analysis
RT Photoacoustic Effect
RT Photoacoustic Spectroscopy

PHOTOACOUSTIC SPECTROSCOPY [01]
DA July 6, 1978
BT1 Spectroscopy
RT Photoacoustic Spectrometers

PHOTOANODES [01]
DA February 23, 1979
BT1 Anodes
BT2 Electrodes
RT Photocathodes

PHOTOCATHODES [01]
DA June 30, 1977
BT1 Cathodes
BT2 Electrodes
RT Photoanodes
RT Photoelectric Effect
RT Photoemission

Photocells
DA December 1, 1974
USE Photoelectric Cells

PHOTOCHEMICAL ENERGY STORAGE
DA October 23, 1979
BT1 Energy Storage
BT2 Storage
RT Photochemical Reactions
RT Photochemistry
RT Photoelectrochemical Cells
RT Photosynthesis

PHOTOCHEMICAL OXIDANTS
DA February 19, 1976
RT Photochemistry
RT Smog

PHOTOCHEMICAL REACTIONS [01]
DA June 30, 1977
BT1 Chemical Reactions
NT1 Photolysis
NT2 Biophotolysis
NT1 Photosynthesis
RT Atmospheric Chemistry
RT Hydrogen Transfer
RT Photochemical Energy Storage
RT Photochemistry
RT Photoelectrochemical Cells
RT Photosynthetic Membranes
RT Xeroderma Pigmentosum

PHOTOCHEMISTRY [01]
DA December 1, 1974
BT1 Chemistry
RT Atmospheric Chemistry
RT Bioluminescence
RT Photochemical Energy Storage
RT Photochemical Oxidants
RT Photochemical Reactions
RT Photoelectrochemical Cells
RT Photolysis
RT Photosynthesis
RT Radiation Chemistry
RT Reaction Intermediates

PHOTOCHROMIC MATERIALS
DA April 19, 1976
BT1 Materials
RT Dyes
DEF A material that changes in color when exposed to visible or near-visible radiant energy.

PHOTOCONDUCTIVE CELLS [01]
DA December 1, 1974
BT1 Photoelectric Cells
BT2 Direct Energy Converters
RT Photoconductivity

PHOTOCONDUCTIVITY [01]
DA December 1, 1974
BT1 Electric Conductivity
BT2 Electrical Properties
BT3 Physical Properties
RT Photoconductive Cells
RT Photoconductors
RT Photocurrents
RT Traps

PHOTOCONDUCTORS [01]
DA December 1, 1974
RT Electric Conductors
RT Photoconductivity
RT Photodetectors
RT Photoelectric Cells
RT Semiconductor Materials

PHOTOCOPYING
DA August 12, 1980
RT Image Processing
RT Photography

PHOTOCURRENTS [01]
DA December 14, 1981
BT1 Electric Currents
BT2 Currents
RT Photoconductivity
RT Photoelectrochemical Cells
RT Photovoltaic Cells
RT Scanning Light Microscopy

PHOTODETECTORS [01]
DA December 1, 1974
RT Photoconductors
RT Photodiodes
RT Photoelectric Cells
RT Phototransistors

PHOTODIODES [01]
DA December 1, 1974
BT1 Semiconductor Diodes
BT2 Semiconductor Devices
RT Photodetectors
RT Photoelectric Cells
RT Phototransistors

Photodisintegration
DA December 1, 1974
USE Photonuclear Reactions

PHOTOELASTICITY [01]
DA December 1, 1974
BT1 Elasticity
BT2 Tensile Properties
BT3 Mechanical Properties
RT Homalite
RT Materials Testing
RT Stress Analysis

PHOTOELECTRIC CELLS [01]
DA December 1, 1974
UF *Photocells*
BT1 Direct Energy Converters
NT1 Photoconductive Cells
NT1 Photovoltaic Cells
NT2 Solar Cells
NT3 Aluminium Arsenide Solar Cells
NT3 Back Contact Solar Cells
NT3 Cadmium Arsenide Solar Cells
NT3 Cadmium Selenide Solar Cells
NT3 Cadmium Sulfide Solar Cells
NT3 Cadmium Telluride Solar Cells
NT3 Cascade Solar Cells
NT3 Concentrator Solar Cells
NT3 Copper Oxide Solar Cells
NT3 Copper Selenide Solar Cells
NT3 Copper Sulfide Solar Cells
NT3 Gallium Arsenide Solar Cells
NT3 Gallium Phosphide Solar Cells
NT3 Indium Phosphide Solar Cells
NT3 Indium Selenide Solar Cells
NT3 MI Solar Cells
NT3 MIS Solar Cells
NT3 MOS Solar Cells
NT3 MS Solar Cells
NT3 Organic Solar Cells
NT3 PIS Solar Cells
NT3 PS Solar Cells
NT3 Schottky Barrier Solar Cells
NT3 Selenium Solar Cells
NT3 Silicon Arsenide Solar Cells
NT3 Silicon Solar Cells
NT4 SOC Solar Cells
NT3 Zinc Phosphide Solar Cells
NT3 Zinc Sulfide Solar Cells
RT Image Tubes
RT Photoconductors
RT Photodetectors
RT Photodiodes
RT Photomultipliers
RT Phototransistors
RT Phototubes
RT Semiconductor Devices

PHOTOELECTRIC EFFECT [01]
DA December 1, 1974
UF+ *Photomagnetoelectric Effect*
BT1 Photoelectromagnetic Effects
RT Fowler-Nordheim Theory
RT Photocathodes

PHOTOELECTRIC EMISSION [01]
DA December 1, 1974
BT1 Electron Emission
BT2 Emission

PHOTOELECTROCHEMICAL CELLS [01]
DA March 5, 1979
BT1 Electrochemical Cells
BT1 Solar Equipment
BT2 Equipment
NT1 Photoelectrolytic Cells
NT1 Photogalvanic Cells
RT Electrochemistry
RT Photochemical Energy Storage
RT Photochemical Reactions
RT Photochemistry
RT Photocurrents
RT Photovoltaic Cells

PHOTOELECTROLYSIS
DA February 14, 1976
BT1 Electrolysis
BT2 Lysis
RT Hydrogen Production
RT Photoelectrolytic Cells
RT Solar Energy Conversion
DEF A room-temperature electrolytic decomposition of water that is powered by radiant energy.

PHOTOELECTROLYTIC CELLS
DA February 14, 1976
BT1 Electrolytic Cells
BT1 Photoelectrochemical Cells
BT2 Electrochemical Cells
BT2 Solar Equipment
BT3 Equipment
RT Hydrogen Production
RT Photoelectrolysis
RT Solar Energy Conversion
DEF Electrolytic cells with photovoltage generating electrodes for photoelectrolysis of the electrolyte.

PHOTOELECTROMAGNETIC EFFECTS
DA May 18, 1981
NT1 Photoelectric Effect
NT1 Photovoltaic Effect
RT Electrical Properties

PHOTOELECTRON COUNTING [01]
DA November 1, 1976
BT1 Counting Techniques

PHOTOELECTRON SPECTROSCOPY [01]
DA December 1, 1974
BT1 Electron Spectroscopy
BT2 Spectroscopy
RT Electronic Structure
RT Molecular Structure

PHOTOEMISSION [01]
(Photon-induced emission)
DA December 1, 1974
BT1 Secondary Emission
BT2 Emission
RT Photocathodes

PHOTOFISSION [01]
DA December 1, 1974
BT1 Fission
BT2 Nuclear Reactions
BT1 Photonuclear Reactions
BT2 Nuclear Reactions

PHOTOGALVANIC CELLS
DA September 11, 1975
BT1 Photoelectrochemical Cells
BT2 Electrochemical Cells
BT2 Solar Equipment
BT3 Equipment

PHOTOGRAPHIC EMULSIONS [01]
DA December 1, 1974
BT1 Emulsions

BT2 Colloids
BT3 Dispersions
RT Latent Images
RT Photographic Film Dosemeters

PHOTOGRAPHIC FILM DETECTORS [01]
DA December 1, 1974
UF *Track Detectors (Photographic)*
BT1 Radiation Detectors
BT2 Measuring Instruments
RT Neutron-Photon Converters
RT Nuclear Emulsions
RT Photographic Film Dosemeters
RT Photographic Films

PHOTOGRAPHIC FILM DOSEMETERS [01]
DA December 1, 1974
UF *Film Badges*
UF *Film Dosemeters*
BT1 Dosemeters
BT2 Measuring Instruments
RT Film Dosimetry
RT Nuclear Emulsions
RT Photographic Emulsions
RT Photographic Film Detectors

PHOTOGRAPHIC FILMS [01]
DA December 1, 1974
RT Image Scanners
RT Images
RT Latent Images
RT Nuclear Emulsions
RT Photographic Film Detectors

Photographs
DA December 1, 1974
USE Images

PHOTOGRAPHY [01]
DA December 1, 1974
NT1 Cinematography
NT1 Multispectral Photography
NT1 Photomicrography
NT1 Schlieren Method
NT1 Streak Photography
NT1 Ultrahigh-Speed Photography
RT Cameras
RT Developers
RT Holography
RT Image Processing
RT Photocopying
RT Xerography

PHOTOIONIZATION [01]
DA December 1, 1974
BT1 Ionization
RT Laser Guidance

PHOTOLUMINESCENCE [01]
DA December 1, 1974
BT1 Luminescence
RT Scanning Light Microscopy

PHOTOLYSIS [01]
DA December 1, 1974
BT1 Decomposition
BT2 Chemical Reactions
BT1 Photochemical Reactions
BT2 Chemical Reactions
NT1 Biophotolysis
RT Bioconversion
RT Dissociation
RT Photochemistry
RT Radiolysis
RT Traps

Photomagnetic Effect
DA May 7, 1982
USE Magnetic Susceptibility
AND Visible Radiation

Photomagnetoelectric Effect
DA May 7, 1982
USE Magnetic Fields
AND Photoelectric Effect

PHOTOMETERS [01]
DA December 1, 1974
BT1 Measuring Instruments
NT1 Densitometers
RT Photometry
RT Pyranometers

PHOTOMETRY [01]
DA December 1, 1974
NT1 Flame Photometry
RT Densitometers
RT Photometers
RT Spectrophotometry
RT Spectroscopy

PHOTOMICROGRAPHY [01]
DA December 1, 1974
BT1 Photography
RT Ceramography
RT Fractography
RT Metallography
RT Microscopy

PHOTOMULTIPLIERS [01]
DA December 1, 1974
BT1 Phototubes
RT Electron Multipliers
RT Photoelectric Cells
RT Scintillation Counters

PHOTON ACTIVATION ANALYSIS [01]
DA February 27, 1979
BT1 Activation Analysis
BT2 Chemical Analysis

PHOTON-ATOM COLLISIONS [01]
DA December 1, 1974
BT1 Atom Collisions
BT2 Collisions
BT1 Photon Collisions
BT2 Collisions

PHOTON-BARYON INTERACTIONS [01]
DA December 1, 1974
BT1 Photon-Hadron Interactions
BT2 Electromagnetic Interactions
BT3 Basic Interactions
BT4 Interactions
BT2 Particle Interactions
BT3 Interactions
NT1 Photon-Hyperon Interactions
NT1 Photon-Nucleon Interactions
NT2 Photon-Neutron Interactions
NT2 Photon-Proton Interactions

PHOTON BEAMS [01]
DA December 1, 1974
BT1 Beams
RT Light Sources
RT Particle Beams
RT Photons
RT Visible Radiation

PHOTON COLLISIONS [01]
DA December 1, 1974
BT1 Collisions
NT1 Photon-Atom Collisions
NT1 Photon-Electron Collisions
NT1 Photon-Ion Collisions
NT1 Photon-Molecule Collisions
NT1 Photon-Positron Collisions

PHOTON COMPUTED TOMOGRAPHY [01]
DA May 7, 1980
BT1 Computerized Tomography
BT2 Tomography
BT3 Diagnostic Techniques
RT Biomedical Radiography
RT Image Scanners

Photon Detection (Gamma)
DA February 27, 1979
USE Gamma Detection

Photon Detection (X-Ray)
DA February 27, 1979
USE X-Ray Detection

PHOTON-DEUTERON INTERACTIONS
DA February 5, 1975
BT1 Photon-Hadron Interactions
BT2 Electromagnetic Interactions
BT3 Basic Interactions
BT4 Interactions
BT2 Particle Interactions
BT3 Interactions
RT Deuterons
RT Photons

PHOTON-ELECTRON COLLISIONS [01]
DA February 10, 1989
BT1 Electron Collisions
BT2 Collisions
BT1 Photon Collisions
BT2 Collisions

PHOTON-ELECTRON INTERACTIONS [01]
DA December 1, 1974
BT1 Photon-Lepton Interactions
BT2 Particle Interactions
BT3 Interactions

PHOTON EMISSION [01]
(Emission of photons)
DA December 1, 1974
BT1 Emission
NT1 Superradiance
RT Multi-Photon Processes
RT Secondary Emission

PHOTON EMISSION SCANNING [01]
DA May 9, 1979
BT1 Diagnostic Techniques
NT1 ECAT Scanning

PHOTON-HADRON INTERACTIONS [01]
DA December 1, 1974
BT1 Electromagnetic Interactions
BT2 Basic Interactions
BT3 Interactions
BT1 Particle Interactions
BT2 Interactions
NT1 Photon-Baryon Interactions
NT2 Photon-Hyperon Interactions
NT2 Photon-Nucleon Interactions
NT3 Photon-Neutron Interactions
NT3 Photon-Proton Interactions
NT1 Photon-Deuteron Interactions
NT1 Photon-Meson Interactions

PHOTON-HYPERON INTERACTIONS [01]
DA December 1, 1974
BT1 Photon-Baryon Interactions
BT2 Photon-Hadron Interactions
BT3 Electromagnetic Interactions
BT4 Basic Interactions
BT5 Interactions
BT3 Particle Interactions
BT4 Interactions

PHOTON-ION COLLISIONS [01]
DA December 1, 1974
BT1 Ion Collisions
BT2 Collisions
BT1 Photon Collisions
BT2 Collisions

PHOTON-LEPTON INTERACTIONS [01]
DA December 1, 1974
BT1 Particle Interactions
BT2 Interactions
NT1 Photon-Electron Interactions
NT1 Photon-Muon Interactions
NT1 Photon-Neutrino Interactions
RT Electromagnetic Interactions
RT Weak Interactions

PHOTON-MESON INTERACTIONS [01]
DA December 1, 1974
BT1 Photon-Hadron Interactions
BT2 Electromagnetic Interactions
BT3 Basic Interactions
BT4 Interactions
BT2 Particle Interactions
BT3 Interactions

PHOTON-MOLECULE COLLISIONS [01]
DA December 1, 1974

BT1 Molecule Collisions
BT2 Collisions
BT1 Photon Collisions
BT2 Collisions

PHOTON-MUON INTERACTIONS [01]
DA December 1, 1974
BT1 Photon-Lepton Interactions
BT2 Particle Interactions
BT3 Interactions

PHOTON-NEUTRINO INTERACTIONS [01]
DA December 1, 1974
BT1 Photon-Lepton Interactions
BT2 Particle Interactions
BT3 Interactions

PHOTON-NEUTRON INTERACTIONS [01]
DA December 1, 1974
BT1 Photon-Nucleon Interactions
BT2 Photon-Baryon Interactions
BT3 Photon-Hadron Interactions
BT4 Electromagnetic Interactions
BT5 Basic Interactions
BT6 Interactions
BT4 Particle Interactions
BT5 Interactions

PHOTON-NUCLEON INTERACTIONS [01]
DA December 1, 1974
BT1 Photon-Baryon Interactions
BT2 Photon-Hadron Interactions
BT3 Electromagnetic Interactions
BT4 Basic Interactions
BT5 Interactions
BT3 Particle Interactions
BT4 Interactions
NT1 Photon-Neutron Interactions
NT1 Photon-Proton Interactions

PHOTON-PHOTON INTERACTIONS [01]
DA December 1, 1974
BT1 Electromagnetic Interactions
BT2 Basic Interactions
BT3 Interactions
BT1 Particle Interactions
BT2 Interactions
RT Equivalent-Photon Approximation

PHOTON-POSITRON COLLISIONS [01]
DA December 1, 1974
BT1 Photon Collisions
BT2 Collisions
BT1 Positron Collisions
BT2 Collisions

PHOTON-PROTON INTERACTIONS [01]
DA December 1, 1974
BT1 Photon-Nucleon Interactions
BT2 Photon-Baryon Interactions
BT3 Photon-Hadron Interactions
BT4 Electromagnetic Interactions
BT5 Basic Interactions
BT6 Interactions
BT4 Particle Interactions
BT5 Interactions

PHOTON TEMPERATURE [01]
DA December 1, 1974
UF *Temperature (Photon)*
RT Energy
RT Photons

PHOTON TRANSMISSION SCANNING [01]
DA May 15, 1975
UF *Gamma Transmission Scanning*
UF *X-Ray Transmission Scanning*
BT1 Diagnostic Techniques
RT Biomedical Radiography

PHOTON TRANSPORT [01]
DA December 1, 1974
UF *Transport (Gamma)*
UF *Transport (Photon)*
BT1 Neutral-Particle Transport
BT2 Radiation Transport
RT Gamma Transport Theory

PHOTONEUTRONS [01]
DA December 1, 1974
BT1 Neutrons
BT2 Nucleons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT1 Photonucleons
BT2 Nucleons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
RT Peierls Method
RT Photonuclear Reactions

PHOTONS [01]
DA December 1, 1974
BT1 Bosons
BT1 Massless Particles
BT2 Elementary Particles
NT1 Cosmic Photons
RT Delayed Gamma Radiation
RT Electromagnetic Radiation
RT Gamma Radiation
RT Photon Beams
RT Photon-Deuteron Interactions
RT Photon Temperature
RT Prompt Gamma Radiation
RT Tagged Photon Method
RT X Radiation

PHOTONUCLEAR REACTIONS [01]
DA December 1, 1974
UF *Gamma Reactions*
UF *Photodisintegration*
BT1 Nuclear Reactions
NT1 Photofission
RT Giant Resonance
RT Giant Resonance Model
RT Photoneutrons
RT Photonucleons
RT Photoproduction
RT Photoprotons

PHOTONUCLEONS [01]
DA December 1, 1974
BT1 Nucleons
BT2 Baryons
BT3 Fermions
BT3 Hadrons
BT4 Elementary Particles
NT1 Photoneutrons
RT Photonuclear Reactions

PHOTOPERIOD
DA August 9, 1977
RT Daily Variations
RT Visible Radiation
DEF The number of daylight hours best suited to the growth and maturation of an organism.

PHOTOPRODUCTION [01]
DA December 1, 1974
BT1 Electromagnetic Interactions
BT2 Basic Interactions
BT3 Interactions
BT1 Particle Interactions
BT2 Interactions
BT1 Particle Production
NT1 Primakoff Effect
RT Drell Model
RT Electric Born Model
RT Kroll-Ruderman Theorem
RT Levinger-Bethe Theory
RT Panofsky Ratio
RT Photonuclear Reactions

PHOTOPROTONS [01]
DA December 1, 1974
BT1 Protons
BT2 Nucleons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
RT Photonuclear Reactions

PHOTOREACTIVATION [01]
DA December 1, 1974
BT1 Biological Repair
BT2 Biological Recovery
BT2 Repair
RT Molecular Structure
RT Nucleic Acids
RT Radiation Injuries
RT Ultrastructural Changes
RT Ultraviolet Radiation
RT Visible Radiation

PHOTORESISTORS [01]
DA December 1, 1974
BT1 Resistors
BT2 Electrical Equipment
BT3 Equipment

PHOTOSENSITIVITY [01]
DA December 1, 1974
BT1 Sensitivity

PHOTOSPHERE [01]
DA December 1, 1974
BT1 Solar Atmosphere
BT2 Atmospheres
RT Chromosphere
RT Faculae
RT Solar Granulation
RT Sun
RT Sunspots

PHOTOSYNTHESIS [01]
DA December 1, 1974
BT1 Photochemical Reactions
BT2 Chemical Reactions
BT1 Synthesis
RT Biomimetic Processes
RT Biophotolysis
RT Biosynthesis
RT C4 Species
RT Calvin Cycle Species
RT Carbon Cycle
RT Carbon Dioxide Fixation
RT Chlorophyll
RT Chloroplasts
RT Leaves
RT Phosphoenolpyruvate
RT Photochemical Energy Storage
RT Photochemistry
RT Photosynthetic Bacteria
RT Photosynthetic Membranes
RT Photosynthetic Reaction Centers
RT Phycobilisomes
RT Plastoquinone
RT Renewable Resources
RT Rhodopsin
RT Ribulose Diphosphate Carboxylase
RT Thylakoid Membrane Proteins

PHOTOSYNTHETIC BACTERIA [01]
DA April 6, 1978
BT1 Bacteria
BT2 Microorganisms
RT Photosynthesis

PHOTOSYNTHETIC MEMBRANES [01]
DA February 11, 1980
BT1 Membranes
RT Chlorophyll-Binding Proteins
RT Photochemical Reactions
RT Photosynthesis
RT Photosynthetic Reaction Centers
RT Phycobiliproteins
RT Thylakoid Membrane Proteins

PHOTOSYNTHETIC REACTION CENTERS
DA July 8, 1982
NT1 Chlorophyll-Binding Proteins
RT Chlorophyll
RT Cytochromes
RT Photosynthesis
RT Photosynthetic Membranes
RT Phycobilins

PHOTOTRANSISTORS [01]
DA December 1, 1974
BT1 Transistors
BT2 Semiconductor Devices
RT Photodetectors

RT Photodiodes
RT Photoelectric Cells

PHOTOTUBES [01]
DA December 1, 1974
NT1 Photomultipliers
RT Electron Tubes
RT Photoelectric Cells

PHOTOVOLTAIC CELLS [01]
DA December 1, 1974
BT1 Photoelectric Cells
BT2 Direct Energy Converters
* NT1 Solar Cells
RT Combined Collectors
RT Photocurrents
RT Photoelectrochemical Cells
RT Photovoltaic Conversion
RT Photovoltaic Effect
RT Semiconductor Diodes
RT Solar Cell Arrays
RT Thermophotovoltaic Converters

PHOTOVOLTAIC CONVERSION [01]
DA January 24, 1975
BT1 Direct Energy Conversion
BT2 Energy Conversion
BT3 Conversion
RT Organic Solar Cells
RT Photovoltaic Cells
RT Thermophotovoltaic Conversion

PHOTOVOLTAIC EFFECT [01]
DA December 1, 1974
BT1 Photoelectromagnetic Effects
RT Energy Conversion
RT Photovoltaic Cells

PHOTOVOLTAIC POWER PLANTS [01]
DA September 11, 1975
BT1 Solar Power Plants
BT2 Power Plants
RT Photovoltaic Power Supplies
RT Solar Cell Arrays

PHOTOVOLTAIC POWER SUPPLIES [01]
DA March 27, 1979
BT1 Power Supplies
BT2 Electronic Equipment
BT3 Equipment
BT1 Solar Equipment
BT2 Equipment
RT Natural Bridges National Monument
RT Photovoltaic Power Plants
RT Solar Cell Arrays
RT Solar Cells
DEF Solar cells or arrays with associated circuitry for small-scale or dispersed applications.

PHTHALATES [01]
DA December 1, 1974
BT1 Carboxylic Acid Salts
RT Phthalic Acid Esters

PHTHALAZINES [01]
DA December 1, 1974
BT1 Pyridazines
BT2 Azines
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
NT1 Luminol

PHTHALIC ACID [01]
DA December 1, 1974
UF *Benzenedicarboxylic Acid-ortho*
UF *Naphthalic Acid*
BT1 Dicarboxylic Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
RT Bromosulfophthalein
RT Eosin
RT Fluorescein
RT Phenolphthalein
RT Rhodamines
RT Rose Bengal

PHTHALIC ACID ESTERS [01]
DA December 1, 1974
BT1 Esters
BT2 Organic Compounds
RT Phthalates

PHTHALOCYANINES [01]
DA December 1, 1974
BT1 Dyes
BT1 Heterocyclic Compounds
BT2 Organic Compounds
RT Copper Complexes

PHWR TYPE REACTORS [01]
DA December 1, 1974
UF *Pressurized Heavy Water Cooled/Moderated Reactor*
BT1 Heavy Water Cooled Reactors
BT2 Reactors
BT1 Heavy Water Moderated Reactors
BT2 Reactors
NT1 Agesta Reactor
NT1 Atucha-2 Reactor
NT1 Atucha Reactor
NT1 Bruce-1 Reactor
NT1 Bruce-2 Reactor
NT1 Bruce-3 Reactor
NT1 Bruce-4 Reactor
NT1 Bruce-5 Reactor
NT1 Bruce-6 Reactor
NT1 Bruce-7 Reactor
NT1 Bruce-8 Reactor
NT1 Cordoba Reactor
NT1 CVTR Reactor
NT1 Douglas Point Ontario Reactor
NT1 Gentilly-2 Reactor
NT1 Kaiga-1 Reactor
NT1 Kaiga-2 Reactor
NT1 Kakrapar-1 Reactor
NT1 Kakrapar-2 Reactor
NT1 Kalpakkam-1 Reactor
NT1 Kalpakkam-2 Reactor
NT1 KANUPP Reactor
NT1 MZFR Reactor
NT1 Narora-1 Reactor
NT1 Narora-2 Reactor
NT1 NPD Reactor
NT1 Pickering-1 Reactor
NT1 Pickering-2 Reactor
NT1 Pickering-3 Reactor
NT1 Pickering-4 Reactor
NT1 Pickering-5 Reactor
NT1 Pickering-6 Reactor
NT1 Pickering-7 Reactor
NT1 Pickering-8 Reactor
NT1 Point Lepreau-1 Reactor
NT1 Point Lepreau-2 Reactor
NT1 Rajasthan-1 Reactor
NT1 Rajasthan-2 Reactor
NT1 Rajasthan-3 Reactor
NT1 Rajasthan-4 Reactor
NT1 Wolsung-1 Reactor
NT1 Wolsung-2 Reactor
RT Power Reactors

PHYCOBILINS [01]
DA April 24, 1987
BT1 Pigments
RT Photosynthetic Reaction Centers
RT Phycobiliproteins

PHYCOBILIPROTEINS [01]
DA April 10, 1987
BT1 Thylakoid Membrane Proteins
BT2 Proteins
BT3 Organic Compounds
NT1 Phycocyanin
RT Photosynthetic Membranes
RT Phycobilins
RT Phycobilisomes
RT Pigments

PHYCOBILISOMES [01]
DA March 10, 1982
BT1 Cell Constituents
RT Algae
RT Photosynthesis
RT Phycobiliproteins
RT Phycocyanin
RT Pigments

PHYCOCYANIN [01]
DA December 1, 1974
BT1 Phycobiliproteins
BT2 Thylakoid Membrane Proteins
BT3 Proteins
BT4 Organic Compounds
BT1 Pigments
RT Phycobilisomes

PHYCOMYCES [01]
DA December 1, 1974
BT1 Eumycota
BT2 Fungi
BT3 Plants

PHYSARUM [01]
DA December 1, 1974
BT1 Fungi
BT2 Plants

Physical and Technical Research Reactor Moscow
DA December 1, 1974
USE RPT Reactor

PHYSICAL CHEMISTRY [01]
DA January 22, 1975
BT1 Chemistry

Physical Constants Test Reactor
DA December 1, 1974
USE PCTR Reactor

Physical Effort
DA December 1, 1974
USE Exercise

PHYSICAL METALLURGY [01]
DA October 19, 1977
BT1 Metallurgy
RT Crystal Structure
RT Mechanical Properties
RT Mechanics
RT Physical Properties
RT Thermodynamics

PHYSICAL PROPERTIES [01]
DA December 1, 1974
UF *Properties (Physical)*
NT1 Density
NT2 API Gravity
NT2 Bulk Density
NT1 Electrical Properties
NT2 Capacitance
NT2 Dielectric Properties
NT3 Kerr Effect
NT2 Electric Conductivity
NT3 Ionic Conductivity
NT3 Magnetoresistance
NT3 Photoconductivity
NT3 Superconductivity
NT2 Inductance
NT2 Polarizability
NT2 Thermoelectric Properties
NT1 Lubricating Properties
NT1 Magnetic Properties
NT2 Magnetic Susceptibility
NT2 Magnetostriction
NT1 Optical Properties
NT2 Absorptivity
NT2 Brightness
NT2 Color
NT2 Emissivity
NT2 Luminosity
NT2 Opacity
NT2 Reflectivity
NT2 Refractive Index
NT2 Refractivity
NT2 Spectral Reflectance
NT1 Specific Surface Area
NT1 Thermodynamic Properties
NT2 Critical Pressure
NT2 Enthalpy
NT3 Absorption Heat
NT3 Adsorption Heat
NT3 Mixing Heat
NT3 Reaction Heat
NT4 Combustion Heat
NT4 Dissociation Heat

NT4 Formation Heat
NT3 Solution Heat
NT3 Transition Heat
NT4 Fusion Heat
NT4 Sublimation Heat
NT4 Vaporization Heat
NT2 Entropy
NT2 Free Energy
NT3 Formation Free Energy
NT3 Surface Energy
NT2 Free Enthalpy
NT3 Formation Free Enthalpy
NT3 Oxygen Potential
NT2 Specific Heat
NT3 Electronic Specific Heat
NT3 Magnetic Specific Heat
NT3 Nuclear Specific Heat
NT2 Stored Energy
NT2 Thermal Conductivity
NT2 Thermal Diffusivity
NT2 Transition Temperature
NT3 Boiling Points
NT3 Critical Temperature
NT3 Curie Point
NT3 Lambda Point
NT3 Melting Points
NT3 Neel Temperature
NT2 Vapor Pressure
RT Physical Metallurgy
RT Surface Properties

PHYSICAL PROTECTION [01]
(Concerning the need for physical protection of facilities, devices, or materials from intentional damage or theft, and proposed or existing methods for meeting needs. See also PHYSICAL PROTECTION DEVICES.)
DA March 8, 1978
RT Biointrusion
RT CPPNM
RT Entry Control Systems
RT Human Intrusion
RT Intrusion Detection Systems
RT Sabotage
RT Safeguards
RT Secrecy Protection
RT Security

PHYSICAL PROTECTION DEVICES [01]
DA December 1, 1974
UF *Locks (Security)*
NT1 Security Seals
RT Motion Detection Systems
RT Safeguards
RT Secrecy Protection
RT Security
RT Surveillance
RT Theft

PHYSICAL RADIATION EFFECTS [01]
DA December 1, 1974
BT1 Radiation Effects
NT1 Atomic Displacements
NT1 Interstitial Helium Generation
NT1 Interstitial Hydrogen Generation
NT1 Radiation Hardening
RT Amoeba Effect
RT Damaging Neutron Fluence
RT Equivalent Fission Fluence
RT Fuel Densification
RT Gas Production Rates
RT Metamict State
RT Neutron Sputtering
RT Neutronic Damage Functions

PHYSICAL VAPOR DEPOSITION [01]
DA October 11, 1989
UF *PVD*
BT1 Surface Coating
BT2 Deposition
RT Cathode Sputtering
RT Vacuum Coating
RT Vacuum Evaporation
RT Vapor Deposited Coatings
RT Vapor Plating

PHYSICS [01]
DA September 28, 1976
NT1 Atomic Physics
NT1 Chemical Physics
NT1 High Energy Physics
NT1 Nuclear Physics
NT1 Reactor Physics
NT1 Solid State Physics
RT Biophysics
RT Geophysics

PHYSIOLOGY [01]
DA December 1, 1974
NT1 Electrophysiology
RT Anatomy
RT Behavior
RT Biological Functions
RT Biological Stress
RT Blood-Brain Barrier
RT Blood Circulation
RT Body Temperature
RT Digestion
RT Excretion
RT Growth
RT Homeostasis
RT Hormones
RT Metabolism
RT Molecular Biology
RT Reproduction
RT Respiration
RT Ripening
RT Sleep
RT Thermoregulation
RT Transpiration

Physostigmine
DA April 20, 1981
USE Eserine

PHYTIC ACID [01]
DA December 1, 1974
BT1 Organic Acids
BT2 Organic Compounds
BT1 Phosphoric Acid Esters
BT2 Esters
BT3 Organic Compounds
BT2 Organic Phosphorus Compounds
BT3 Organic Compounds
RT Inositol

PHYTOCHROMES [01]
DA December 1, 1974
BT1 Pigments
BT1 Proteins
BT2 Organic Compounds
NT1 Chlorophyll

PHYTOHEMAGGLUTININ [01]
DA December 1, 1974
BT1 Hemagglutinins
BT2 Agglutinins
BT3 Antibodies
BT1 Mitogens
BT1 Mucoproteins
BT2 Polysaccharides
BT3 Saccharides
BT4 Carbohydrates
BT5 Organic Compounds
BT2 Proteins
BT3 Organic Compounds
RT Cell Proliferation
RT Lymphocytes
RT Mitosis
RT Phaseolus

PHYTOPLANKTON [01]
DA January 10, 1977
BT1 Plankton
BT2 Aquatic Organisms
BT1 Plants
RT Algae
RT Diatoms

PI2-1680 MESONS [01]
(Prior to February 1988 this concept was indexed by PI-1640 RESONANCES.)
DA February 1, 1988
UF *A3 Resonances*
UF *Pi-1640 Resonances*
BT1 Tensor Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

PI2-2100 MESONS [01]
DA February 1, 1988
BT1 Tensor Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

Pi-1016 Resonances
(Prior to August 1988 this was a valid descriptor.)
DA December 1, 1974
USE Mesons

PI-1300 MESONS [01]
DA January 29, 1988
BT1 Pseudoscalar Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

Pi-1640 Resonances
(Prior to February 1988 this was valid descriptor.)
DA December 1, 1974
USE PI2-1680 Mesons

PI-1770 MESONS [01]
DA February 1, 1988
BT1 Pseudoscalar Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

PI-K ATOMS [01]
DA December 13, 1985
RT Bound State
RT Kaons
RT Mesic Atoms
RT Pions
DEF A charged pion and an oppositely charged kaon in a Coulomb bound state.

PI-MU ATOMS [01]
DA May 24, 1982
RT Bound State
RT Mesic Atoms
RT Muonic Atoms
RT Muons
RT Pions
DEF A charged pion and an oppositely charged muon in a Coulomb bound state.

PIACE DEVICES
DA April 15, 1975
BT1 Linear Theta Pinch Devices
BT2 Linear Pinch Devices
BT3 Open Plasma Devices
BT4 Thermonuclear Devices
BT3 Pinch Devices
BT4 Thermonuclear Devices
RT Japan

PICEANCE CREEK [01]
DA April 8, 1975
BT1 Rivers
BT2 Streams
BT3 Surface Waters
RT Colorado

PICEANCE CREEK BASIN [01]
DA January 27, 1975
UF+ *Saline Zone*
BT1 Watersheds
RT Colorado
RT Green River Formation
RT Oil Shale Deposits

PICKERING-1 REACTOR [01]
(Pickering, Ontario, Canada)
DA December 1, 1974
UF *Ontario PHWR Pickering-1 Reactor*
BT1 Candu Type Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT2 Pressure Tube Reactors

BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 PHWR Type Reactors
BT2 Heavy Water Cooled Reactors
BT3 Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
RT Pickering Site

PICKERING-2 REACTOR [01]
(Pickering, Ontario, Canada)
DA December 1, 1974
UF *Ontario PHWR Pickering-2 Reactor*
BT1 Candu Type Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT2 Pressure Tube Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 PHWR Type Reactors
BT2 Heavy Water Cooled Reactors
BT3 Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
RT Pickering Site

PICKERING-3 REACTOR [01]
(Pickering, Ontario, Canada)
DA December 1, 1974
UF *Ontario PHWR Pickering-3 Reactor*
BT1 Candu Type Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT2 Pressure Tube Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 PHWR Type Reactors
BT2 Heavy Water Cooled Reactors
BT3 Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
RT Pickering Site

PICKERING-4 REACTOR [01]
(Pickering, Ontario, Canada)
DA December 1, 1974
UF *Ontario PHWR Pickering-4 Reactor*
BT1 Candu Type Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT2 Pressure Tube Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 PHWR Type Reactors
BT2 Heavy Water Cooled Reactors
BT3 Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
RT Pickering Site

PICKERING-5 REACTOR [01]
(Pickering, Ontario, Canada)
DA May 5, 1975
BT1 Candu Type Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT2 Pressure Tube Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 PHWR Type Reactors
BT2 Heavy Water Cooled Reactors
BT3 Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
RT Pickering Site

PICKERING-6 REACTOR [01]
(Pickering, Ontario, Canada)
DA May 5, 1975
BT1 Candu Type Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT2 Pressure Tube Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 PHWR Type Reactors
BT2 Heavy Water Cooled Reactors
BT3 Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
RT Pickering Site

PICKERING-7 REACTOR [01]
(Pickering, Ontario, Canada)
DA May 5, 1975
BT1 Candu Type Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT2 Pressure Tube Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 PHWR Type Reactors
BT2 Heavy Water Cooled Reactors
BT3 Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
RT Pickering Site

PICKERING-8 REACTOR [01]
(Pickering, Ontario, Canada)
DA May 5, 1975
BT1 Candu Type Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT2 Pressure Tube Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 PHWR Type Reactors
BT2 Heavy Water Cooled Reactors
BT3 Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
RT Pickering Site

→**PICKERING SITE [01]**
(Pickering, Ontario, Canada.)
DA May 6, 1993
BT1 Reactor Sites
RT Pickering-1 Reactor
RT Pickering-2 Reactor
RT Pickering-3 Reactor
RT Pickering-4 Reactor
RT Pickering-5 Reactor
RT Pickering-6 Reactor
RT Pickering-7 Reactor
RT Pickering-8 Reactor

Picket Fence
DA December 1, 1974
USE Cusped Geometries

PICKLING [01]
DA December 1, 1974
BT1 Surface Treatments
NT1 Corrosion Pickling

PICKUP REACTIONS [01]
DA December 1, 1974
BT1 Transfer Reactions
BT2 Direct Reactions
BT3 Nuclear Reactions

PICO AMP BEAM CURRENTS [01]
DA December 1, 1974
BT1 Beam Currents
BT2 Currents

PICOLINES [01]
DA December 1, 1974
UF *Methyl Pyridines*
BT1 Pyridines
BT2 Azines
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
NT1 Picolinic Acid
RT Pyridoxal

PICOLINIC ACID [01]
DA December 1, 1974
UF *2-Pyridinecarboxylic Acid*
BT1 Heterocyclic Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT2 Heterocyclic Compounds
BT3 Organic Compounds
BT1 Picolines
BT2 Pyridines
BT3 Azines
BT4 Heterocyclic Compounds
BT5 Organic Compounds
BT4 Organic Nitrogen Compounds
BT5 Organic Compounds

PICRIC ACID [01]
DA December 1, 1974
UF *Picronitric Acid*
UF *TNP*
UF *Trinitrophenol*
BT1 Chemical Explosives
BT2 Explosives
BT1 Nitro Compounds
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
BT1 Phenols
BT2 Aromatics
BT3 Organic Compounds
BT2 Hydroxy Compounds
BT3 Organic Compounds
RT Organic Acids

Picronitric Acid
DA December 1, 1974
USE Picric Acid

PICRYL RADICALS [01]
DA December 1, 1974
BT1 Radicals

PIERCE ELECTRON GUNS [01]
DA December 1, 1974
BT1 Electron Guns
BT1 Electron Sources
BT2 Particle Sources
BT3 Radiation Sources

PIERCE INSTABILITY [01]
DA September 15, 1983

BT1 Instability
RT Beam-Plasma Systems
RT Electron Beams

Pierrelatte (CEA)
DA December 1, 1974
USE CEA Pierrelatte

PIES
DA February 23, 1979
UF *Project Independence Evaluation System*
BT1 Energy Models

PIEZOELECTRICITY [01]
DA December 1, 1974
BT1 Electricity

PIEZOMETRY [01]
DA October 1, 1975
BT1 Pressure Measurement
RT Hydrology
RT Pore Pressure

Pig Discharges
DA December 1, 1974
USE Penning Discharges

Pig Ion Sources
DA December 1, 1974
USE Penning Ion Sources

PIGE Analysis
(Proton Induced Gamma Emission Analysis.)
DA February 9, 1982
USE Nuclear Reaction Analysis
AND Prompt Gamma Radiation
AND Proton Reactions

PIGEONS [01]
DA December 1, 1974
BT1 Birds
BT2 Vertebrates
BT3 Animals
RT Fowl

Pigment Cells
DA December 1, 1974
USE Animal Cells
AND Pigments

PIGMENTS [01]
DA December 1, 1974
UF+ *Pigment Cells*
SF *Chemicals*
NT1 Bilirubin
NT1 Biliverdin
NT1 Carotenoids
NT1 Cytochromes
NT1 Hematoporphyrins
NT1 Heme
NT1 Hemoglobin
NT2 Methemoglobin
NT1 Hemosiderin
NT1 India Ink
NT1 Melanin
NT1 Molybdenum Blue
NT1 Myoglobin
NT1 Phycobilins
NT1 Phycocyanin
NT1 Phytochromes
NT2 Chlorophyll
NT1 Protoporphyrins
NT1 Rhodopsin
NT1 Stercobilin
NT1 Ultramarine
NT1 Urobilinogen
RT Paints
RT Phycobiliproteins
RT Phycobilisomes
RT Porphyrins

PIGMI
(Prior to October 1982, this was a valid descriptor.)
DA May 18, 1981
USE PIGMI Facilities

PIGMI FACILITIES [01]
DA October 20, 1982
UF *PIGMI*
UF *Pion Generator for Medical Irradiations*
BT1 Accelerator Facilities
BT1 Meson Factories
BT2 Accelerators
RT Irradiation Devices
RT Linear Accelerators

Pigs
DA December 1, 1974
USE Swine

PIKAS [01]
DA December 1, 1974
UF *Cony*
BT1 Rodents
BT2 Mammals
BT3 Vertebrates
BT4 Animals

PILE NEUTRONS [01]
DA December 1, 1974
BT1 Neutrons
BT2 Nucleons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles

PILE OSCILLATION TECHNIQUES [01]
DA December 1, 1974
UF *Oscillation Techniques (Pile)*
RT Reactivity
RT Reactor Oscillators

PILE REPLACEMENT TECHNIQUES [01]
DA December 1, 1974
UF *Substitution Techniques*
RT Reactivity

Piles
DA March 8, 1977
USE Foundations

PILGRIM-1 REACTOR [01]
(Plymouth, Massachusetts, USA)
DA December 1, 1974
UF *Pilgrim Reactor*
UF *Plymouth Pilgrim Power Reactor*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

PILGRIM-2 REACTOR [01]
(Plymouth, Massachusetts, USA)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

PILGRIM-3 REACTOR [01]
(Plymouth, Massachusetts, USA)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

Pilgrim Reactor
(Plymouth, Massachusetts, USA)
DA May 16, 1975
USE Pilgrim-1 Reactor

PILOCARPINE [01]
DA December 1, 1974
BT1 Alkaloids
BT2 Organic Compounds
BT1 Parasympathomimetics
BT2 Autonomic Nervous System Agents
BT3 Drugs

PILOT PLANTS [01]
DA December 1, 1974
UF *Plants (Pilot)*
BT1 Functional Models
NT1 Barstow Solar Pilot Plant
NT1 WIPP
RT Demonstration Plants
RT Eurelios Solar Power Plant
RT HEF
RT Industrial Plants
RT Mockup
RT PAMELA Plant
RT Process Development Units

Pimephales Promelas
DA August 20, 1984
USE Fathead Minnow

PIN STRIPE EVENT
DA January 24, 1975
BT1 Flintlock Operation
BT2 Nuclear Explosions
BT3 Explosions
BT2 Underground Explosions
BT3 Explosions

PINACOL [01]
DA December 1, 1974
UF *Tetramethylethylene Glycol*
BT1 Glycols
BT2 Alcohols
BT3 Hydroxy Compounds
BT4 Organic Compounds

PINCH DEVICES [01]
DA December 1, 1974
UF *Grom Devices*
BT1 Thermonuclear Devices
NT1 Field-Reversed Theta Pinch Devices
* **NT1** Linear Pinch Devices
NT1 Tesi Devices
* **NT1** Toroidal Pinch Devices
RT Pinch Effect

PINCH EFFECT [01]
DA December 1, 1974
NT1 Hard Core Pinch
NT1 Longitudinal Pinch
NT2 Belt Pinch
NT1 Reverse-Field Pinch
NT1 Screw Pinch
NT1 Theta Pinch
RT Magnetic Compression
RT Magnetic Field Configurations
RT Pinch Devices
RT Plasma
RT Plasma Filament
RT Plasma Focus

PINEAL GLAND [01]
DA December 1, 1974
UF *Epiphysis (Pineal Gland)*
BT1 Glands
BT2 Organs
BT3 Body
RT Brain
RT Endocrine Glands
RT Melatonin

PINEAPPLES [01]
DA April 17, 1981
BT1 Fruits
BT2 Food

PINELLAS PLANT [01]
DA November 17, 1976
BT1 US DOE

BT2 US Organizations
BT3 National Organizations
BT1 US ERDA
BT2 US Organizations
BT3 National Organizations
RT Florida

PINES [01]
DA December 1, 1974
BT1 Conifers
BT2 Pinophyta
BT3 Plants
BT1 Trees
BT2 Plants

PINES-BOHM THEORY [01]
DA December 1, 1974
UF *Bohm-Pines Theory*
RT Electron Gas

Pinning Force
DA December 1, 1974
USE Magnetic Flux

PINNIPEDS [01]
DA February 8, 1982
UF *Seals (Mammals)*
BT1 Aquatic Organisms
BT1 Mammals
BT2 Vertebrates
BT3 Animals
DEF Fin-footed carnivores.

PINOPHYTA [01]
DA January 9, 1989
UF *Gymnosperms*
BT1 Plants
NT1 Conifers
NT2 Cedars
NT2 Firs
NT2 Hemlocks
NT2 Larches
NT2 Pines
NT2 Spruces

Pins (Fuel)
DA December 1, 1974
USE Fuel Pins

PION BEAMS [01]
DA December 1, 1974
BT1 Meson Beams
BT2 Particle Beams
BT3 Beams

PION CONDENSATION [01]
DA June 21, 1977
RT Bose-Einstein Condensation
RT Nuclear Matter
RT Pions

PION DETECTION [01]
DA December 1, 1974
BT1 Charged Particle Detection
BT2 Radiation Detection
BT3 Detection
RT Pion Dosimetry

PION-DEUTERON INTERACTIONS
DA February 5, 1975
UF *Pion Minus-Deuteron Interactions*
UF *Pion Neutral-Deuteron Interactions*
UF *Pion Plus-Deuteron Interactions*
BT1 Meson-Baryon Interactions
BT2 Hadron-Hadron Interactions
BT3 Particle Interactions
BT4 Interactions
RT Deuterons
RT Pions

PION DOSIMETRY [01]
DA December 1, 1974
BT1 Dosimetry
RT Pion Detection

Pion-Exchange Model
DA December 1, 1974
USE OPE Model

Pion Generator for Medical Irradiations
DA May 18, 1981
USE PIGMI Facilities

PION-HYPERON INTERACTIONS [01]
DA December 1, 1974
BT1 Meson-Hyperon Interactions
BT2 Meson-Baryon Interactions
BT3 Hadron-Hadron Interactions
BT4 Particle Interactions
BT5 Interactions

PION-KAON INTERACTIONS [01]
DA December 1, 1974
BT1 Meson-Meson Interactions
BT2 Hadron-Hadron Interactions
BT3 Particle Interactions
BT4 Interactions

Pion Minus-Deuteron Interactions
DA February 6, 1975
USE Pion-Deuteron Interactions

PION MINUS-NEUTRON INTERACTIONS [01]
DA July 9, 1976
BT1 Pion-Neutron Interactions
BT2 Pion-Nucleon Interactions
BT3 Meson-Nucleon Interactions
BT4 Meson-Baryon Interactions
BT5 Hadron-Hadron Interactions
BT6 Particle Interactions
BT7 Interactions

PION MINUS-PROTON INTERACTIONS [01]
DA July 9, 1976
BT1 Pion-Proton Interactions
BT2 Pion-Nucleon Interactions
BT3 Meson-Nucleon Interactions
BT4 Meson-Baryon Interactions
BT5 Hadron-Hadron Interactions
BT6 Particle Interactions
BT7 Interactions

PION MINUS REACTIONS [01]
DA July 9, 1976
BT1 Pion Reactions
BT2 Meson Reactions
BT3 Charged-Particle Reactions
BT4 Nuclear Reactions
BT3 Hadron Reactions
BT4 Nuclear Reactions

Pion Neutral-Deuteron Interactions
DA February 6, 1975
USE Pion-Deuteron Interactions

PION NEUTRAL-NEUTRON INTERACTIONS
DA July 9, 1976
BT1 Pion-Neutron Interactions
BT2 Pion-Nucleon Interactions
BT3 Meson-Nucleon Interactions
BT4 Meson-Baryon Interactions
BT5 Hadron-Hadron Interactions
BT6 Particle Interactions
BT7 Interactions

PION NEUTRAL-PROTON INTERACTIONS
DA July 9, 1976
BT1 Pion-Proton Interactions
BT2 Pion-Nucleon Interactions
BT3 Meson-Nucleon Interactions
BT4 Meson-Baryon Interactions
BT5 Hadron-Hadron Interactions
BT6 Particle Interactions
BT7 Interactions

PION NEUTRAL REACTIONS
DA July 9, 1976
BT1 Pion Reactions
BT2 Meson Reactions
BT3 Charged-Particle Reactions
BT4 Nuclear Reactions
BT3 Hadron Reactions
BT4 Nuclear Reactions

PION-NEUTRON INTERACTIONS [01]
DA December 1, 1974
BT1 Pion-Nucleon Interactions
BT2 Meson-Nucleon Interactions
BT3 Meson-Baryon Interactions
BT4 Hadron-Hadron Interactions
BT5 Particle Interactions
BT6 Interactions
NT1 Pion Minus-Neutron Interactions
NT1 Pion Neutral-Neutron Interactions
NT1 Pion Plus-Neutron Interactions

PION-NUCLEON INTERACTIONS [01]
DA December 1, 1974
BT1 Meson-Nucleon Interactions
BT2 Meson-Baryon Interactions
BT3 Hadron-Hadron Interactions
BT4 Particle Interactions
BT5 Interactions
NT1 Pion-Neutron Interactions
NT2 Pion Minus-Neutron Interactions
NT2 Pion Neutral-Neutron Interactions
NT2 Pion Plus-Neutron Interactions
NT1 Pion-Proton Interactions
NT2 Pion Minus-Proton Interactions
NT2 Pion Neutral-Proton Interactions
NT2 Pion Plus-Proton Interactions

PION-PION INTERACTIONS [01]
DA December 1, 1974
BT1 Meson-Meson Interactions
BT2 Hadron-Hadron Interactions
BT3 Particle Interactions
BT4 Interactions

Pion Plus-Deuteron Interactions
DA February 6, 1975
USE Pion-Deuteron Interactions

PION PLUS-NEUTRON INTERACTIONS [01]
DA July 9, 1976
BT1 Pion-Neutron Interactions
BT2 Pion-Nucleon Interactions
BT3 Meson-Nucleon Interactions
BT4 Meson-Baryon Interactions
BT5 Hadron-Hadron Interactions
BT6 Particle Interactions
BT7 Interactions

PION PLUS-PROTON INTERACTIONS [01]
DA July 9, 1976
BT1 Pion-Proton Interactions
BT2 Pion-Nucleon Interactions
BT3 Meson-Nucleon Interactions
BT4 Meson-Baryon Interactions
BT5 Hadron-Hadron Interactions
BT6 Particle Interactions
BT7 Interactions

PION PLUS REACTIONS [01]
DA July 9, 1976
BT1 Pion Reactions
BT2 Meson Reactions
BT3 Charged-Particle Reactions
BT4 Nuclear Reactions
BT3 Hadron Reactions
BT4 Nuclear Reactions

PION-PROTON INTERACTIONS [01]
DA December 1, 1974
BT1 Pion-Nucleon Interactions
BT2 Meson-Nucleon Interactions
BT3 Meson-Baryon Interactions
BT4 Hadron-Hadron Interactions
BT5 Particle Interactions
BT6 Interactions
NT1 Pion Minus-Proton Interactions
NT1 Pion Neutral-Proton Interactions
NT1 Pion Plus-Proton Interactions

PION REACTIONS [01]
DA December 1, 1974
BT1 Meson Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions
BT2 Hadron Reactions
BT3 Nuclear Reactions
NT1 Pion Minus Reactions
NT1 Pion Neutral Reactions
NT1 Pion Plus Reactions

PIONEER SPACE PROBES [01]
DA December 1, 1974
BT1 Space Vehicles
BT2 Vehicles

PIONIC ATOMS [01]
DA December 1, 1974
BT1 Mesic Atoms
BT2 Hadronic Atoms
BT3 Atoms

PIONIUM [01]
DA April 8, 1975
RT Bound State
RT Kaonium
RT Muonium
RT Pions Minus
RT Pions Plus
DEF Bound state of pions plus and pions minus.

PIONIZATION [01]
DA December 1, 1974
BT1 Multiple Production
BT2 Particle Production
RT Cluster Emission Model

PIONS [01]
DA December 1, 1974
BT1 Pseudoscalar Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles
NT1 Cosmic Pions
NT1 Pions Minus
NT1 Pions Neutral
NT1 Pions Plus
RT ABC Effect
RT Goldberger-Treiman Relation
RT Pi-K Atoms
RT Pi-Mu Atoms
RT Pion Condensation
RT Pion-Deuteron Interactions

PIONS MINUS [01]
DA December 1, 1974
BT1 Pions
BT2 Pseudoscalar Mesons
BT3 Mesons
BT4 Bosons
BT4 Hadrons
BT5 Elementary Particles
RT Pionium

PIONS NEUTRAL [01]
DA December 1, 1974
BT1 Pions
BT2 Pseudoscalar Mesons
BT3 Mesons
BT4 Bosons
BT4 Hadrons
BT5 Elementary Particles
RT Primakoff Effect

PIONS PLUS [01]
DA December 1, 1974
BT1 Pions
BT2 Pseudoscalar Mesons
BT3 Mesons
BT4 Bosons
BT4 Hadrons
BT5 Elementary Particles
RT Pionium

PIPE FITTINGS [01]
DA December 1, 1974
RT Expansion Joints
RT Nozzles
RT Orifices
RT Pipelines
RT Pipes
RT Plumbing
RT Pressure Vessels
RT Restraints
RT Seals
RT Valves
RT Water Faucets

PIPE JOINTS [01]
DA December 1, 1974
BT1 Joints
RT Expansion Joints
RT Plumbing

Pipe Restraints
DA March 16, 1981
USE Restraints

→**PIPE WHIP [01]**
DA March 8, 1991
RT Dynamic Loads
RT Pipes
RT Steam Lines
DEF Violent motion of a pipe carrying a fluid at high pressure due to sudden pressure drop caused, for example, by a pipe break.

Pipeline Quality Gas
DA January 29, 1975
USE High BTU Gas

PIPELINES [01]
DA December 1, 1974
SF *Energy Transport*
SF *Transport (Energy)*
NT1 Alaska Gas Pipeline
NT1 Alaska Oil Pipeline
NT1 Arctic Gas Pipelines
NT1 Freight Pipelines
NT2 Slurry Pipelines
RT Archaeological Sites
RT Gas Hydrates
RT Hydraulic Transport
RT Natural Gas Distribution Systems
RT Pipe Fittings
RT Pipes
RT Pneumatic Transport
RT Polar Gas Project
RT Positioning
RT Rights-of-Way
RT Scrapers
RT Steam Lines
RT Transport

PIPERAZINES [01]
DA December 1, 1974
BT1 Pyrazines
BT2 Azines
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
RT Amines

PIPERIDINES [01]
DA December 1, 1974
UF *Hexahydropyridines*
UF *Pentamethyleneimines*
UF+ *TMPN*
BT1 Amines
BT2 Organic Compounds
BT1 Pyridines
BT2 Azines
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
NT1 Dipyridamole
NT1 Pethidine
NT1 Triacetoneamine-N-Oxyl

PIPES [01]
DA December 1, 1974
UF *Tubes (Conduits)*
NT1 Drill Pipes
NT1 Marine Risers
NT1 Penstocks
RT Borescopes
RT Cylinders
RT Diffusers
RT Ducts
RT Heat Pipes
RT Hoses
RT Pipe Fittings
RT Pipe Whip
RT Pipelines
RT Plumbing
RT Restraints
RT Scrapers
RT Tubes
RT Well Casings

PIPPARD THEORY [01]
DA December 1, 1974
RT Superconductivity

Piqua Nuclear Power Facility
DA December 1, 1974
USE PNPF Reactor

Piqua Organic Moderated Reactor
DA December 1, 1974
USE PNPF Reactor

PIRANI GAGES [01]
DA December 1, 1974
BT1 Hot-Wire Gages
BT2 Pressure Gages
BT3 Measuring Instruments
BT1 Vacuum Gages
BT2 Pressure Gages
BT3 Measuring Instruments

PIRCON-PECK PROCESS
DA November 8, 1980
BT1 Desulfurization
BT2 Chemical Reactions
RT Fertilizers
RT Phosphates
DEF Desulfurization process which uses 'activated' phosphate rock, ammonia, and SO_2 from flue gas to produce ammoniated phosphate fertilizers.

PIS SOLAR CELLS [01]
DA July 18, 1981
UF *Polymer-Insulator-Semiconductor Solar Cells*
BT1 Solar Cells
BT2 Photovoltaic Cells
BT3 Photoelectric Cells
BT4 Direct Energy Converters
BT2 Solar Equipment
BT3 Equipment
RT Organic Solar Cells

PISTONS [01]
DA January 7, 1976
BT1 Machine Parts
RT Internal Combustion Engines

PISUM [01]
DA December 1, 1974
UF *Pea Plant*
BT1 Leguminosae
BT2 Magnoliopsida
BT3 Magnoliophyta
BT4 Plants
RT Peas

Pitch (Reactor Parameters)
DA December 1, 1974
USE Reactor Lattice Parameters

Pitch Angle
DA December 1, 1974
USE Inclination

PITCHBLENDE [01]
DA December 1, 1974
BT1 Uraninites
BT2 Oxide Minerals
BT3 Minerals
BT2 Uranium Minerals
BT3 Radioactive Minerals
BT4 Minerals
BT4 Radioactive Materials
BT5 Materials

PITCHES [01]
DA May 15, 1975
BT1 Other Organic Compounds
BT2 Organic Compounds
RT Tar
DEF The residues from the destructive distillation of tars.

PITOT TUBES [01]
DA December 1, 1974
RT Flowmeters

PITS
DA March 23, 1983
USE Photo-Induced Transient Spectroscopy

PITTING CORROSION [01]
DA December 1, 1974
BT1 Corrosion
BT2 Chemical Reactions
RT Cathodic Protection

Pittsburg-Midway Solvent Refined Coal Process
DA April 29, 1975
USE SRC Process

PITTSBURGH [01]
DA September 14, 1976
BT1 Pennsylvania
BT2 USA
BT3 Developed Countries
BT3 North America
BT1 Urban Areas

PITTSBURGH ENERGY TECHNOLOGY CENTER [01]
DA March 29, 1979
BT1 US DOE
BT2 US Organizations
BT3 National Organizations

PITTSBURGH OXYDESULFURIZATION PROCESS
DA October 23, 1978
BT1 Desulfurization
BT2 Chemical Reactions
DEF The process, under development at the Pittsburgh Energy Technology Center, removes inorganic and organic sulfur from coal by bubbling air through a pulverized coal and water mixture at high temperature and pressure.

PITUITARY GLAND [01]
DA December 1, 1974
UF *Hypophysis*
BT1 Endocrine Glands
BT2 Glands
BT3 Organs
BT4 Body
RT Acromegaly
RT Cushing Syndrome
RT Homeostasis
RT Hypophysectomy
RT Hypothalamus
RT Pituitary Hormones

PITUITARY HORMONES [01]
DA December 1, 1974
BT1 Peptide Hormones
BT2 Hormones
BT2 Proteins
BT3 Organic Compounds
NT1 ACTH
NT1 Gonadotropins
NT2 FSH
NT2 HCG
NT2 LH
NT2 LTH
NT1 Liberins
NT2 LH-RH
NT1 Oxytocin
NT1 STH
NT1 TSH
NT1 Vasopressin
RT Hypophysectomy
RT Pituitary Gland

PIVALIC ACID [01]
DA December 1, 1974
UF *Dimethylpropionic Acid*
UF *Trimethylacetic Acid*
BT1 Monocarboxylic Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds

PIXE ANALYSIS [01]
(Prior to October 1980, this concept was indexed to X-RAY EMISSION ANALYSIS.)
DA October 7, 1980
UF *Proton-Induced X-Ray Emission Analysis*
BT1 X-Ray Emission Analysis
BT2 Nondestructive Analysis
BT3 Chemical Analysis

PL-1 LANGUAGE [01]
DA December 1, 1974
BT1 Programming Languages

PL-11 LANGUAGE [01]
DA June 30, 1975
BT1 Programming Languages

PLACENTA [01]
DA December 1, 1974
BT1 Fetal Membranes
BT2 Membranes
RT HPL
RT Lactogens
RT Pregnancy

PLACERS [01]
DA December 1, 1974
BT1 Geologic Deposits
RT Alluvial Deposits

PLACZEC FUNCTION [01]
DA December 1, 1974
UF *Bethe-Placzec Model*
BT1 Functions
RT Neutron Slowing-Down Theory

PLAGES [01]
DA December 1, 1974
BT1 Solar Activity
RT Chromosphere
RT Faculae

Plagioclase
DA March 31, 1976
USE Anorthosites

Plagioclasite
DA March 31, 1976
USE Anorthosites

PLAICE [01]
DA December 1, 1974
BT1 Fishes
BT2 Aquatic Organisms
BT2 Vertebrates
BT3 Animals
RT Food Chains
RT Seafood

Plainsboro IRL Pool Type Reactor
DA December 1, 1974
USE IRL Reactor

PLANARIA [01]
DA December 1, 1974
BT1 Turbellaria
BT2 Platyhelminths
BT3 Helminths
BT4 Parasites

PLANCK LAW [01]
DA December 1, 1974
RT Quantum Mechanics

PLANCK RADIATION FORMULA [01]
DA December 1, 1974
RT Blackbody Radiation
RT Thermodynamics

Plane-Wave Born Approximation
DA December 1, 1974
USE Born Approximation

PLANET-SYSTEM ACCRETION [01]
DA December 1, 1974
UF *Accretion (Planet-System)*
RT Cosmological Models
RT Galactic Evolution
RT Solar System Evolution
RT Star Accretion

PLANETARY ATMOSPHERES [01]
(Excludes EARTH ATMOSPHERE.)
DA December 1, 1974
BT1 Atmospheres
NT1 Planetary Magnetospheres

PLANETARY EVOLUTION
DA November 28, 1975
BT1 Solar System Evolution
RT Planets

PLANETARY IONOSPHERES [01]
(Excludes the earth's ionosphere for which use IONOSPHERE.)
DA October 20, 1978
NT1 Ionosphere
NT2 C Region
NT2 D Region
NT2 E Region
NT3 Sporadic E
NT2 F Region
NT3 F1 Layer
NT3 F2 Layer
NT3 Spread F

PLANETARY MAGNETOSPHERES [01]
DA November 1, 1976
BT1 Planetary Atmospheres
BT2 Atmospheres

PLANETARY NEBULAE [01]
DA December 1, 1974
BT1 Nebulae
RT Stars

PLANETS [01]
DA December 1, 1974
NT1 Earth Planet
NT2 Northern Hemisphere
NT2 Southern Hemisphere
NT1 Jupiter Planet
NT1 Mars Planet
NT1 Mercury Planet
NT1 Neptune Planet
NT1 Pluto Planet
NT1 Saturn Planet
NT1 Uranus Planet
NT1 Venus Planet
RT Asteroids
RT Planetary Evolution
RT Protoplanets
RT Solar System

PLANKTON [01]
DA December 1, 1974
BT1 Aquatic Organisms
NT1 Ichthyoplankton
NT1 Phytoplankton
NT1 Zooplankton
RT Bacteria
RT Biological Materials
RT Biomass
RT Daphnia
RT Protozoa
RT Surface Waters
RT Unicellular Algae
DEF Aquatic organisms that drift or swim weakly.

PLANNED COMMUNITIES
DA September 19, 1977
BT1 Communities
RT Urban Areas

PLANNING [01]
(Projected design of plants or equipment as well as projected human efforts.)
DA December 1, 1974
NT1 Experiment Planning
RT Advisory Committees
RT Allocations
RT Cancellation
RT Computer-Aided Design
RT Construction
RT Coordinated Research Programs
RT Decision Making
RT Decision Tree Analysis
RT Delphi Method
RT Demonstration Programs
RT Design
RT Environmental Policy

RT Fault Tree Analysis
RT Feasibility Studies
RT Operations Research
RT Optimization
RT Organizational Models
RT Organizing
RT Pert Method
RT Production
RT Regional Cooperation
RT Research Programs
RT Site Selection
RT US National Program Plans
RT Zoning

PLANT BREEDING [01]
DA December 1, 1974
RT Adventitious Bud Technique
RT Disease Resistance
RT Irradiation
RT Morphological Changes
RT Mutagens
RT Mutants
RT Mutations
RT Plant Growth
RT Productivity
RT Radiation Induced Mutants
RT Reproduction
RT Silviculture

PLANT CELLS [01]
DA December 1, 1974
UF *Cells (Plant)*
UF *Protoplasts*
UF+ *Cell Growth (Plant)*
RT Cell Constituents
RT Cell Cultures
RT Cell Flow Systems
RT Cell Wall
RT Chloroplasts
RT Clone Cells
RT Cytology
RT In Vivo

PLANT CONDENSATES
DA December 10, 1979
BT1 Natural Gas Liquids
BT2 Liquids
BT3 Fluids
RT Liquefied Petroleum Gases
DEF One of the natural gas plant liquids, mostly pentanes and heavier, separated and recovered as liquids at gas inlet separators or scrubbers in natural gas processing plants.

Plant Cultivation
DA September 22, 1981
USE Cultivation Techniques

PLANT DISEASES [01]
DA December 1, 1974
RT Chlorosis
RT Disease Incidence
RT Mildew
RT Parasites
RT Tobacco Mosaic Virus

Plant Fossils
DA October 7, 1980
USE Fossils

PLANT GROWTH [01]
DA December 1, 1974
BT1 Growth
RT Carbon Dioxide Fixation
RT Hydroponic Culture
RT Kinetin
RT Nitrogen Fixation
RT Plant Breeding
RT Plants
RT Revegetation
RT Sprouting

PLANT GROWTH REGULATORS [01]
DA December 1, 1974
NT1 Auxins
NT2 Abscisic Acid
RT Kinetin

PLANT SAP [01]
DA June 25, 1985
BT1 Biological Materials
BT2 Materials
RT Nutrients
RT Plants
RT Translocation
RT Transpiration
DEF An aqueous solution of gases, salts, and metabolic products that circulates through the vascular system of a plant.

PLANT STEMS [01]
DA December 1, 1974
UF *Stem (Plant)*
RT Bark
RT Plants
RT Straw

PLANT TISSUES [01]
DA December 1, 1974
BT1 Tissues
BT2 Body
NT1 Bark
NT1 Endosperm
NT1 Meristems
NT1 Mycelium
RT Chlorosis

PLANTS [01]
DA December 1, 1974
UF *Vegetation*
NT1 Algae
NT2 Chlorophycota
NT3 Acetabularia
NT3 Chlamydomonas
NT3 Chlorella
NT3 Nitella
NT3 Scenedesmus
NT2 Chromophycota
NT3 Diatoms
NT3 Fucus
NT3 Laminaria
NT2 Lichens
NT2 Rhodophycota
NT3 Porphyra
NT2 Ulva
NT2 Unicellular Algae
NT3 Chlamydomonas
NT3 Chlorella
NT3 Euglena
NT3 Scenedesmus
NT1 Bryophyta
NT2 Mosses
NT1 C4 Species
NT1 Calvin Cycle Species
NT1 Euglenophycota
NT2 Euglena
NT1 Ferns
NT1 Fungi
NT2 Eumycota
NT3 Aspergillus
NT3 Claviceps
NT3 Fusarium
NT3 Lichens
NT3 Mildew
NT3 Neurospora
NT3 Pellicularia
NT3 Penicillium
NT3 Phanerochaete
NT3 Phycomyces
NT3 Rhizopus
NT3 Thielavia
NT3 Trichoderma
NT4 Trichoderma Viride
NT3 Ustilago
NT3 Yeasts
NT4 Candida
NT4 Saccharomyces
NT5 Saccharomyces Cerevisiae
NT4 Torula
NT2 Mushrooms
NT2 Myxomycetes
NT2 Physarum
NT2 Polyporus Versicolor
NT1 Herbs
NT2 Coleus
NT2 Marihuana
NT2 Meadow Foam
NT1 Magnoliophyta
NT2 Liliopsida
NT3 Allium Sativum
NT3 Aloe
NT3 Banana Plants
NT3 Buckwheat
NT3 Cattails
NT3 Coconut Palms
NT3 Gramineae
NT4 Bamboo
NT4 Cereals
NT5 Barley
NT5 Maize
NT5 Millet
NT5 Oats
NT5 Rice
NT5 Rye
NT5 Sorghum
NT5 Wheat
NT4 Reeds
NT5 Sugar Cane
NT3 Lilium
NT3 Oil Palms
NT3 Onions
NT4 Allium Cepa
NT3 Tradescantia
NT3 Trillium
NT3 Water Hyacinths
NT2 Magnoliopsida
NT3 Arabidopsis
NT3 Atropa Belladonna
NT3 Beech Trees
NT3 Beets
NT4 Sugar Beets
NT3 Birches
NT3 Brassica
NT4 Kale
NT3 Buffalo Gourd
NT3 Cacao Trees
NT3 Cacti
NT3 Capsicum
NT3 Carnations
NT3 Carrots
NT3 Cassava
NT3 Chenopodiaceae
NT3 Chestnut Trees
NT3 Citrus
NT3 Coffee Plants
NT3 Coleus
NT3 Corchorus
NT4 Jute
NT3 Cotton Plants
NT3 Crepis
NT3 Cucumbers
NT3 Digitalis
NT3 Eucalyptuses
NT3 Euphorbia
NT4 Castor
NT4 Chinese Tallow Tree
NT4 Hevea
NT4 Milkweed
NT4 Rubber Trees
NT5 Guayule
NT3 Flax Plants
NT3 Jojoba
NT3 Leguminosae
NT4 Alfalfa
NT4 Clover
NT4 Glycine Hispida
NT4 Honeylocust Trees
NT4 Locust Trees
NT4 Mesquite
NT4 Phaseolus
NT4 Pisum
NT4 Vicia
NT4 Vigna
NT3 Lettuce
NT3 Mangroves
NT3 Maples
NT3 Marihuana
NT3 Meadow Foam
NT3 Nicotiana
NT3 Oaks
NT3 Olive Trees
NT3 Papaver Somniferum
NT3 Pecan Trees
NT3 Poplars
NT4 Aspens
NT4 Cottonwoods
NT3 Rabbit Brush
NT3 Radishes
NT3 Ranunculaceae
NT3 Rosaceae
NT3 Solanum
NT4 Solanum Tuberosum
NT3 Spinach
NT3 Sunflowers
NT3 Sweet Gums
NT3 Sycamores

NT3 Tea Plants
NT3 Tumbleweeds
NT3 Willows
NT3 Yams
NT1 Medicinal Plants
NT2 Aloe
NT2 Atropa Belladonna
NT2 Castor
NT2 Digitalis
NT2 Papaver Somniferum
NT1 Ornamental Plants
NT1 Phytoplankton
NT1 Pinophyta
NT2 Conifers
NT3 Cedars
NT3 Firs
NT3 Hemlocks
NT3 Larches
NT3 Pines
NT3 Spruces
NT1 Seaweeds
NT2 Fucus
NT2 Laminaria
NT1 Shrubs
NT2 Jojoba
NT2 Rabbit Brush
NT1 Trees
NT2 Beech Trees
NT2 Birches
NT2 Cacao Trees
NT2 Cedars
NT2 Chestnut Trees
NT2 Coconut Palms
NT2 Copaifera
NT2 Deciduous Trees
NT2 Eucalyptuses
NT2 Firs
NT2 Fruit Trees
NT2 Hevea
NT2 Honeylocust Trees
NT2 Locust Trees
NT2 Mangroves
NT2 Maples
NT2 Mesquite
NT2 Oaks
NT2 Oil Palms
NT2 Olive Trees
NT2 Pecan Trees
NT2 Pines
NT2 Poplars
NT3 Aspens
NT3 Cottonwoods
NT2 Rubber Trees
NT3 Guayule
NT2 Spruces
NT2 Sweet Gums
NT2 Sycamores
NT2 Willows
NT1 Vegetables
NT2 Beans
NT3 Mungbeans
NT2 Beets
NT3 Sugar Beets
NT2 Brassica
NT3 Kale
NT2 Carrots
NT2 Cucumbers
NT2 Garlic
NT2 Kale
NT2 Lettuce
NT2 Onions
NT3 Allium Cepa
NT2 Peas
NT2 Peppers
NT2 Potatoes
NT2 Radishes
NT2 Soybeans
NT2 Spinach
NT2 Yams
RT Agriculture
RT Alkaloids
RT Aquatic Organisms
RT Biological Extinction
RT Biological Materials
RT Biology
RT Biomass
RT Botany
RT Buds
RT Bulbs
RT Canopies
RT Chlorophyll
RT Endangered Species
RT Essential Oils
RT Fertilizers
RT Flowers
RT Forage
RT Fruits
RT Ground Cover
RT Interception
RT Leaves
RT Plant Growth
RT Plant Sap
RT Plant Stems
RT Preferred Species
RT Rangelands
RT Renewable Energy Sources
RT Revegetation
RT Roots
RT Seedlings
RT Seeds
RT Soils
RT Species Diversity
RT Sprouting
RT Stomata
RT Throughfall
RT Translocation
RT Transpiration
RT Tubers
RT Vegetative Propagation

Plants (Industrial)
DA December 1, 1974
USE Industrial Plants

Plants (Pilot)
DA December 1, 1974
USE Pilot Plants

Plants (Power)
DA December 1, 1974
USE Power Plants

PLAQUE FORMATION [01]
DA July 6, 1978
RT Bacteriophages
RT Bioassay
RT Clone Cells
RT Viruses

PLASMA [01]
DA December 1, 1974
NT1 Ambiplasma
NT1 Cold Plasma
NT1 Collisional Plasma
NT1 Collisionless Plasma
NT1 Equilibrium Plasma
NT1 Fissioning Plasma
NT1 High-Beta Plasma
NT1 Homogeneous Plasma
NT1 Hot Plasma
NT1 Inhomogeneous Plasma
NT1 Laser-Produced Plasma
NT1 Low-Beta Plasma
NT1 Medium-Beta Plasma
NT1 Non-Equilibrium Plasma
NT1 Optically Thick Plasma
NT1 Optically Thin Plasma
NT1 Quantum Plasma
NT1 Quiescent Plasma
NT1 Relativistic Plasma
NT1 Rotating Plasma
NT1 Solid-State Plasma
NT2 Electron-Hole Droplets
RT Aspect Ratio
RT Beam-Plasma Systems
RT Beta Ratio
RT Bohm Criterion
RT Boltzmann-Vlasov Equation
RT Bootstrap Current
RT Breakeven
RT Compact Torus
RT Confinement
RT Distribution Functions
RT Electric Arcs
RT Energy Balance
RT Grad-Shafranov Equation
RT Guiding-Center Approximation
RT Holtsmark Theory
RT Impurities
RT Ionic Composition
RT Ionized Gases
RT Kinetic Equations
RT Langmuir Frequency
RT Loss Cone
RT Magnetic Field Configurations
RT Magnetohydrodynamics
RT Neoclassical Transport Theory
RT Non-Inductive Current Drive
RT Pinch Effect
RT Plasma Acceleration
RT Plasma Confinement
RT Plasma Density
RT Plasma Diagnostics
RT Plasma Diamagnetism
RT Plasma Drift
RT Plasma Eaters
RT Plasma Expansion
RT Plasma Filament
RT Plasma Focus
RT Plasma Heating
RT Plasma Impurities
RT Plasma Instability
RT Plasma Production
RT Plasma Radial Profiles
RT Plasma Rings
RT Plasma Scrape-Off Layer
RT Plasma Simulation
RT Plasma Waves
RT Plasmoids
RT Sawtooth Oscillations
RT Solar Wind
RT Spitzer Theory
RT Voigt Effect
RT Wall Effects

Plasma (Blood)
DA December 1, 1974
USE Blood Plasma

Plasma (Quark)
DA September 15, 1983
USE Quark Matter

PLASMA ACCELERATION [01]
DA December 1, 1974
BT1 Acceleration
RT Plasma
RT Plasma Guns
RT Plasma Jets

Plasma Accelerators
DA December 1, 1974
USE Plasma Guns

PLASMA ARC SPRAYING [01]
DA December 1, 1974
BT1 Spray Coating
BT2 Surface Coating
BT3 Deposition

PLASMA ARC WELDING [01]
DA December 1, 1974
BT1 Arc Welding
BT2 Welding
BT3 Joining
BT4 Fabrication

PLASMA BEAM INJECTION [01]
DA December 1, 1974
BT1 Beam Injection

PLASMA BETATRONS [01]
DA December 1, 1974
UF *Budker Accelerators*
BT1 Collective Accelerators
BT2 Accelerators
RT Betatrons

PLASMA CELLS [01]
DA December 1, 1974
UF *Plasmocytes*
BT1 Connective Tissue Cells
BT2 Somatic Cells
BT3 Animal Cells
RT Bone Marrow
RT Lymphocytes

PLASMA CENTRIFUGES [01]
DA September 15, 1989
BT1 Centrifuges
BT2 Concentrators
RT Isotope Separation

Plasma Clearance
DA December 1, 1974
USE Blood-Plasma Clearance

PLASMA CONFINEMENT [01]
DA January 28, 1975

BT1 Confinement
NT1 H-Mode Plasma Confinement
NT1 Inertial Confinement
NT1 Magnetic Confinement
RT Confinement Time
RT Gas Blankets
RT Magnetic Surfaces
RT MARFE
RT Mass Balance
RT Particle Losses
RT Plasma
RT Plasma Disruption
RT Plateau Regime
RT Sawtooth Oscillations
RT Thermal Barriers

PLASMA CORE ASSEMBLY [01]
DA August 19, 1975
UF *PCA-LASL Facility*
BT1 Gas Fueled Reactors
BT2 Fluid Fueled Reactors
BT3 Reactors
BT2 Homogeneous Reactors
BT3 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

PLASMA DENSITY [01]
DA December 1, 1974
UF *Density (Plasma)*
RT Debye Length
RT Lawson Criterion
RT Plasma
RT Plasma Expansion
RT Plasma Focus

PLASMA DIAGNOSTICS [01]
DA December 1, 1974
RT Limiters
RT Plasma
RT Plasma Eaters
RT Sonic Probes

PLASMA DIAMAGNETISM [01]
DA December 1, 1974
BT1 Diamagnetism
BT2 Magnetism
RT Plasma

Plasma Diodes
DA December 1, 1974
USE Thermionic Diodes

PLASMA DISRUPTION [01]
DA September 15, 1983
RT Confinement Time
RT Nonlinear Problems
RT Particle Losses
RT Plasma Confinement
RT Plasma Macroinstabilities
RT Sawtooth Oscillations
RT Tearing Instability
RT Tokamak Devices

PLASMA DRIFT [01]
DA December 1, 1974
UF *Drift (Plasma)*
RT Ambipolar Diffusion
RT Drift Instability
RT Plasma
RT Plasma Expansion
RT Plasma Fluid Equations

PLASMA EATERS [01]
DA June 30, 1975
BT1 Electric Probes
BT2 Probes
RT Electron Density
RT Flow Rate
RT Plasma
RT Plasma Diagnostics

PLASMA EXPANSION [01]
DA December 1, 1974
BT1 Expansion
RT Plasma
RT Plasma Density
RT Plasma Drift
RT Plasma Instability

PLASMA FILAMENT [01]
DA December 1, 1974
UF *Filament (Plasma)*
RT Pinch Effect
RT Plasma
RT Plasma Focus
RT Plasma Jets

PLASMA FLUID EQUATIONS [01]
DA December 5, 1988
RT Magnetohydrodynamics
RT Moments Method
RT Plasma Drift
RT Plasma Simulation

PLASMA FOCUS [01]
DA December 1, 1974
RT Pinch Effect
RT Plasma
RT Plasma Density
RT Plasma Filament
RT Plasma Focus Devices
RT Plasma Guns

PLASMA FOCUS DEVICES [01]
DA December 1, 1974
BT1 Open Plasma Devices
BT2 Thermonuclear Devices
RT Plasma Focus

Plasma Frequency
DA December 1, 1974
USE Langmuir Frequency

PLASMA FURNACES [01]
DA December 1, 1974
BT1 Furnaces
RT Arc Furnaces

PLASMA GUNS [01]
DA December 1, 1974
UF *Plasma Accelerators*
RT Impact Fusion Drivers
RT Plasma Acceleration
RT Plasma Focus
RT Plasma Jets
RT Plasma Rings

PLASMA HEATING [01]
DA December 1, 1974
BT1 Heating
NT1 Adiabatic Compression Heating
NT1 Beam Injection Heating
NT1 High-Frequency Heating
NT2 ECR Heating
NT2 ICR Heating
NT2 Lower Hybrid Heating
NT2 Magnetic-Pumping Heating
NT3 Acoustic Heating
NT3 Collisional Heating
NT3 Transit-Time Magnetic Pumping
NT1 Joule Heating
NT2 Current-Drive Heating
NT1 Laser-Radiation Heating
NT1 Shock Heating
NT1 Turbulent Heating
RT Energy Deposition
RT Microwave Heating
RT Mode Conversion
RT Plasma
RT Plasma Potential
RT Plasma Production
RT Thermonuclear Devices

→**PLASMA IMPURITIES [01]**
DA May 16, 1990
BT1 Impurities
RT Divertors
RT Limiters
RT Plasma
RT Plasma Scrape-Off Layer
RT Wall Effects

PLASMA INSTABILITY [01]
DA December 1, 1974
BT1 Instability
NT1 Absolute Instabilities
NT1 Convective Instabilities
NT1 Decay Instability
NT1 Explosive Instability
NT1 Gravitational Instability
NT1 Plasma Macroinstabilities
NT2 Ballooning Instability
NT2 Edge Localized Modes
NT2 Fishbone Instability
NT2 Flute Instability
NT2 Helical Instability
NT2 Helmholtz Instability
NT2 Kink Instability
NT2 Parametric Instabilities
NT2 Sausage Instability
NT2 Tearing Instability
NT2 Tilting Instability
NT2 Trapped-Particle Instability
NT2 Whistler Instability
NT1 Plasma Microinstabilities
NT2 Bump-in-Tail Instability
NT2 Cyclotron Instability
NT2 Drift Instability
NT2 Hose Instability
NT2 Ion Wave Instability
NT2 Loss Cone Instability
NT2 Negative Mass Instability
NT2 Two-Stream Instability
RT Dispersion Relations
RT Instability Growth Rates
RT MARFE
RT Mercier Criterion
RT MHD Equilibrium
RT Negative Mass Effect
RT Nonlinear Problems
RT Plasma
RT Plasma Expansion
RT Suydam Criterion

PLASMA JETS [01]
DA December 1, 1974
RT Plasma Acceleration
RT Plasma Filament
RT Plasma Guns

PLASMA MACROINSTABILITIES [01]
DA December 1, 1974
BT1 Plasma Instability
BT2 Instability
NT1 Ballooning Instability
NT1 Edge Localized Modes
NT1 Fishbone Instability
NT1 Flute Instability
NT1 Helical Instability
NT1 Helmholtz Instability
NT1 Kink Instability
NT1 Parametric Instabilities
NT1 Sausage Instability
NT1 Tearing Instability
NT1 Tilting Instability
NT1 Trapped-Particle Instability
NT1 Whistler Instability
RT Decay Instability
RT Plasma Disruption
RT Rayleigh-Taylor Instability

PLASMA MICROINSTABILITIES [01]
DA December 1, 1974
BT1 Plasma Instability
BT2 Instability
NT1 Bump-in-Tail Instability
NT1 Cyclotron Instability
NT1 Drift Instability
NT1 Hose Instability
NT1 Ion Wave Instability
NT1 Loss Cone Instability
NT1 Negative Mass Instability
NT1 Two-Stream Instability
RT Decay Instability

Plasma Oscillations
DA December 1, 1974
USE Plasma Waves

PLASMA POTENTIAL [01]
(Electrostatic potential of a plasma along a magnetic field line.)
DA December 5, 1988
BT1 Electric Potential
RT Charge Exchange
RT Magnetic Mirror Configurations
RT Magnetic Mirrors
RT Plasma Heating

PLASMA PRESSURE [01]
DA June 19, 1975
UF *Pressure (Plasma)*
RT Beta Ratio

PLASMA PRODUCTION [01]
DA December 1, 1974
UF *Production (Plasma)*
RT High-Frequency Discharges
RT Ionization
RT Laser-Produced Plasma
RT Plasma
RT Plasma Heating
RT Thermonuclear Devices

PLASMA RADIAL PROFILES [01]
DA October 16, 1989
RT Magnetic Flux Coordinates
RT Magnetic Surfaces
RT Plasma
RT Spatial Distribution
RT Stellarators
RT Tokamak Devices

PLASMA RINGS [01]
DA March 6, 1984
RT Compact Torus
RT Plasma
RT Plasma Guns

PLASMA SCRAPE-OFF LAYER [01]
DA September 15, 1983
BT1 Boundary Layers
BT2 Layers
RT Plasma
RT Plasma Impurities

PLASMA SEEDING [01]
(Restricted to MHD.)
DA February 20, 1975
RT MHD Channels
RT MHD Generators
RT Seed Recovery
RT Seed-Slag Interactions
RT Spent Seed

PLASMA SHEATH [01]
DA December 1, 1974
RT MARFE
RT Reentry

PLASMA SHEET [01]
DA December 1, 1974
BT1 Earth Magnetosphere
BT2 Earth Atmosphere
RT Magnetotail

PLASMA SIMULATION [01]
DA December 1, 1974
UF *Models (Plasma)*
BT1 Simulation
RT Functional Models
RT Plasma
RT Plasma Fluid Equations
RT Simulators

Plasma Substitutes
DA April 20, 1981
USE Blood Substitutes

PLASMA SWITCHES [01]
DA April 28, 1983
BT1 Switches
BT2 Electrical Equipment
BT3 Equipment
RT Pulse Generators
RT Pulse Techniques
DEF Fast switches to handle kiloampere currents using a plasma as the contact.

PLASMA WAVES [01]
DA December 1, 1974
UF *Electrostatic Waves*
UF *Langmuir Oscillations*
UF *Oscillations (Plasma)*
UF *Plasma Oscillations*
NT1 Electron Plasma Waves
NT1 Ion Waves
NT2 Ion Acoustic Waves
NT2 Ion Plasma Waves
RT Alfven Waves
RT Beat Wave Accelerators
RT Decay Instability
RT Dispersion Relations
RT Harmonics
RT Hydromagnetic Waves
RT Landau Damping
RT Normal-Mode Analysis
RT Oscillation Modes
RT Plasma
RT Plasmons
RT Tonks-Dattner Resonance
RT Tonks-Langmuir Theory
RT Wakefield Accelerators
RT Whistler Instability

PLASMAPAUSE [01]
DA December 1, 1974
BT1 Earth Magnetosphere
BT2 Earth Atmosphere
RT Loss Cone
RT Magnetotail
RT Plasmasphere

PLASMASPHERE [01]
DA December 1, 1974
BT1 Earth Magnetosphere
BT2 Earth Atmosphere
RT Magnetotail
RT Plasmapause

PLASMATRONS [01]
DA December 1, 1974
BT1 Electron Tubes
NT1 Duoplasmatrons
NT1 Triplasmatrons

PLASMIDS [01]
DA December 22, 1977
UF *Paragenes*
BT1 Cell Constituents
RT Genes
RT Genetics
RT Transposons

Plasmin
DA January 12, 1981
USE Fibrinolysin

PLASMINOGEN [01]
DA April 20, 1981
BT1 Blood Coagulation Factors
BT2 Coagulants
BT3 Hematologic Agents
BT4 Drugs
BT2 Proteins
BT3 Organic Compounds
BT1 Fibrinolytic Agents
BT2 Hematologic Agents
BT3 Drugs

Plasmocytes
DA December 1, 1974
USE Plasma Cells

PLASMODIUM [01]
DA December 1, 1974
BT1 Parasites
BT1 Sporozoa
BT2 Protozoa
BT3 Invertebrates
BT4 Animals
BT3 Microorganisms
RT Malaria

PLASMOIDS [01]
DA December 1, 1974
RT Plasma

PLASMONS [01]
DA December 1, 1974
BT1 Quasi Particles
RT Plasma Waves
RT Solid-State Plasma

Plaster of Paris
DA December 1, 1974
USE Gypsum Cements

PLASTIC FOAMS [01]
DA December 1, 1974
BT1 Foams
BT2 Colloids
BT3 Dispersions
BT1 Organic Polymers
BT2 Organic Compounds
BT2 Polymers

Plastic Properties
DA December 1, 1974
USE Plasticity

Plastic Scintillation Counters
DA December 1, 1974
USE Plastic Scintillation Detectors

PLASTIC SCINTILLATION DETECTORS [01]
DA December 1, 1974
UF *Plastic Scintillation Counters*
BT1 Solid Scintillation Detectors
BT2 Scintillation Counters
BT3 Radiation Detectors
BT4 Measuring Instruments
RT Plastic Scintillators

PLASTIC SCINTILLATORS [01]
DA December 1, 1974
BT1 Phosphors
RT Anthracene
RT Plastic Scintillation Detectors
RT Terphenyls

PLASTIC SURGERY [01]
DA December 1, 1974
BT1 Surgery
BT2 Medicine
RT Transplants

PLASTICITY [01]
DA December 1, 1974
UF *Plastic Properties*
BT1 Mechanical Properties
RT Creep
RT Deformation
RT Ductility
RT Flow Stress
RT Thixotropy

PLASTICIZERS [01]
DA December 1, 1974
SF *Chemicals*
RT Polymerization

PLASTICS
DA February 5, 1975
BT1 Petrochemicals
BT2 Petroleum Products
BT1 Synthetic Materials
BT2 Materials
NT1 Aramids
NT1 Bakelite
NT1 Formvar
NT1 Laminac
NT1 Lucite
NT1 Mylar
NT1 Nylon
NT1 Perspex
NT1 Plexiglas
NT1 Polystyrene
NT1 Polyurethanes
NT2 Halthane
NT1 Reinforced Plastics
NT1 Tedlar
NT1 Teflon
NT1 Thermoplastics
RT Concrete-Plastic Composites
RT Organic Polymers
RT Plastics Industry

PLASTICS INDUSTRY
DA November 14, 1978
BT1 Industry
RT Plastics

PLASTOQUINONE
DA July 18, 1981
BT1 Benzoquinones
BT2 Quinones
BT3 Aromatics
BT4 Organic Compounds
BT3 Organic Oxygen Compounds
BT4 Organic Compounds
RT Photosynthesis

PLATE TECTONICS
DA August 4, 1976
BT1 Tectonics
RT Benioff Zone
RT Earth Crust

RT Gondwana
RT Paleomagnetism
RT Sea-Floor Spreading
RT Subduction Zones
DEF Global tectonics based on an Earth model characterized by a small number (10-25) of large, broad, thick plates (blocks composed of areas of both continental and oceanic crust and mantle) each of which "floats" on some viscous underlayer in the mantle and moves more or less independently of the others.

PLATEAU REGIME [01]
DA April 14, 1980
RT Neoclassical Transport Theory
RT Plasma Confinement
RT Tokamak Devices
RT Trapping
DEF The collision frequency regime characterized by an effective coulomb scattering rate equal to or greater than the poloidal transit frequency, but a mean free path less than the connection length. In this regime, the transport coefficients are independent of collision frequency.

PLATES [01]
(Thicker than SHEETS or FOILS.)
DA December 1, 1974
RT Landau Domain Structure
RT Prismatic Configuration
RT Rectangular Configuration
RT Shape

Plates (Fuel)
DA December 1, 1974
USE Fuel Plates

Platform Mounted Nuclear Plant
DA December 1, 1974
USE Offshore Nuclear Power Plants

PLATING [01]
(For the process only.)
DA December 1, 1974
BT1 Surface Coating
BT2 Deposition
NT1 Electroplating
NT1 Vapor Plating
RT Cladding
RT Rolling

Plating Solutions
DA January 24, 1986
USE Process Solutions

PLATINUM [01]
DA December 1, 1974
BT1 Platinum Metals
BT2 Transition Elements
BT3 Metals
BT4 Elements

PLATINUM 168 [01]
DA July 3, 1986
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Platinum Isotopes
BT2 Isotopes

PLATINUM 169 [01]
DA July 3, 1986
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Platinum Isotopes
BT2 Isotopes

PLATINUM 170 [01]
DA May 8, 1984
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Platinum Isotopes
BT2 Isotopes

PLATINUM 171 [01]
DA March 10, 1982
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Platinum Isotopes
BT2 Isotopes

PLATINUM 172 [01]
DA March 10, 1982
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Platinum Isotopes
BT2 Isotopes

PLATINUM 173 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Platinum Isotopes
BT2 Isotopes

PLATINUM 174 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Platinum Isotopes
BT2 Isotopes

PLATINUM 175 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Platinum Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

PLATINUM 176 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Platinum Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

PLATINUM 177 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Platinum Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

PLATINUM 178 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Platinum Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

PLATINUM 179 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Platinum Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes

BT2 Radioisotopes
BT3 Isotopes

PLATINUM 180 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Platinum Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

PLATINUM 181 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Platinum Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

PLATINUM 182 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Platinum Isotopes
BT2 Isotopes

PLATINUM 183 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Platinum Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

PLATINUM 184 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Platinum Isotopes
BT2 Isotopes

PLATINUM 185 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Platinum Isotopes
BT2 Isotopes

PLATINUM 186 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Platinum Isotopes
BT2 Isotopes

PLATINUM 187 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Platinum Isotopes
BT2 Isotopes

PLATINUM 188 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Platinum Isotopes
BT2 Isotopes

PLATINUM 189 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Platinum Isotopes
BT2 Isotopes

PLATINUM 190 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Platinum Isotopes
BT2 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

PLATINUM 190 TARGET [01]
DA October 23, 1979
BT1 Targets

PLATINUM 191 [01]
DA December 1, 1974
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Platinum Isotopes
BT2 Isotopes

PLATINUM 192 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Platinum Isotopes
BT2 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

PLATINUM 192 TARGET [01]
DA June 2, 1977
BT1 Targets

PLATINUM 193 [01]
DA December 1, 1974
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Platinum Isotopes
BT2 Isotopes

BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Platinum Isotopes
BT2 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

PLATINUM 194 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Platinum Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

PLATINUM 194 TARGET [01]
DA July 9, 1976
BT1 Targets

PLATINUM 195 [01]
DA December 1, 1974
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Platinum Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

PLATINUM 195 TARGET [01]
DA July 9, 1976
BT1 Targets

PLATINUM 196 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Platinum Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

PLATINUM 196 TARGET [01]
DA July 9, 1976
BT1 Targets

PLATINUM 197 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Platinum Isotopes
BT2 Isotopes

PLATINUM 198 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Platinum Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

PLATINUM 198 TARGET [01]
DA July 9, 1976
BT1 Targets

PLATINUM 199 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Platinum Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

PLATINUM 200 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Platinum Isotopes
BT2 Isotopes

PLATINUM 201 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Platinum Isotopes
BT2 Isotopes

PLATINUM 202 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Platinum Isotopes
BT2 Isotopes

PLATINUM 203 [01]
DA December 1, 1974
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Platinum Isotopes
BT2 Isotopes

PLATINUM 204 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Platinum Isotopes
BT2 Isotopes

PLATINUM 205 [01]
DA December 1, 1974
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Platinum Isotopes
BT2 Isotopes

PLATINUM 206 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Platinum Isotopes
BT2 Isotopes

PLATINUM 207 [01]
DA December 1, 1974
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Platinum Isotopes
BT2 Isotopes

PLATINUM 208 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Platinum Isotopes
BT2 Isotopes

PLATINUM 235 TARGET [01]
DA July 9, 1976
BT1 Targets

PLATINUM ADDITIONS [01]
DA December 1, 1974
BT1 Platinum Alloys
BT2 Platinum Metal Alloys
BT3 Alloys

PLATINUM ALLOYS [01]
DA December 1, 1974
BT1 Platinum Metal Alloys
BT2 Alloys
NT1 Platinum Additions
NT1 Platinum Base Alloys

PLATINUM ARSENIDES [01]
DA August 9, 1985
BT1 Arsenides
BT2 Arsenic Compounds
BT2 Pnictides
BT1 Platinum Compounds
BT2 Transition Element Compounds

PLATINUM BASE ALLOYS [01]
DA December 1, 1974
BT1 Platinum Alloys
BT2 Platinum Metal Alloys
BT3 Alloys

PLATINUM BROMIDES [01]
DA December 1, 1974
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds

BT1 Platinum Compounds
BT2 Transition Element Compounds

PLATINUM CARBIDES [01]
DA December 1, 1974
BT1 Carbides
BT2 Carbon Compounds
BT1 Platinum Compounds
BT2 Transition Element Compounds

PLATINUM CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Platinum Compounds
BT2 Transition Element Compounds

PLATINUM COMPLEXES [01]
DA December 1, 1974
BT1 Transition Element Complexes
BT2 Complexes

PLATINUM COMPOUNDS [01]
DA December 1, 1974
BT1 Transition Element Compounds
NT1 Platinum Arsenides
NT1 Platinum Bromides
NT1 Platinum Carbides
NT1 Platinum Chlorides
NT1 Platinum Fluorides
NT1 Platinum Hydrides
NT1 Platinum Hydroxides
NT1 Platinum Iodides
NT1 Platinum Oxides
NT1 Platinum Phosphides
NT1 Platinum Silicides
NT1 Platinum Sulfates
NT1 Platinum Sulfides
NT1 Platinum Tellurides

PLATINUM FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Platinum Compounds
BT2 Transition Element Compounds

PLATINUM HYDRIDES [01]
DA January 22, 1975
BT1 Hydrides
BT2 Hydrogen Compounds
BT1 Platinum Compounds
BT2 Transition Element Compounds

PLATINUM HYDROXIDES [01]
DA July 24, 1979
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds
BT1 Platinum Compounds
BT2 Transition Element Compounds

PLATINUM IODIDES [01]
DA April 4, 1975
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds
BT1 Platinum Compounds
BT2 Transition Element Compounds

PLATINUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

PLATINUM ISOTOPES [01]
DA December 1, 1974
BT1 Isotopes
NT1 Platinum 168
NT1 Platinum 169
NT1 Platinum 170
NT1 Platinum 171
NT1 Platinum 172
NT1 Platinum 173
NT1 Platinum 174
NT1 Platinum 175
NT1 Platinum 176
NT1 Platinum 177
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NT1 Platinum 181
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NT1 Platinum 196
NT1 Platinum 197
NT1 Platinum 198
NT1 Platinum 199
NT1 Platinum 200
NT1 Platinum 201
NT1 Platinum 202
NT1 Platinum 203
NT1 Platinum 204
NT1 Platinum 205
NT1 Platinum 206
NT1 Platinum 207
NT1 Platinum 208

PLATINUM METAL ALLOYS [01]
DA February 6, 1975
BT1 Alloys
NT1 Iridium Alloys
NT2 Iridium Additions
NT2 Iridium Base Alloys
NT1 Osmium Alloys
NT2 Osmium Additions
NT2 Osmium Base Alloys
NT1 Palladium Alloys
NT2 Palau
NT2 Palladium Additions
NT2 Palladium Base Alloys
NT1 Platinum Alloys
NT2 Platinum Additions
NT2 Platinum Base Alloys
NT1 Rhodium Alloys
NT2 Rhodium Additions
NT2 Rhodium Base Alloys
NT1 Ruthenium Alloys
NT2 Ruthenium Additions
NT2 Ruthenium Base Alloys

PLATINUM METALS [01]
DA December 1, 1974
BT1 Transition Elements
BT2 Metals
BT3 Elements
NT1 Iridium
NT1 Osmium
NT1 Palladium
NT1 Platinum
NT1 Rhodium
NT1 Ruthenium

PLATINUM OXIDES [01]
DA December 1, 1974
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds
BT1 Platinum Compounds
BT2 Transition Element Compounds

PLATINUM PHOSPHIDES [01]
DA March 4, 1977
BT1 Phosphides
BT2 Phosphorus Compounds
BT2 Pnictides
BT1 Platinum Compounds
BT2 Transition Element Compounds

PLATINUM SILICIDES [01]
DA August 7, 1978
BT1 Platinum Compounds
BT2 Transition Element Compounds
BT1 Silicides
BT2 Silicon Compounds

PLATINUM SULFATES [01]
DA July 7, 1976
BT1 Platinum Compounds
BT2 Transition Element Compounds
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds

PLATINUM SULFIDES [01]
DA December 1, 1974
BT1 Platinum Compounds
BT2 Transition Element Compounds
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds

PLATINUM TELLURIDES [01]
DA June 7, 1976
BT1 Platinum Compounds
BT2 Transition Element Compounds
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds

PLATR Reactor
DA December 1, 1974
USE PRR Reactor

PLATYHELMINTHS [01]
DA December 1, 1974
UF *Cercaria*
UF *Worms (Flat)*
BT1 Helminths
BT2 Parasites
NT1 Cestodes
NT2 Hymenolepis
NT1 Trematodes
NT2 Fasciola
NT2 Schistosoma
NT1 Turbellaria
NT2 Planaria

PLBR REACTOR [01]
(Joint ERDA-EPRI design project.)
DA August 24, 1977
UF *Prototype Large Breeder Reactor*
BT1 LMFBR Type Reactors
BT2 FBR Type Reactors
BT3 Breeder Reactors
BT4 Reactors
BT3 Fast Reactors
BT4 Epithermal Reactors
BT5 Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors

Pleasanton USA NTR Reactor
DA December 1, 1974
USE NTR Reactor

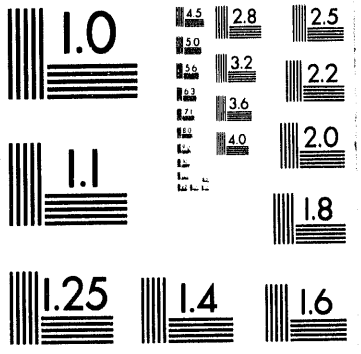
PLEIADE DEVICE [01]
DA December 1, 1974
BT1 Magnetic Mirrors
BT2 Open Plasma Devices
BT3 Thermonuclear Devices

PLEISTOCENE EPOCH [01]
DA October 20, 1977
BT1 Quaternary Period
BT2 Cenozoic Era
BT3 Geologic Ages
RT Climates
RT Geologic History
RT Glaciers

Plesiotherapy
DA December 1, 1974
USE Radiotherapy

PLEURA [01]
DA December 1, 1974
BT1 Serous Membranes
BT2 Membranes
RT Chest
RT Lungs
RT Mediastinum

PLEXIGLAS [01]
DA December 1, 1974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BT1 Plastics
BT2 Petrochemicals
BT3 Petroleum Products
BT2 Synthetic Materials
BT3 Materials
BT1 Polyacrylates
BT2 Esters
BT3 Organic Compounds
BT2 Polyvinyls
BT3 Organic Polymers
BT4 Organic Compounds
BT4 Polymers
RT PMMA

PLIOCENE EPOCH [01]
DA October 20, 1977
BT1 Tertiary Period
BT2 Cenozoic Era
BT3 Geologic Ages
RT Age Estimation
RT Geologic History
RT Stratigraphy

PLOIDY [01]
DA December 1, 1974
NT1 Aneuploidy
NT1 Diploidy
NT1 Haploidy
NT1 Polyploidy
RT Genome Mutations

PLOTTERS [01]
DA December 1, 1974
BT1 Computer-Graphics Devices
BT2 Computer Output Devices
RT Computer Graphics
RT Display Devices

Plows (Coal)
DA June 6, 1979
USE Coal Plows

PLOWSHARE PROJECT [01]
DA December 1, 1974
UF *Project (Plowshare)*
NT1 Bronco Event
NT1 Cabriolet Event
NT1 Chariot Event
NT1 Danny Boy Event
NT1 Gasbuggy Event
NT1 Gnome Event
NT1 Hardhat Event
NT1 Marvel Event
NT1 Miniata Event
NT1 Pre-Gondola I Event
NT1 Pre-Gondola II Event
NT1 Rio Blanco Event
NT1 Rulison Event
NT1 Schooner Event
NT1 Sedan Event
NT1 Sloop Event
NT1 Wagon Wheel Event
RT Cratering Explosions
RT Nuclear Excavation
RT Nuclear Explosions
RT Surface Explosions
RT Underground Explosions

PLT DEVICES [01]
DA April 11, 1979
UF *Princeton Large Torus*
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

PLUGGING [01]
DA January 10, 1977
RT Cementing
RT Oil Wells
RT Permeability
RT Plugging Agents
RT Reservoir Rock

PLUGGING AGENTS [01]
DA March 23, 1983
RT Cements
RT Gels
RT Oil Wells
RT Plugging
RT Polymers
RT Reservoir Rock

Plugs
DA December 1, 1974
USE Closures

Plum Brook NASA-TR
DA December 1, 1974
USE PBR Reactor

Plum Brook Reactor Facility
DA December 1, 1974
USE PBR Reactor

PLUMBATES [01]
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
DA December 1, 1974
BT1 Lead Compounds
BT1 Oxygen Compounds
RT Lead Oxides

PLUMBBOB PROJECT [01]
DA December 1, 1974
UF *Project (Plumbbob)*
UF+ *Boltzmann Event*
BT1 Nuclear Explosions
BT2 Explosions
NT1 Smoky Event
RT Nuclear Weapons

PLUMBING
DA November 7, 1979
RT Pipe Fittings
RT Pipe Joints
RT Pipes
RT Water Faucets
RT Water Supply

PLUMES [01]
DA December 1, 1974
RT Air Pollution
RT Gaseous Wastes
RT Liquid Wastes
RT Smokes
RT Stack Disposal
RT Thermal Pollution
RT Waste Heat
RT Water Pollution

PLUMS [01]
DA December 1, 1974
BT1 Fruits
BT2 Food
RT Rosaceae

Plunger Method
DA February 10, 1984
USE Charge Plunger Method

Plunger Pumps
DA May 10, 1984
USE Rod Pumps

PLURONICS [01]
DA December 1, 1974
BT1 Detergents
BT2 Emulsifiers
BT3 Additives
BT2 Wetting Agents
BT3 Surfactants
BT1 Polyethylene Glycols
BT2 Glycols
BT3 Alcohols
BT4 Hydroxy Compounds
BT5 Organic Compounds
BT2 Organic Polymers
BT3 Organic Compounds
BT3 Polymers

Plus-Minus Ratio
DA February 5, 1979
USE Minus-Plus Ratio

PLUTO PLANET [01]
DA December 1, 1974
BT1 Planets

PLUTO REACTOR [01]
DA December 1, 1974
UF *Harwell Pluto Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Heavy Water Cooled Reactors
BT2 Reactors
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Materials Testing Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

PLUTONIC ROCKS [01]
DA August 12, 1980
UF *Intrusive Rocks*
SF *Intrusion*
BT1 Igneous Rocks
BT2 Rocks
NT1 Alkali Gabbros
NT1 Diorites
NT1 Gabbros
NT2 Anorthosites
NT1 Granites
NT2 Aplites
NT2 Granodiorites
NT2 Quartz Monzonite
NT1 Pegmatites
NT1 Peridotites
NT2 Kimberlites
NT1 Syenites

PLUTONIUM [01]
DA December 1, 1974
UF+ *DYMAC System*
UF+ *Dynamic Materials Accountability System*
BT1 Actinides
BT2 Metals
BT3 Elements
BT1 Transuranium Elements
BT2 Elements
NT1 Plutonium-Alpha
NT1 Plutonium-Beta
NT1 Plutonium-Delta
NT1 Plutonium-Epsilon
NT1 Plutonium-Eta
NT1 Plutonium-Gamma
RT Plutonium Recycle

PLUTONIUM 228 [01]
DA November 23, 1979
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Plutonium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

PLUTONIUM 230 [01]
DA November 23, 1979
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Plutonium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

PLUTONIUM 231 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Plutonium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

PLUTONIUM 232 [01]
DA December 1, 1974

BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Plutonium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

PLUTONIUM 233 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Plutonium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

PLUTONIUM 234 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Plutonium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

PLUTONIUM 235 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Plutonium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

PLUTONIUM 235 TARGET [01]
DA August 24, 1976
BT1 Targets

PLUTONIUM 236 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Plutonium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

PLUTONIUM 236 TARGET [01]
DA November 28, 1977
BT1 Targets

PLUTONIUM 237 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Nanosec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Plutonium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

PLUTONIUM 237 TARGET [01]
DA April 13, 1977
BT1 Targets

PLUTONIUM 238 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Plutonium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Silicon 32 Decay Radioisotopes
BT2 Heavy Ion Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

PLUTONIUM 238 TARGET [01]
DA July 9, 1976
BT1 Targets

PLUTONIUM 239 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Plutonium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

PLUTONIUM 239 TARGET [01]
DA July 9, 1976
BT1 Targets

PLUTONIUM 240 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Plutonium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

PLUTONIUM 240 TARGET [01]
DA July 9, 1976
BT1 Targets

PLUTONIUM 241 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Plutonium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

PLUTONIUM 241 TARGET [01]
DA July 9, 1976
BT1 Targets

PLUTONIUM 242 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei

BT2 Nuclei
BT1 Plutonium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

PLUTONIUM 242 TARGET [01]
DA July 9, 1976
BT1 Targets

PLUTONIUM 243 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Plutonium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

PLUTONIUM 243 TARGET [01]
DA March 8, 1978
BT1 Targets

PLUTONIUM 244 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Plutonium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

PLUTONIUM 244 TARGET [01]
DA August 24, 1976
BT1 Targets

PLUTONIUM 245 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Plutonium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

PLUTONIUM 246 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Plutonium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

PLUTONIUM 247 [01]
DA September 15, 1983
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Plutonium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

PLUTONIUM 248 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Plutonium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

PLUTONIUM 250 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Plutonium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

PLUTONIUM ADDITIONS [01]
DA December 1, 1974
BT1 Plutonium Alloys
BT2 Actinide Alloys
BT3 Alloys

PLUTONIUM ALLOYS [01]
DA December 1, 1974
BT1 Actinide Alloys
BT2 Alloys
NT1 Plutonium Additions
NT1 Plutonium Base Alloys

PLUTONIUM-ALPHA [01]
DA December 1, 1974
BT1 Plutonium
BT2 Actinides
BT3 Metals
BT4 Elements
BT2 Transuranium Elements
BT3 Elements

PLUTONIUM ARSENIDES [01]
DA March 28, 1979
BT1 Arsenides
BT2 Arsenic Compounds
BT2 Pnictides
BT1 Plutonium Compounds
BT2 Actinide Compounds
BT2 Transuranium Compounds

PLUTONIUM BASE ALLOYS [01]
DA December 1, 1974
BT1 Plutonium Alloys
BT2 Actinide Alloys
BT3 Alloys

PLUTONIUM-BETA [01]
DA December 1, 1974
BT1 Plutonium
BT2 Actinides
BT3 Metals
BT4 Elements
BT2 Transuranium Elements
BT3 Elements

PLUTONIUM BORIDES [01]
DA December 1, 1974
BT1 Borides
BT2 Boron Compounds
BT1 Plutonium Compounds
BT2 Actinide Compounds
BT2 Transuranium Compounds

PLUTONIUM BROMIDES [01]
DA December 1, 1974
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Plutonium Compounds
BT2 Actinide Compounds
BT2 Transuranium Compounds

PLUTONIUM CARBIDES [01]
DA December 1, 1974
BT1 Carbides
BT2 Carbon Compounds
BT1 Plutonium Compounds
BT2 Actinide Compounds
BT2 Transuranium Compounds
RT Mixed Carbide Fuels

PLUTONIUM CARBONATES [01]
DA December 1, 1974
BT1 Carbonates
BT2 Carbon Compounds
BT2 Oxygen Compounds
BT1 Plutonium Compounds
BT2 Actinide Compounds
BT2 Transuranium Compounds

PLUTONIUM CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Plutonium Compounds
BT2 Actinide Compounds
BT2 Transuranium Compounds

PLUTONIUM COMPLEXES [01]
DA December 1, 1974
BT1 Actinide Complexes
BT2 Complexes
BT1 Transuranium Complexes
NT1 Plutonyl Complexes

PLUTONIUM COMPOUNDS [01]
DA December 1, 1974
BT1 Actinide Compounds
BT1 Transuranium Compounds
NT1 Plutonium Arsenides
NT1 Plutonium Borides
NT1 Plutonium Bromides
NT1 Plutonium Carbides
NT1 Plutonium Carbonates
NT1 Plutonium Chlorides
NT1 Plutonium Fluorides
NT1 Plutonium Hydrides
NT1 Plutonium Hydroxides
NT1 Plutonium Iodides
NT1 Plutonium Nitrates
NT1 Plutonium Nitrides
NT1 Plutonium Oxides
NT2 Plutonium Dioxide
NT1 Plutonium Perchlorates
NT1 Plutonium Peroxide
NT1 Plutonium Phosphates
NT1 Plutonium Phosphides
NT1 Plutonium Selenides
NT1 Plutonium Silicates
NT1 Plutonium Sulfates
NT1 Plutonium Sulfides
NT1 Plutonium Tellurides
NT1 Plutonyl Compounds

PLUTONIUM-DELTA [01]
DA December 1, 1974
BT1 Plutonium
BT2 Actinides
BT3 Metals

BT4 Elements
BT2 Transuranium Elements
BT3 Elements

PLUTONIUM DIOXIDE [01]
DA December 1, 1974
BT1 Plutonium Oxides
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT2 Plutonium Compounds
BT3 Actinide Compounds
BT3 Transuranium Compounds

PLUTONIUM-EPSILON [01]
DA December 1, 1974
BT1 Plutonium
BT2 Actinides
BT3 Metals
BT4 Elements
BT2 Transuranium Elements
BT3 Elements

PLUTONIUM-ETA [01]
DA December 1, 1974
BT1 Plutonium
BT2 Actinides
BT3 Metals
BT4 Elements
BT2 Transuranium Elements
BT3 Elements

PLUTONIUM FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Plutonium Compounds
BT2 Actinide Compounds
BT2 Transuranium Compounds

PLUTONIUM-GAMMA [01]
DA December 1, 1974
BT1 Plutonium
BT2 Actinides
BT3 Metals
BT4 Elements
BT2 Transuranium Elements
BT3 Elements

PLUTONIUM HYDRIDES [01]
DA December 1, 1974
BT1 Hydrides
BT2 Hydrogen Compounds
BT1 Plutonium Compounds
BT2 Actinide Compounds
BT2 Transuranium Compounds

PLUTONIUM HYDROXIDES [01]
DA December 1, 1974
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds
BT1 Plutonium Compounds
BT2 Actinide Compounds
BT2 Transuranium Compounds

PLUTONIUM IODIDES [01]
DA December 1, 1974
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds
BT1 Plutonium Compounds
BT2 Actinide Compounds
BT2 Transuranium Compounds

PLUTONIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

PLUTONIUM ISOTOPES [01]
DA December 1, 1974
BT1 Actinide Isotopes
BT2 Isotopes
NT1 Plutonium 228
NT1 Plutonium 230
NT1 Plutonium 231
NT1 Plutonium 232
NT1 Plutonium 233
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NT1 Plutonium 245
NT1 Plutonium 246
NT1 Plutonium 247
NT1 Plutonium 248
NT1 Plutonium 250

PLUTONIUM NITRATES [01]
DA December 1, 1974
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds
BT1 Plutonium Compounds
BT2 Actinide Compounds
BT2 Transuranium Compounds

PLUTONIUM NITRIDES [01]
DA December 1, 1974
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides
BT1 Plutonium Compounds
BT2 Actinide Compounds
BT2 Transuranium Compounds
RT Mixed Nitride Fuels

PLUTONIUM OXIDES [01]
DA December 1, 1974
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds
BT1 Plutonium Compounds
BT2 Actinide Compounds
BT2 Transuranium Compounds
NT1 Plutonium Dioxide

PLUTONIUM PERCHLORATES [01]
DA January 22, 1975
BT1 Perchlorates
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Oxygen Compounds
BT1 Plutonium Compounds
BT2 Actinide Compounds
BT2 Transuranium Compounds

PLUTONIUM PEROXIDE [01]
(Prior to March 1991, this descriptor was plural.)
DA May 6, 1980
BT1 Peroxides
BT2 Oxygen Compounds
BT1 Plutonium Compounds
BT2 Actinide Compounds
BT2 Transuranium Compounds

PLUTONIUM PHOSPHATES [01]
DA December 1, 1974
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds
BT1 Plutonium Compounds
BT2 Actinide Compounds
BT2 Transuranium Compounds

PLUTONIUM PHOSPHIDES [01]
DA May 15, 1975
BT1 Phosphides
BT2 Phosphorus Compounds
BT2 Pnictides
BT1 Plutonium Compounds
BT2 Actinide Compounds
BT2 Transuranium Compounds

PLUTONIUM PRODUCTION REACTORS [01]
DA December 1, 1974
BT1 Production Reactors
BT2 Reactors
NT1 Calder Hall A-1 Reactor
NT1 Calder Hall A-2 Reactor
NT1 Calder Hall B-3 Reactor
NT1 Calder Hall B-4 Reactor
NT1 Chapelcross-1 Reactor
NT1 Chapelcross-2 Reactor
NT1 Chapelcross-3 Reactor
NT1 Chapelcross-4 Reactor
NT1 G-1 Reactor
NT1 G-2 Reactor
NT1 G-3 Reactor
NT1 Hanford Production Reactors
NT1 N-Reactor
NT1 Windscale Production Reactors

PLUTONIUM REACTORS [01]
DA December 1, 1974
BT1 Reactors
NT1 Clementine Reactor
NT1 EBR-1 Reactor
NT1 HCLWR Type Reactors
NT1 JATR Reactor
NT1 LAMPRE-1 Reactor
NT1 Masurca Reactor
NT1 Phenix Reactor
NT1 PRCF Reactor
NT1 Rapsodie Reactor
NT1 SBR-1 Reactor
NT1 SBR-2 Reactor
NT1 SBR-5 Reactor
NT1 SEFOR Reactor
NT1 Super Phenix Reactor
NT1 ZEEP Reactor
NT1 Zephyr Reactor
RT Beloyarsk-3 Reactor
RT BN-350 Reactor
RT Clinch River Breeder Reactor
RT EBR-2 Reactor
RT PFR Reactor
RT SNEAK Reactor
RT VERA Reactor
RT ZEBRA Reactor
RT Zenith Reactor

PLUTONIUM RECYCLE [01]
DA January 22, 1975
BT1 Fuel Cycle
RT CIVEX Process
RT Fuel Cycle Centers
RT Plutonium
DEF Use of plutonium from reprocessed spent fuels in reload fuels.

Plutonium Recycle Critical Facility
DA December 1, 1974
USE PRCF Reactor

Plutonium Recycle Test Reactor
DA December 1, 1974
USE PRTR Reactor

PLUTONIUM SELENIDES [01]
DA March 28, 1979
BT1 Plutonium Compounds
BT2 Actinide Compounds
BT2 Transuranium Compounds
BT1 Selenides
BT2 Chalcogenides
BT2 Selenium Compounds

PLUTONIUM SILICATES [01]
DA September 5, 1984
BT1 Plutonium Compounds
BT2 Actinide Compounds
BT2 Transuranium Compounds
BT1 Silicates
BT2 Oxygen Compounds
BT2 Silicon Compounds

PLUTONIUM SULFATES [01]
DA December 1, 1974
BT1 Plutonium Compounds
BT2 Actinide Compounds
BT2 Transuranium Compounds
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds

PLUTONIUM SULFIDES [01]
DA December 1, 1974
BT1 Plutonium Compounds
BT2 Actinide Compounds
BT2 Transuranium Compounds
BT1 Sulfides

BT2 Chalcogenides
BT2 Sulfur Compounds

PLUTONIUM TELLURIDES [01]
DA April 19, 1976
BT1 Plutonium Compounds
BT2 Actinide Compounds
BT2 Transuranium Compounds
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds

PLUTONYL COMPLEXES [01]
DA September 15, 1983
BT1 Plutonium Complexes
BT2 Actinide Complexes
BT3 Complexes
BT2 Transuranium Complexes
RT Plutonyl Compounds

PLUTONYL COMPOUNDS [01]
DA December 1, 1974
BT1 Plutonium Compounds
BT2 Actinide Compounds
BT2 Transuranium Compounds
RT Plutonyl Complexes

Plymouth Pilgrim Power Reactor
DA December 1, 1974
USE Pilgrim-1 Reactor

PLZT [01]
DA July 7, 1983
BT1 Lanthanum Compounds
BT2 Rare Earth Compounds
BT1 Lead Compounds
BT1 Titanates
BT2 Oxygen Compounds
BT2 Titanium Compounds
BT3 Transition Element Compounds
BT1 Zirconates
BT2 Oxygen Compounds
BT2 Zirconium Compounds
BT3 Transition Element Compounds
DEF A ferroelectric, ceramic, electrooptical material whose optical properties can be changed by an electric field or by being placed in tension or compression.

PM-2A REACTOR [01]
DA December 1, 1974
UF *Camp Century Medium Power Plant 2A*
UF *Portable Medium Power Plant 2A*
BT1 Process Heat Reactors
BT2 Reactors
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

PM-3A REACTOR [01]
DA December 1, 1974
UF *McMurdo Sound Medium Power Plant 3A*
UF *Portable Medium Power Plant 3A*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

PMMA [01]
DA March 4, 1980
UF *Polymethylmethacrylates*
BT1 Polyacrylates
BT2 Esters
BT3 Organic Compounds
BT2 Polyvinyls
BT3 Organic Polymers
BT4 Organic Compounds
BT4 Polymers
RT Lucite
RT Methacrylic Acid Esters
RT Methyl Methacrylate
RT Plexiglas

PNA
(Polynuclear aromatics.)
DA July 5, 1978
USE Polycyclic Aromatic Hydrocarbons

PNC [01]
DA September 11, 1975
UF *Power Reactor Nuclear Fuel Development Corporation*
BT1 Japanese Organizations
BT2 National Organizations

PNEUMATIC CONTROLLERS [01]
DA December 1, 1974
BT1 Control Equipment
BT2 Equipment

PNEUMATIC MOTORS
DA October 27, 1980
BT1 Motors
BT2 Engines

PNEUMATIC TRANSPORT [01]
DA June 12, 1975
BT1 Transport
RT Pipelines
RT Pneumatics

PNEUMATICS [01]
DA December 1, 1974
BT1 Fluid Mechanics
BT2 Mechanics
RT Hydraulics
RT Pneumatic Transport
DEF Pertaining to or operated by air or other gas.

PNEUMOCOCCUS [01]
DA December 1, 1974
UF *Diplococcus Pneumoniae*
BT1 Bacteria
BT2 Microorganisms
RT Pneumonia

PNEUMOCONIOSES [01]
DA December 1, 1974
UF *Black Lung Disease*
UF *Silicosis*
BT1 Respiratory System Diseases
BT2 Diseases
NT1 Berylliosis
RT Dusts
RT Lungs
RT Occupational Diseases

PNEUMONIA [01]
DA December 1, 1974
BT1 Respiratory System Diseases
BT2 Diseases
NT1 Bronchopneumonia
RT Lungs
RT Pneumococcus

PNEUMONITIS [01]
DA December 1, 1974
RT Inflammation
RT Lungs

PNICTIDES [01]
DA September 14, 1976
NT1 Antimonides
NT2 Gallium Antimonides
NT2 Indium Antimonides
NT1 Arsenides
NT2 Aluminium Arsenides
NT2 Americium Arsenides
NT2 Berkelium Arsenides
NT2 Boron Arsenides
NT2 Cadmium Arsenides
NT2 Californium Arsenides
NT2 Cerium Arsenides
NT2 Cobalt Arsenides
NT2 Copper Arsenides
NT2 Curium Arsenides
NT2 Europium Arsenides
NT2 Gadolinium Arsenides
NT2 Gallium Arsenides
NT2 Germanium Arsenides
NT2 Hafnium Arsenides
NT2 Indium Arsenides
NT2 Iron Arsenides
NT2 Lithium Arsenides
NT2 Magnesium Arsenides
NT2 Manganese Arsenides
NT2 Molybdenum Arsenides
NT2 Neptunium Arsenides
NT2 Nickel Arsenides
NT2 Niobium Arsenides
NT2 Palladium Arsenides
NT2 Platinum Arsenides
NT2 Plutonium Arsenides
NT2 Praseodymium Arsenides
NT2 Ruthenium Arsenides
NT2 Samarium Arsenides
NT2 Silicon Arsenides
NT2 Silver Arsenides
NT2 Tellurium Arsenides
NT2 Terbium Arsenides
NT2 Thorium Arsenides
NT2 Thulium Arsenides
NT2 Tin Arsenides
NT2 Uranium Arsenides
NT2 Vanadium Arsenides
NT2 Yttrium Arsenides
NT2 Zinc Arsenides
NT2 Zirconium Arsenides
* **NT1** Nitrides
* **NT1** Phosphides

PNL
DA September 10, 1982
USE Battelle Pacific Northwest Laboratories

PNL-CML Reactor
DA December 1, 1974
USE CML Reactor

PNL-PRCF Reactor
DA December 1, 1974
USE PRCF Reactor

PNPF REACTOR [01]
DA December 1, 1974
UF *Organic Moderated Reactor Piqua*
UF *Piqua Nuclear Power Facility*
UF *Piqua Organic Moderated Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 OMR Type Reactors
BT2 Organic Cooled Reactors
BT3 Reactors
BT2 Organic Moderated Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

PNPP-1 REACTOR [01]
DA July 8, 1982
UF *Bataan Philippine Power Plant*
UF *Philippine Nuclear Power Plant-1*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

PO RIVER [01]
DA August 24, 1976
BT1 Rivers
BT2 Streams

BT3 Surface Waters
RT Italy

POCKELS CELL
DA February 14, 1978
RT Liquid Crystals
DEF An electronically controllable light modulator or optical switch.

Pocket Calculators
DA November 14, 1978
USE Calculators

Pocket Chambers
DA December 1, 1974
USE Condenser Ionization Chambers

PODBIELNIAK CONTACTORS [01]
DA December 1, 1974
BT1 Extraction Apparatuses
BT2 Separation Equipment
RT Centrifugation
RT Solvent Extraction

PODOPHYLLIC ACID [01]
DA December 1, 1974
BT1 Hydroxy Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds

POINCARE-BERTRAND FORMULA [01]
DA January 22, 1975
RT Integral Calculus
RT Transport Theory

POINCARE GROUPS [01]
DA December 1, 1974
BT1 Lie Groups
BT2 Symmetry Groups
NT1 Lorentz Groups
RT Lorentz Transformations

POINT BEACH-1 REACTOR [01]
(Two Creeks, Wisconsin, USA)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

POINT BEACH-2 REACTOR [01]
(Two Creeks, Wisconsin, USA)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

POINT CHARGE [01]
DA December 1, 1974
BT1 Electric Charges

Point Contacts
DA December 1, 1974
USE Electric Contacts

POINT DEFECTS [01]
DA December 1, 1974
BT1 Crystal Defects
BT2 Crystal Structure
NT1 Interstitials
NT2 I Centers
NT1 Vacancies
NT2 Color Centers
NT3 A Centers
NT3 B Centers
NT3 E Centers
NT3 F Centers
NT3 H Centers
NT3 I Centers
NT3 M Centers
NT3 Q Centers
NT3 R Centers
NT3 S Centers
NT3 U Centers
NT3 V Centers
NT3 X Centers
NT3 Z Centers
NT2 Frenkel Defects
NT2 Schottky Defects
RT Carriers
RT Holes

POINT KERNELS [01]
DA March 8, 1978
BT1 Kernels
RT Integral Equations
RT Radiation Flux
RT Shielding

POINT LEPREAU-1 REACTOR [01]
(St. John, New Brunswick, Canada)
DA April 13, 1977
BT1 Candu Type Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT2 Pressure Tube Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 PHWR Type Reactors
BT2 Heavy Water Cooled Reactors
BT3 Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors

POINT LEPREAU-2 REACTOR [01]
(St. John, New Brunswick, Canada.)
DA September 5, 1986
BT1 Candu Type Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT2 Pressure Tube Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 PHWR Type Reactors
BT2 Heavy Water Cooled Reactors
BT3 Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors

Point Mutations
DA December 1, 1974
USE Gene Mutations

POINT POLLUTANT SOURCES [01]
(Used for general articles when sources are not named.)
DA November 28, 1977
BT1 Pollution Sources
RT Air Pollution
RT Mobile Pollutant Sources
RT Pollution
RT Water Pollution

POINT SOURCES [01]
DA December 1, 1974
BT1 Radiation Sources

Poiseuille Flow
DA December 1, 1974
USE Laminar Flow

POISONING [01]
DA December 1, 1974
NT1 Samarium Oscillations
NT1 Xenon Oscillations
RT Burnable Poisons
RT Nuclear Poisons
RT Reactivity
RT Reactor Kinetics

Poisons (Chemical)
DA March 24, 1983
USE Hazardous Materials

Poisons (Nuclear)
DA December 1, 1974
USE Nuclear Poisons

POISSON EQUATION [01]
DA December 1, 1974
BT1 Partial Differential Equations
BT2 Differential Equations
BT3 Equations
RT Laplace Equation

POISSON RATIO [01]
DA December 1, 1974
BT1 Mechanical Properties
RT Elasticity
RT Hooke Law
RT Strains

POKHRAN EVENT [01]
DA January 26, 1976
BT1 Contained Explosions
BT2 Explosions
BT1 Nuclear Explosions
BT2 Explosions

POLAND [01]
DA December 1, 1974
BT1 Developing Countries
BT1 Eastern Europe
BT2 Europe
RT Centrally Planned Economies

Polar Blackout
DA December 1, 1974
USE Polar-Cap Absorption

POLAR-CAP ABSORPTION [01]
DA December 1, 1974
UF *PCA*
UF *Polar Blackout*
BT1 Absorption
BT2 Sorption
RT Polar Regions
RT Radiowave Radiation
RT Solar Particles

POLAR-CAP AURORAE [01]
DA December 1, 1974
BT1 Aurorae
RT Antarctic Regions
RT Arctic Regions
RT Auroral Oval
RT Auroral Zones
RT Ionosphere

POLAR COMPOUNDS
DA December 8, 1980
RT Dipoles
RT Electric Charges
RT Organic Compounds
DEF A compound that exhibits polarity, or local differences in electrical properties, and has a dipole moment associated with one or more of its interatomic valence bonds.

POLAR CUSP [01]
DA March 8, 1978
RT Auroral Oval
RT Earth Magnetosphere
RT Electron Precipitation
RT Ionosphere
RT Proton Precipitation

POLAR GAS PROJECT
DA November 17, 1976
RT Canada
RT Natural Gas
RT Pipelines

POLAR REGIONS [01]
DA December 1, 1974
BT1 Cryosphere
NT1 Antarctic Regions

NT2 Antarctica
NT1 Arctic Regions
RT Boreal Regions
RT Polar-Cap Absorption

Polar Substorms
DA December 1, 1974
USE Magnetic Bays

POLARIMETERS [01]
DA December 1, 1974
NT1 Ellipsometers
RT Polarimetry
RT Polarization
RT Radiation Detectors

POLARIMETRY
DA February 21, 1986
RT Polarimeters
RT Polarization

POLARIZABILITY [01]
DA December 1, 1974
BT1 Electrical Properties
BT2 Physical Properties
RT Electric Dipole Moments
RT Polarization
DEF Induced dipole moment to external electric field ratio.

POLARIZATION [01]
(For the process and condition in classical physics only; see also SPIN ORIENTATION.)
DA December 1, 1974
RT Depolarization
RT Electrets
RT Faraday Effect
RT Kerr Effect
RT Oriented Nuclei
RT Overhauser Effect
RT Polarimeters
RT Polarimetry
RT Polarizability
RT Stokes Parameters
RT Tagged Photon Method
RT Voigt Effect
RT Wave Forms
RT Wave Propagation

POLARIZATION-ASYMMETRY RATIO [01]
DA December 1, 1974
RT Scattering
RT Spin Orientation
RT Targets

POLARIZED BEAMS [01]
DA December 1, 1974
BT1 Beams
RT Spin Orientation

Polarized Nuclei
(Prior to December 1984 this was a valid descriptor.)
DA February 6, 1975
USE Oriented Nuclei

POLARIZED PRODUCTS [01]
(Use only for indexing the products of nuclear reactions or particle interactions.)
DA December 1, 1974
RT Nuclear Reactions
RT Particle Interactions

POLARIZED TARGETS [01]
DA December 1, 1974
BT1 Targets
RT Spin Orientation

POLAROGRAPHY [01]
DA December 1, 1974
RT Electrolysis
RT Quantitative Chemical Analysis

POLARONS [01]
DA December 1, 1974
BT1 Quasi Particles

Policy
DA March 29, 1980
SEE Energy Policy
OR Environmental Policy
OR Foreign Policy
OR Government Policies

POLIO VIRUS [01]
DA December 1, 1974
BT1 Viruses
BT2 Microorganisms
BT2 Parasites
RT Poliomyelitis

POLIOMYELITIS [01]
DA December 1, 1974
BT1 Myelitis
BT2 Nervous System Diseases
BT3 Diseases
BT1 Viral Diseases
BT2 Infectious Diseases
BT3 Diseases
RT Nervous System
RT Polio Virus

Polish Government Maryla Reactor
DA December 1, 1974
USE Maryla Reactor

POLISH ORGANIZATIONS [01]
DA August 4, 1981
BT1 National Organizations
NT1 Panstwowa Agencja Atomistyki

POLISHING [01]
DA December 1, 1974
BT1 Surface Finishing
NT1 Chemical Polishing
NT1 Electropolishing
NT1 Mechanical Polishing
RT Metallography
RT Surface Cleaning

POLITICAL ASPECTS [01]
DA May 9, 1979
BT1 Institutional Factors
RT Constraints
RT Government Policies
RT Legal Aspects
RT Public Policy
RT Socio-Economic Factors
DEF Consideration of components of an enterprise or undertaking affecting or affected by political entities.

POLLEN [01]
DA December 1, 1974
BT1 Gametes
BT2 Germ Cells
RT Flowers
RT Microspores
RT Palynology
RT Reproduction

POLLUCITE [01]
($CsAlSi_2O_6$.)
DA November 8, 1982
BT1 Silicate Minerals
BT2 Minerals
RT Aluminium Silicates
RT Cesium Silicates
RT Sodium Silicates

POLLUTANTS [01]
(Not for radioactive contaminants for which use RADIOACTIVE WASTES or other related terminology.)
DA March 13, 1981
RT Biological Wastes
RT Chemical Effluents
RT Contamination
RT Industrial Wastes
RT Long-Range Transport
RT Municipal Wastes
RT Pesticides
RT Pollution
RT Pollution Sources

POLLUTION [01]
DA December 1, 1974
NT1 Air Pollution
NT2 Indoor Air Pollution
NT1 Land Pollution
NT1 Noise Pollution
NT1 Thermal Pollution
NT1 Transfrontier Pollution
NT1 Water Pollution
RT Aesthetics
RT Body Burden
RT Chemical Effluents
RT Environment
RT Gas Spills
RT Global Aspects
RT Hazardous Materials Spills
RT LCPMPDPW
RT Liming
RT Long-Range Transport
RT Mobile Pollutant Sources
RT Oil Spills
RT Pesticides
RT Point Pollutant Sources
RT Pollutants
RT Pollution Control Equipment
RT Pollution Regulations
RT Stationary Pollutant Sources

Pollution (Thermal)
DA December 1, 1974
USE Thermal Pollution

POLLUTION ABATEMENT [01]
(Use this term for items that involve the prevention of pollutants at the source.)
DA February 14, 1978
NT1 Air Pollution Abatement
NT1 Land Pollution Abatement
NT1 Noise Pollution Abatement
NT1 Water Pollution Abatement
RT Mitigation
RT Prevention of Significant Deterioration

POLLUTION CONTROL [01]
(Use this term for items that involve the removal or management of pollutants after they are formed by a source.)
DA March 4, 1977
BT1 Control
NT1 Air Pollution Control
NT1 Land Pollution Control
NT1 Noise Pollution Control
NT1 Oil Pollution Containment
NT1 Water Pollution Control
RT Liming
RT Pollution Control Equipment
RT US Clean Coal Technology Program

POLLUTION CONTROL AGENCIES [01]
DA November 1, 1976
RT Enforcement
RT Organizing
RT Pollution Laws
RT Pollution Regulations

POLLUTION CONTROL EQUIPMENT [01]
DA November 11, 1975
BT1 Equipment
NT1 Acoustic Agglomerators
NT1 Afterburners
NT1 Air Filters
NT1 Baghouses
NT1 Catalytic Converters
NT1 Electrostatic Precipitators
NT1 Exhaust Recirculation Systems
NT1 Inertial Separators
NT2 Cyclone Separators
NT1 Oil Retention Booms
NT1 PCV Systems
NT1 Rotating Disk Removal Systems
NT1 Scrubbers
NT2 Dry Scrubbers
NT1 Skimmers
NT1 Weir Oil Recovery Systems
RT Air Cleaning Systems
RT Air Pollution Control
RT Catalytic Combustors
RT Environmental Engineering
RT Fabric Filters
RT Fluidized-Bed Combustors
RT Granular Bed Filters
RT Noise Pollution Control

RT Off-Gas Systems
RT Pollution
RT Pollution Control
RT Stack Disposal
RT Sulfur Meters
RT Water Pollution Abatement

POLLUTION LAWS [01]
DA December 1, 1974
BT1 Laws
NT1 Clean Air Acts
NT1 Clean Water Acts
NT1 US Superfund
RT Pollution Control Agencies
RT Pollution Regulations

POLLUTION REGULATIONS [01]
(Regulations for nonradioactive pollution only; see also CONTAMINATION REGULATIONS.)
DA December 1, 1974
BT1 Regulations
NT1 Contamination Regulations
NT2 Maximum Acceptable Contamination
NT1 Prevention of Significant Deterioration
RT Clean Air Acts
RT Clean Water Acts
RT Enforcement
RT Federal Test Procedure
RT Pollution
RT Pollution Control Agencies
RT Pollution Laws
RT Transfrontier Pollution
RT US Superfund

POLLUTION SOURCES [01]
DA December 10, 1979
UF *Area Pollution Sources*
NT1 Mobile Pollutant Sources
NT1 Point Pollutant Sources
NT1 Stationary Pollutant Sources
RT Carbon Sources
RT Pollutants

Poloidal Divertor Experiment
DA November 28, 1977
USE PDX Devices

Poloidal Divertors
(Prior to July 1985, this was a valid descriptor and older material is so indexed.)
DA September 26, 1979
USE Poloidal Field Divertors

POLOIDAL FIELD DIVERTORS [01]
DA August 4, 1981
UF *Poloidal Divertors*
BT1 Divertors
RT PBX Devices
RT PDX Devices

POLONIUM [01]
DA December 1, 1974
BT1 Metals
BT2 Elements
RT Natural Radioactivity

POLONIUM 192 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Polonium Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

POLONIUM 193 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Polonium Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

POLONIUM 194 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Polonium Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

POLONIUM 195 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Polonium Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

POLONIUM 196 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Polonium Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

POLONIUM 197 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Polonium Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

POLONIUM 198 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Polonium Isotopes

POLONIUM 199 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Polonium Isotopes

POLONIUM 200 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Polonium Isotopes

POLONIUM 201 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Polonium Isotopes

POLONIUM 202 [01]
DA December 1, 1974

BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Polonium Isotopes

POLONIUM 203 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Polonium Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

POLONIUM 204 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Polonium Isotopes

POLONIUM 205 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Polonium Isotopes

POLONIUM 206 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Polonium Isotopes

POLONIUM 207 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Polonium Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

POLONIUM 208 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Polonium Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

POLONIUM 208 TARGET [01]
DA March 24, 1983
BT1 Targets

POLONIUM 209 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Polonium Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

POLONIUM 210 [01]
DA December 1, 1974
UF *Radium F*
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Nanosec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Polonium Isotopes

POLONIUM 210 TARGET [01]
DA July 9, 1976
BT1 Targets

POLONIUM 211 [01]
DA December 1, 1974
UF *Actinium C/*
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Polonium Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

POLONIUM 212 [01]
DA December 1, 1974
UF *Thorium C/*
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Nanosec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Polonium Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

POLONIUM 213 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Microsec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Polonium Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

POLONIUM 214 [01]
DA December 1, 1974
UF *Radium C/*
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei

BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Microsec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Polonium Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

POLONIUM 215 [01]
DA December 1, 1974
UF *Actinium A*
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Polonium Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

POLONIUM 216 [01]
DA December 1, 1974
UF *Thorium A*
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Polonium Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

POLONIUM 217 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Polonium Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

POLONIUM 218 [01]
DA December 1, 1974
UF *Radium A*
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Polonium Isotopes

POLONIUM 219 [01]
DA December 1, 1974
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Polonium Isotopes

POLONIUM 220 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Polonium Isotopes

POLONIUM ADDITIONS [01]
DA December 1, 1974
BT1 Polonium Alloys
BT2 Alloys

POLONIUM ALLOYS [01]
DA December 1, 1974
BT1 Alloys
NT1 Polonium Additions
NT1 Polonium Base Alloys

POLONIUM BASE ALLOYS [01]
DA December 1, 1974
BT1 Polonium Alloys
BT2 Alloys

POLONIUM BROMIDES [01]
DA December 1, 1974
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Polonium Compounds

POLONIUM CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Polonium Compounds

POLONIUM COMPLEXES [01]
DA December 1, 1974
BT1 Complexes

POLONIUM COMPOUNDS [01]
DA December 1, 1974
NT1 Polonium Bromides
NT1 Polonium Chlorides
NT1 Polonium Fluorides
NT1 Polonium Hydroxides
NT1 Polonium Iodides
NT1 Polonium Nitrates
NT1 Polonium Oxides
NT1 Polonium Sulfides

POLONIUM FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Polonium Compounds

POLONIUM HYDROXIDES [01]
DA December 1, 1974
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds
BT1 Polonium Compounds

POLONIUM IODIDES [01]
DA December 1, 1974
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds
BT1 Polonium Compounds

POLONIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

POLONIUM ISOTOPES [01]
DA December 1, 1974
NT1 Polonium 192
NT1 Polonium 193
NT1 Polonium 194
NT1 Polonium 195
NT1 Polonium 196
NT1 Polonium 197
NT1 Polonium 198
NT1 Polonium 199
NT1 Polonium 200
NT1 Polonium 201
NT1 Polonium 202
NT1 Polonium 203
NT1 Polonium 204
NT1 Polonium 205
NT1 Polonium 206
NT1 Polonium 207
NT1 Polonium 208
NT1 Polonium 209
NT1 Polonium 210
NT1 Polonium 211
NT1 Polonium 212
NT1 Polonium 213
NT1 Polonium 214
NT1 Polonium 215
NT1 Polonium 216
NT1 Polonium 217
NT1 Polonium 218
NT1 Polonium 219
NT1 Polonium 220

POLONIUM NITRATES [01]
DA December 1, 1974
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds
BT1 Polonium Compounds

POLONIUM OXIDES [01]
DA December 1, 1974
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds
BT1 Polonium Compounds

POLONIUM SULFIDES [01]
DA December 1, 1974
BT1 Polonium Compounds
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds

Poly(Isobutylene Oxide)
DA December 8, 1980
USE Epoxides
AND Organic Polymers

Poly(Vinylidene Fluoride)
DA November 25, 1980
USE Fluorinated Aliphatic Hydrocarbons
AND Polyvinyls

POLYACETALS [01]
DA December 1, 1974
BT1 Organic Polymers
BT2 Organic Compounds
BT2 Polymers
NT1 Formvar
NT1 Polyoxymethylenes
RT Acetals
RT Cellulose
RT Chitin
RT Inulin
RT Lignin
RT Starch

POLYACETYLENES
DA July 18, 1981
BT1 Polyenes
BT2 Hydrocarbons
BT3 Organic Compounds

POLYACRYLATES [01]
DA December 1, 1974
UF *Acrylic Polymers*
BT1 Esters
BT2 Organic Compounds
BT1 Polyvinyls
BT2 Organic Polymers
BT3 Organic Compounds
BT3 Polymers
NT1 Lucite
NT1 Perspex
NT1 Plexiglas
NT1 PMMA
RT Methacrylic Acid

Polyacrylonitrile
DA December 8, 1980
USE Nitriles
AND Organic Polymers

POLYAMIDES [01]
DA December 1, 1974
UF *Dow Pusher 700*
BT1 Organic Polymers
BT2 Organic Compounds
BT2 Polymers
NT1 Nylon
NT1 Polyurethanes
NT2 Halthane
RT Albumins
RT Amides
RT Proteins

POLYATOMIC MOLECULES
DA October 28, 1975
BT1 Molecules
DEF A chemical molecule with three or more atoms.

POLYCARBONATES [01]
DA December 1, 1974
BT1 Carbonates
BT2 Carbon Compounds
BT2 Oxygen Compounds

→**POLYCHLORINATED BIPHENYLS [01]**
DA October 7, 1992
UF *PCB*
BT1 Chlorinated Aromatic Hydrocarbons
BT2 Halogenated Aromatic Hydrocarbons
BT3 Aromatics
BT4 Organic Compounds
BT3 Organic Halogen Compounds
BT4 Organic Compounds
BT2 Organic Chlorine Compounds
BT3 Organic Halogen Compounds
BT4 Organic Compounds
RT Toxic Materials

POLYCRYSTALS [01]
DA December 1, 1974
BT1 Crystals
NT1 Bicrystals

POLYCYCLIC AROMATIC AMINES
DA November 23, 1983
BT1 Amines
BT2 Organic Compounds
RT Acetylaminofluorenes
RT Aniline
RT Polycyclic Aromatic Hydrocarbons

POLYCYCLIC AROMATIC HYDROCARBONS [01]
DA August 24, 1976
UF *PAH*
UF *PNA*
UF *Polynuclear Aromatic Hydrocarbons*
BT1 Aromatics
BT2 Organic Compounds
BT1 Hydrocarbons
BT2 Organic Compounds
NT1 3-Methylcholanthrene
RT Azaarenes
RT Carcinogens
RT Mutagens
RT Polycyclic Aromatic Amines
RT Polycyclic Nitro Compounds
RT Polycyclic Sulfur Heterocycles

POLYCYCLIC NITRO COMPOUNDS
DA November 23, 1983
BT1 Nitro Compounds
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
RT Polycyclic Aromatic Hydrocarbons

Polycyclic Nitrogen Heterocycles
DA November 23, 1983
USE Azaarenes

POLYCYCLIC SULFUR HETEROCYCLES
DA November 23, 1983
UF *Thiophenes*
BT1 Heterocyclic Compounds
BT2 Organic Compounds
BT1 Organic Sulfur Compounds
BT2 Organic Compounds
RT Polycyclic Aromatic Hydrocarbons
RT Thionaphthenes
RT Thiophene

POLYCYTHEMIA [01]
DA December 1, 1974
BT1 Hemic Diseases
BT2 Diseases
RT Bone Marrow
RT Myeloid Leukemia

POLYENES [01]
DA December 1, 1974
BT1 Hydrocarbons
BT2 Organic Compounds
NT1 Dienes
NT2 Allene
NT2 Butadiene
NT2 Cyclopentadiene
NT2 Ferrocene
NT2 Isoprene
NT2 Pentadienes
NT1 Polyacetylenes
NT1 Squalene
RT Alkenes

POLYESTERS [01]
DA December 1, 1974
UF *Polyethylene Terphthalate*
BT1 Esters
BT2 Organic Compounds
BT1 Organic Polymers
BT2 Organic Compounds
BT2 Polymers
NT1 Dacron
NT1 Homalite
NT1 Laminac
NT1 Mylar

Polyethers
DA December 1, 1974
USE Polyethylene Glycols

POLYETHYLENE GLYCOLS [01]
DA December 1, 1974
UF *Polyethers*
UF *Polyethylene Oxides*
BT1 Glycols
BT2 Alcohols
BT3 Hydroxy Compounds
BT4 Organic Compounds
BT1 Organic Polymers
BT2 Organic Compounds
BT2 Polymers
NT1 Carbowax
NT1 Pluronics
RT Ethers

Polyethylene Oxides
DA May 13, 1976
USE Polyethylene Glycols

Polyethylene Terphthalate
DA April 29, 1975
USE Polyesters

POLYETHYLENES [01]
DA December 1, 1974
UF *Ethylene Polymers*
UF *Polythene*
BT1 Polyolefins
BT2 Organic Polymers
BT3 Organic Compounds
BT3 Polymers
NT1 KEL-F
NT1 Marlex
NT1 Polytetrafluoroethylene
NT2 Teflon
RT Glazing Materials

POLYHALITE [01]
DA December 14, 1981
BT1 Sulfate Minerals
BT2 Minerals
RT Calcium Sulfates
RT Magnesium Sulfates
RT Potassium Sulfates
DEF A mineral $K_2MgCa_2(SO_4)_4.2H_2O$.

Polyhydroxyaromatics
DA December 1, 1974
USE Polyphenols

POLYISOPRENE [01]
DA December 1, 1974
BT1 Elastomers
BT2 Polymers
BT1 Organic Polymers
BT2 Organic Compounds
BT2 Polymers
RT Isoprene

Polymer Flooding
DA June 7, 1976
SEE Microemulsion Flooding
OR Waterflooding

Polymer-Insulator-Semiconductor Solar Cells
DA July 18, 1981
USE PIS Solar Cells

Polymer-Semiconductor Solar Cells
DA July 18, 1981
USE PS Solar Cells

POLYMERASES [01]
DA December 1, 1974
BT1 Nucleotidyltransferases
BT2 Phosphorus-Group Transferases
BT3 Transferases
BT4 Enzymes
BT5 Proteins
BT6 Organic Compounds
NT1 DNA Polymerases
NT1 RNA Polymerases

POLYMERIZATION [01]
DA December 1, 1974
UF+ *Radiation Hardening (Chemical)*
UF+ *Radiopolymerization*
BT1 Chemical Reactions
NT1 Copolymerization
NT1 Cross-Linking
NT1 Dimerization
NT1 Telomerization
RT Curing
RT Depolymerization
RT Molecular Weight
RT Monomers
RT Plasticizers

POLYMERS [01]
DA December 1, 1974
NT1 Elastomers
NT2 Neoprene
NT2 Polyisoprene
NT2 Rubbers
NT3 Buna
NT3 Latex
NT3 Natural Rubber
NT3 Silastic
NT3 Viton
NT1 Ethylene Propylene Diene Polymers
NT1 Hydrophylic Polymers
NT1 Inorganic Polymers
* **NT1** Organic Polymers
NT1 Silicones
NT2 DC Resins
NT2 Silastic
RT Colorimetric Dosemeters
RT Dielectric Track Detectors
RT Dimers
RT Monomers
RT Plugging Agents
RT Urea-Formaldehyde Foams

POLYMETALLIC ORES [01]
DA December 1, 1974
BT1 Ores

Polymethylmethacrylates
DA March 4, 1980
USE PMMA

POLYNEUTRONS [01]
DA March 4, 1977
BT1 Neutrons
BT2 Nucleons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
NT1 Dineutrons
NT1 Tetraneutrons
NT1 Trineutrons
DEF Particle-stable many-body system composed of neutrons.

POLYNOMIALS [01]
DA December 1, 1974
UF *Tschebyscheff Approximation*
BT1 Functions
NT1 Hermite Polynomials
NT1 Laguerre Polynomials
NT1 Legendre Polynomials
RT Mathematics
RT Newton Method
RT Spline Functions

Polynuclear Aromatic Hydrocarbons
DA August 24, 1976
USE Polycyclic Aromatic Hydrocarbons

POLYOLEFINS [01]
DA December 1, 1974
BT1 Organic Polymers
BT2 Organic Compounds
BT2 Polymers
NT1 Polyethylenes
NT2 KEL-F
NT2 Marlex
NT2 Polytetrafluoroethylene
NT3 Teflon
NT1 Polypropylene
NT1 Polystyrene
NT1 Polystyrene-DVB

POLYOMA VIRUS [01]
DA December 1, 1974
BT1 Oncogenic Viruses
BT2 Viruses
BT3 Microorganisms
BT3 Parasites

POLYOXYMETHYLENES [01]
DA December 1, 1974
BT1 Polyacetals
BT2 Organic Polymers
BT3 Organic Compounds
BT3 Polymers
RT Formaldehyde

POLYPEPTIDES [01]
DA December 1, 1974
BT1 Peptides
BT2 Proteins
BT3 Organic Compounds
NT1 Calcitonin
NT1 Enkephalins
NT1 Gastrin
NT1 Glucagon
NT1 Glutathione
NT1 Kinins
NT2 Bradykinin
RT Somatostatin

POLYPHENOLS [01]
DA December 1, 1974
UF *Dihydroxyaromatics*
UF *Polyhydroxyaromatics*
UF *Trihydroxyaromatics*
BT1 Phenols
BT2 Aromatics
BT3 Organic Compounds
BT2 Hydroxy Compounds
BT3 Organic Compounds
NT1 Arsenazo
NT1 Aurin
NT1 Bromosulfophthalein
NT1 Catecholamines
NT1 Curcumin
NT1 Dopamine
NT1 Fluorescein
NT2 Erythrosine
NT1 Hematoxylin
NT1 Morin
NT1 Pyridylazoresorcinol
NT1 Pyrocatechol
NT1 Pyrogallol
NT1 Quercetin
NT1 Resorcinol
NT1 Stilbestrol
NT1 Tannic Acid
NT1 Tiron

POLYPHENYLS [01]
DA December 1, 1974
BT1 Aromatics
BT2 Organic Compounds
BT1 Hydrocarbons
BT2 Organic Compounds
NT1 Santowax
NT1 Terphenyls
NT2 Terphenyl-Meta
NT2 Terphenyl-Ortho
NT2 Terphenyl-Para
RT Organic Coolants
RT Organic Moderators
RT Organic Polymers

POLYPLOIDY [01]
DA December 1, 1974
UF *Tetraploidy*
BT1 Ploidy
RT Colchicine
RT Genome Mutations

POLYPORUS VERSICOLOR [01]
DA April 24, 1987
BT1 Fungi
BT2 Plants

POLYPROPYLENE [01]
DA December 1, 1974
BT1 Polyolefins
BT2 Organic Polymers
BT3 Organic Compounds
BT3 Polymers
RT Propylene

POLYSACCHARIDES [01]
DA December 1, 1974
BT1 Saccharides
BT2 Carbohydrates
BT3 Organic Compounds
NT1 Agar
NT1 Alginic Acid
NT1 Cellophane
NT1 Cellulose
NT1 Dextran
NT1 Dextrin
NT1 Glycogen
NT1 Gum Acacia
NT1 Hemicellulose
NT2 Xylans
NT1 Inulin
NT1 Lignin
NT1 Lipopolysaccharides
NT1 Mucopolysaccharides
NT2 Chitin
NT2 Chondroitin
NT2 Heparin
NT2 Hyaluronic Acid
NT1 Mucoproteins
NT2 Haptoglobins
NT2 Intrinsic Factor
NT2 Phytohemagglutinin
NT1 Nitrocellulose
NT1 Pectins
NT1 Rayon
NT1 Starch
NT1 Viscose
NT1 Xanthum Gum
RT Endotoxins
RT Lysozyme
RT Pyrogens
RT Zymosan

POLYSTYRENE [01]
DA December 1, 1974
UF *Styrene Polymers*
BT1 Plastics
BT2 Petrochemicals
BT3 Petroleum Products
BT2 Synthetic Materials
BT3 Materials
BT1 Polyolefins
BT2 Organic Polymers
BT3 Organic Compounds
BT3 Polymers
BT1 Polyvinyls
BT2 Organic Polymers
BT3 Organic Compounds
BT3 Polymers
RT Styrene

POLYSTYRENE-DVB [01]
DA December 1, 1974
UF *Styrene-Divinylbenzene Copolymer*
BT1 Organic Ion Exchangers
BT2 Ion Exchange Materials
BT3 Materials
BT1 Polyolefins
BT2 Organic Polymers
BT3 Organic Compounds
BT3 Polymers

Polysulfides
DA December 1, 1974
USE Sulfides

POLYTETRAFLUOROETHYLENE
DA May 3, 1978
UF *PTFE*
BT1 Fluorinated Aliphatic Hydrocarbons
BT2 Halogenated Aliphatic Hydrocarbons
BT3 Organic Halogen Compounds
BT4 Organic Compounds
BT2 Organic Fluorine Compounds
BT3 Organic Halogen Compounds
BT4 Organic Compounds
BT1 Polyethylenes
BT2 Polyolefins
BT3 Organic Polymers
BT4 Organic Compounds
BT4 Polymers
NT1 Teflon

Polytetraoxane
DA December 8, 1980
USE Heterocyclic Oxygen Compounds
AND Organic Polymers

Polythene
DA December 1, 1974
USE Polyethylenes

Polythionates
DA December 1, 1974
USE Oxygen Compounds
AND Sulfur Compounds

Polythionic Acids
DA December 1, 1974
USE Inorganic Acids
AND Oxygen Compounds
AND Sulfur Compounds

POLYURETHANES [01]
DA December 1, 1974
BT1 Plastics
BT2 Petrochemicals
BT3 Petroleum Products
BT2 Synthetic Materials
BT3 Materials
BT1 Polyamides
BT2 Organic Polymers
BT3 Organic Compounds
BT3 Polymers
NT1 Halthane
RT Urethane

Polyvinyl Alcohol
DA December 1, 1974
USE PVA

Polyvinyl Chloride
DA December 1, 1974
USE PVC

Polyvinylpyrrolidone
DA December 1, 1974
USE PVP

POLYVINYLS [01]
DA December 1, 1974
UF *Vinoflex*
UF+ *Poly(Vinylidene Fluoride)*
BT1 Organic Polymers
BT2 Organic Compounds
BT2 Polymers
NT1 Polyacrylates
NT2 Lucite
NT2 Perspex
NT2 Plexiglas
NT2 PMMA
NT1 Polystyrene
NT1 PVA
NT1 PVC
NT1 PVP
NT1 Tedlar
RT Glazing Materials

POMERANCHUK PARTICLES [01]
DA December 1, 1974
UF *Pomerons*
BT1 Mesons
BT2 Bosons
BT2 Hadrons
BT3 Elementary Particles
BT1 Postulated Particles
BT2 Elementary Particles
RT Morrison Rule
RT Regge Poles

POMERANCHUK POLES [01]
DA December 1, 1974
RT Regge Poles

POMERANCHUK THEOREM [01]
DA December 1, 1974
RT Antiparticle Beams
RT Interactions
RT Particle Beams
RT Total Cross Sections

Pomerons
DA December 1, 1974
USE Pomeranchuk Particles

PONDEROMOTIVE FORCE [01]
DA May 11, 1989
RT Charged Particles
RT Coulomb Field
RT Electromagnetic Fields
RT Lorentz Force

PONDS [01]
DA February 5, 1975
UF *Pools*
BT1 Surface Waters
NT1 Cooling Ponds
NT1 Settling Ponds
NT1 Solar Ponds
NT2 Roof Ponds
RT Lakes

Ponds (Cooling)
DA February 20, 1975
USE Cooling Ponds

POOL BOILING [01]
DA December 1, 1974
BT1 Boiling
BT2 Phase Transformations

Pool Critical Assembly ORNL
DA December 1, 1974
USE ORNL-PCA Reactor

Pool Event
DA June 21, 1977
USE Anvil Project

Pool Test Reactor Chalk River
DA December 1, 1974
USE PTR Reactor

POOL TYPE REACTORS [01]
DA December 1, 1974
UF *Swimming Pool Reactors*
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors
NT1 Agata Reactor
NT1 Apsara Reactor
NT1 ARMF-1 Reactor
NT1 ASTRA Reactor
NT1 ATRC Reactor
NT1 Avogadro RS-1 Reactor
NT1 BARN Reactor
NT1 BAWTR Reactor
NT1 BER-2 Reactor
NT1 BRR Reactor
NT1 BSR-1 Reactor
NT1 BSR-2 Reactor
NT1 Cabri Reactor
NT1 Consort-2 Reactor
NT1 CP-6 Reactor
NT1 Crocus Reactor
NT1 Democritus Reactor
NT1 DR-2 Reactor
NT1 ETRC Reactor
NT1 FMRB Reactor
NT1 FNR Reactor
NT1 FRG-1 Reactor
NT1 FRG-2 Reactor
NT1 FRJ-1 Reactor
NT1 FRM Reactor
NT1 FRN Reactor
NT1 GTR Reactor
NT1 Gulf TRIGA-Mk-3 Reactor
NT1 Herald Reactor
NT1 HOR Reactor
NT1 Horace Reactor
NT1 HTR Reactor
NT1 IAN-R1 Reactor
NT1 IEAR-1 Reactor
NT1 IRL Reactor
NT1 IRR-1 Reactor
NT1 IRT Reactor
NT1 IRT-2000 Djakarta Reactor
NT1 IRT-2000 Moscow Reactor
NT1 IRT-C Reactor
NT1 IRT-F Reactor
NT1 IRT-Sofia Reactor
NT1 Isis Reactor
NT1 IVV-7 Reactor
NT1 JEN Reactor
NT1 JEN-1 Reactor
NT1 JEN-2 Reactor
NT1 JRR-3M Reactor
NT1 JRR-4 Reactor
NT1 KMR Reactor
NT1 KUR Reactor
NT1 La Reina Rech-1 Reactor
NT1 Lido Reactor
NT1 Lo Aguirre Rech-2 Reactor
NT1 LPR Reactor
NT1 LPTR Reactor
NT1 LTIR Reactor
NT1 Maria Reactor
NT1 Maryla Reactor
NT1 Melusine-1 Reactor
NT1 Merlin Reactor
NT1 Minerve Reactor
NT1 MNR Reactor
NT1 NSCR Reactor
NT1 OSUR Reactor
NT1 PARR Reactor
NT1 Phebus Reactor
NT1 PRPR Reactor
NT1 PRR-1 Reactor
NT1 PSTR Reactor
NT1 PTR Reactor
NT1 Pulstar-Buffalo Reactor
NT1 Pulstar-Raleigh Reactor
NT1 R2-0 Reactor
NT1 RANA Reactor
NT1 RINSC Reactor
NT1 RITMO Reactor
NT1 RP-10 Reactor
NT1 RTS-1 Reactor
NT1 RV-1 Reactor
NT1 Saphir Reactor
NT1 Siloe Reactor
NT1 Siloette Reactor
* **NT1** Slowpoke Type Reactors
NT1 SPERT-4 Reactor
NT1 STEK Reactor
NT1 STIR Reactor
NT1 Swierk R-2 Reactor
NT1 Thetis Reactor
NT1 THOR Reactor
NT1 Toshiba Reactor
NT1 TR-1 Reactor
NT1 TR-2 Reactor
NT1 Triton Reactor
NT1 TRR-1 Reactor
NT1 TZ1 Reactor
NT1 TZ2 Reactor
NT1 UKNR Reactor
NT1 UMNE-1 Reactor
NT1 UMRR Reactor
NT1 UTRR Reactor
NT1 UVAR Reactor
NT1 UWNR Reactor
NT1 VR-1 Reactor
NT1 WPIR Reactor
NT1 WSUR Reactor

Pools
DA February 6, 1975
USE Ponds

Poor People
DA April 5, 1978
USE Low Income Groups

POP [01]
DA December 1, 1974
UF *Hydroxypropiophenone*
BT1 Ketones
BT2 Organic Compounds
BT1 Phenols
BT2 Aromatics
BT3 Organic Compounds
BT2 Hydroxy Compounds
BT3 Organic Compounds

POPAE
(Prior to July 1985, this was a valid descriptor and older material is so indexed.)
DA November 11, 1975
USE POPAE Storage Ring

POPAE STORAGE RING [01]
(Protons on Protons and Electrons storage ring facility at Fermilab.)
DA March 25, 1976
UF *POPAE*
BT1 Storage Rings
RT Fermilab Accelerator

POPLARS [01]
DA December 1, 1974
BT1 Magnoliopsida
BT2 Magnoliophyta
BT3 Plants
BT1 Trees
BT2 Plants
NT1 Aspens
NT1 Cottonwoods

POPOP [01]
DA December 1, 1974
UF *Bis(phenyloxazolyl)benzene*
BT1 Oxazoles
BT2 Azoles
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
BT2 Organic Oxygen Compounds
BT3 Organic Compounds

POPULATION DENSITY [01]
DA December 1, 1974
UF *Density (Population)*
RT Population Dynamics

POPULATION DYNAMICS [01]
DA December 1, 1974
RT Competition
RT Demography
RT Ecological Succession
RT Ecosystems
RT Elderly People
RT Equilibrium
RT Growth
RT Human Populations
RT Migration
RT Population Density
RT Population Relocation
RT Populations
RT Predator-Prey Interactions
RT Reproduction

POPULATION INVERSION [01]
DA December 1, 1974
RT Energy Levels

POPULATION RELOCATION [01]
DA April 28, 1978
RT Accidents
RT Civil Defense
RT Demography
RT Evacuation
RT External Zones
RT Population Dynamics

POPULATIONS [01]
DA December 1, 1974
UF *Colonies*
UF+ *Caste (Insects)*
NT1 Human Populations
NT2 A-Bomb Survivors
NT2 Minority Groups
NT3 American Indians
NT3 Black Americans
NT3 Elderly People
NT3 Handicapped People
NT3 High Income Groups
NT3 Hispanic Americans
NT3 Lapps
NT3 Low Income Groups
NT3 Oriental Americans
NT2 Rural Populations
NT2 Urban Populations
RT Adults
RT Age Groups
RT Biological Extinction
RT Biosphere
RT Communities
RT Ecosystems
RT Population Dynamics
RT Species Diversity

PORCELAIN [01]
DA December 1, 1974
RT Ceramics

PORE PRESSURE [01]
DA April 28, 1983
RT Hydrostatics
RT Interstitial Water
RT Piezometry
RT Sediments
RT Stresses
DEF That part of the total normal stress in a saturated soil caused by the presence of interstitial water.

→**PORE STRUCTURE [01]**
DA August 24, 1993
BT1 Microstructure
RT Porosity

PORINS
DA July 22, 1987
BT1 Membrane Proteins
BT2 Proteins
BT3 Organic Compounds
BT1 Proteins
BT2 Organic Compounds
RT Membrane Transport
DEF Transmembrane proteins which selectively permit small molecules to traverse the cell membranes.

Pork
DA December 1, 1974
USE Meat

POROSIMETERS [01]
DA December 1, 1974
BT1 Measuring Instruments

POROSITY [01]
DA December 1, 1974
UF+ *Collector Properties*
UF+ *Collector Properties (Rocks)*
RT Ceramography
RT Defects
RT Leaks
RT Permeability
RT Pore Structure
RT Porous Materials
RT Sintering

Porosity Reduction
DA January 21, 1983
USE Formation Damage

POROUS MATERIALS [01]
DA September 14, 1976
UF *Materials (Porous)*
BT1 Materials
RT Porosity

PORPHYRA [01]
DA December 1, 1974
BT1 Rhodophycota
BT2 Algae
BT3 Plants

PORPHYRINS [01]
DA December 1, 1974
BT1 Heterocyclic Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT2 Heterocyclic Compounds
BT3 Organic Compounds
BT1 Organic Nitrogen Compounds
BT2 Organic Compounds
NT1 Chlorins
NT1 Chlorophyll
NT1 Etioporphyrins
NT1 Hematoporphyrins
NT1 Heme
NT1 Hemoglobin
NT2 Methemoglobin
NT1 Hemosiderin
NT1 Myoglobin
NT1 Protoporphyrins
RT Peroxidases
RT Pigments

Porpoises
DA June 15, 1981
USE Cetaceans

PORT RADIUM [01]
DA December 1, 1974
BT1 Northwest Territories
BT2 Canada
BT3 Developed Countries
BT3 North America

PORTABLE EQUIPMENT [01]
(To be used only if portability is unusual or is the significant aspect of the equipment.)
DA July 20, 1983
BT1 Equipment
RT Laboratory Equipment
RT Portable Sources

Portable Medium Power Plant 2A
DA December 1, 1974
USE PM-2A Reactor

Portable Medium Power Plant 3A
DA December 1, 1974
USE PM-3A Reactor

PORTABLE SOURCES [01]
DA December 1, 1974
BT1 Radiation Sources
RT Portable Equipment

PORTAL SYSTEM [01]
DA December 1, 1974
BT1 Veins
BT2 Blood Vessels
BT3 Cardiovascular System
BT3 Organs
BT4 Body
RT Intestinal Absorption
RT Intestines
RT Liver

PORTER-THOMAS DISTRIBUTION [01]
DA December 1, 1974
RT Compound Nuclei
RT Level Widths

PORTEVIN-LE CHATELIER EFFECT
DA January 22, 1975
BT1 Deformation
RT Crystals
RT Solids
DEF The continually repeating non-smooth deformation of a specimen when subjected to a uniformly increasing stress.

PORTLAND CEMENT [01]
DA June 30, 1975
BT1 Cements
BT2 Building Materials
BT3 Materials
RT Cement Industry
RT Lime-Soda Sinter Process
RT Spent Shales

PORTMANTEAU EVENT
DA December 16, 1975
BT1 Bedrock Project
BT2 Nuclear Explosions
BT3 Explosions
BT2 Underground Explosions
BT3 Explosions

Ports
DA April 29, 1975
USE Harbors

PORTSMOUTH CENTRIFUGE ENRICHMENT PLANT [01]
DA May 18, 1981
UF *GCEP*
SF *Portsmouth Plant*
BT1 Centrifuge Enrichment Plants
BT2 Isotope Separation Plants
BT3 Industrial Plants
BT3 Nuclear Facilities
RT Enriched Uranium
RT Isotope Separation
RT Ohio

PORTSMOUTH GASEOUS DIFFUSION PLANT [01]
DA December 16, 1975
SF *Portsmouth Plant*
BT1 Gaseous Diffusion Plants
BT2 Isotope Separation Plants
BT3 Industrial Plants
BT3 Nuclear Facilities
BT1 US DOE
BT2 US Organizations
BT3 National Organizations
BT1 US ERDA
BT2 US Organizations
BT3 National Organizations
RT Ohio

Portsmouth Plant
DA May 19, 1976
SEE Portsmouth Centrifuge Enrichment Plant
OR Portsmouth Gaseous Diffusion Plant

PORTUGAL [01]
DA December 1, 1974
BT1 Developing Countries
BT1 Western Europe
BT2 Europe
NT1 Azores Islands
RT OECD

Portuguese JEN Research Reactor
DA December 1, 1974
USE JEN Reactor

Position (Optical)
DA December 1, 1974
USE Coordinates

Position (Radio)
DA December 1, 1974
USE Coordinates

Position Dependence
DA August 7, 1979
USE Space Dependence

Position Indicators
DA December 1, 1974
USE Displacement Gages

POSITION OPERATORS [01]
DA December 1, 1974
BT1 Quantum Operators
BT2 Mathematical Operators
RT Coordinates

POSITION SENSITIVE DETECTORS [01]
DA December 1, 1974
BT1 Radiation Detectors
BT2 Measuring Instruments
RT Counting Techniques

POSITIONING [01]
DA March 8, 1977
RT Alignment
RT Emplacement
RT Offshore Platforms
RT Pipelines
RT Ships
RT Stowage
RT Thrusters

POSITIVE COLUMN [01]
DA December 1, 1974
RT Electric Discharges

Positive Crankcase Ventilation Systems
DA March 5, 1979
USE PCV Systems

POSITIVE EXCESS [01]
DA December 1, 1974
RT Cosmic Radiation
RT Electric Charges

Positive Ions
DA December 1, 1974
USE Cations

POSITRON-ATOM COLLISIONS [01]
DA December 1, 1974
BT1 Atom Collisions
BT2 Collisions
BT1 Positron Collisions
BT2 Collisions

POSITRON BEAMS [01]
DA December 1, 1974
UF *Beta Beams (Positrons)*
BT1 Lepton Beams
BT2 Particle Beams
BT3 Beams
RT Positrons

POSITRON CAMERAS [01]
DA December 1, 1974
BT1 Gamma Cameras
BT2 Cameras
RT Coincidence Methods
RT Emission Computed Tomography
RT Positron Computed Tomography
RT Positron Detection
RT Radioisotope Scanners
DEF Coincidence gamma cameras for positron annihilation imaging.

POSITRON CHANNELING [01]
DA December 1, 1974
BT1 Channeling

POSITRON COLLISIONS [01]
DA December 1, 1974
BT1 Collisions
NT1 Electron-Positron Collisions
NT1 Photon-Positron Collisions
NT1 Positron-Atom Collisions
NT1 Positron-Ion Collisions
NT1 Positron-Molecule Collisions
NT1 Positron-Positron Collisions

POSITRON COMPUTED TOMOGRAPHY [01]
DA May 7, 1980
UF *PETT*
BT1 Emission Computed Tomography
BT2 Computerized Tomography
BT3 Tomography
BT4 Diagnostic Techniques
RT Positron Cameras
RT Radioisotope Scanning

Positron Decay
DA December 1, 1974
USE Beta-Plus Decay

POSITRON DETECTION [01]
DA April 11, 1979
BT1 Charged Particle Detection
BT2 Radiation Detection
BT3 Detection
RT Beta Detection
RT Electron Detection
RT Positron Cameras

Positron-Electron-Proton Storage Ring
DA December 1, 1974
USE PEP Storage Rings

POSITRON-ION COLLISIONS [01]
DA December 1, 1974
BT1 Ion Collisions
BT2 Collisions
BT1 Positron Collisions
BT2 Collisions

POSITRON-MOLECULE COLLISIONS [01]
DA December 1, 1974
BT1 Molecule Collisions
BT2 Collisions
BT1 Positron Collisions
BT2 Collisions

POSITRON-POSITRON COLLISIONS [01]
DA September 15, 1989
BT1 Positron Collisions
BT2 Collisions

POSITRON-POSITRON INTERACTIONS [01]
DA May 6, 1980
BT1 Lepton-Lepton Interactions
BT2 Particle Interactions
BT3 Interactions

POSITRON REACTIONS [01]
DA November 10, 1977
BT1 Lepton Reactions
BT2 Nuclear Reactions

POSITRON SOURCES [01]
DA October 28, 1975
BT1 Particle Sources
BT2 Radiation Sources

POSITRONIUM [01]
DA December 1, 1974
RT Atoms
RT Electrons
RT Muonium
RT Positronium Chemistry
RT Positronium Compounds
RT Positrons
RT Protonium

POSITRONIUM CHEMISTRY
DA December 16, 1975
RT Chemistry
RT Positronium
RT Radiation Chemistry

POSITRONIUM COMPOUNDS [01]
DA May 7, 1977
RT Positronium
DEF Atom/positron systems of type exemplified by $[X^-;e^+]$.

POSITRONS [01]
DA December 1, 1974
BT1 Antileptons
BT2 Antiparticles
BT3 Antimatter
BT4 Matter
BT3 Elementary Particles
BT2 Leptons
BT3 Elementary Particles
BT3 Fermions
NT1 Cosmic Positrons
RT Beta Particles
RT Electron Pairs
RT Electrons
RT Positron Beams
RT Positronium

POST-IRRADIATION EXAMINATION [01]
DA April 17, 1981
RT Ceramography
RT Chemical Analysis
RT Destructive Testing
RT Electron Microprobe Analysis
RT Fuel Elements
RT Inspection
RT Performance Testing
RT Spectroscopy

POST-IRRADIATION THERAPY [01]
DA December 1, 1974
BT1 Therapy
RT Biological Recovery

POST-TRANSLATION MODIFICATION [01]
DA April 24, 1987
RT Cell Constituents
RT Glucoproteins
RT Golgi Complexes
RT Membrane Transport
RT Messenger-RNA
RT Phosphoproteins
RT Transcription
DEF Chemical modification of proteins after translation of the messenger RNA but prior to their becoming biologically active.

POSTAL SERVICES
DA August 12, 1980
RT Delivery
RT Vehicles

POSTULATED PARTICLES [01]
DA December 1, 1974
BT1 Elementary Particles
NT1 Dyons
NT1 Gluons
NT1 Goldstone Bosons
NT2 Axions
NT1 Grace Particles
NT1 Gravitons
NT1 Heavy Leptons
NT2 Heavy Neutral Muons
NT2 Tau Neutrinos
NT2 Tau Particles
NT1 Higgs Bosons
NT1 Magnetic Monopoles
NT1 Partons
NT1 Pomeranchuk Particles
NT1 Preons
NT1 Quarks
NT1 Sparticles
NT1 Spurions
NT1 Tachyons
NT1 Taste Particles
NT1 Top Particles
NT1 Urbaryons

Potable Water
DA February 11, 1980
USE Drinking Water

POTASSIUM [01]
DA December 1, 1974
BT1 Alkali Metals
BT2 Metals
BT3 Elements

POTASSIUM 35 [01]
DA February 19, 1975
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Potassium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes

POTASSIUM 36 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Potassium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes

POTASSIUM 37 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Potassium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

POTASSIUM 38 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Potassium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

POTASSIUM 39 [01]
DA December 1, 1974
BT1 Light Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Potassium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

POTASSIUM 39 BEAMS [01]
DA September 15, 1976
BT1 Ion Beams
BT2 Beams

POTASSIUM 39 TARGET [01]
DA July 9, 1976
BT1 Targets

POTASSIUM 40 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Nanosec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Potassium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
RT Natural Radioactivity

POTASSIUM 40 TARGET [01]
DA July 9, 1976
BT1 Targets

POTASSIUM 41 [01]
DA December 1, 1974
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Potassium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Stable Isotopes
BT2 Isotopes
RT Potassium 41 Beams

POTASSIUM 41 BEAMS [01]
DA August 24, 1976
BT1 Ion Beams
BT2 Beams
RT Potassium 41

POTASSIUM 41 TARGET [01]
DA July 9, 1976
BT1 Targets

POTASSIUM 42 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Potassium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes

POTASSIUM 43 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Potassium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes

POTASSIUM 44 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Potassium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes

POTASSIUM 45 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Potassium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes

POTASSIUM 46 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Potassium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes

POTASSIUM 47 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Potassium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

POTASSIUM 48 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Potassium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

POTASSIUM 49 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Potassium Isotopes

BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

POTASSIUM 50 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Potassium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes

POTASSIUM 51 [01]
DA January 27, 1981
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Potassium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes

POTASSIUM 52 [01]
DA May 12, 1982
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Potassium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes

POTASSIUM 53 [01]
DA February 10, 1984
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Potassium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes

POTASSIUM 54 [01]
DA February 10, 1984
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Potassium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes

POTASSIUM ADDITIONS [01]
DA December 1, 1974
BT1 Potassium Alloys
BT2 Alloys

POTASSIUM ALLOYS [01]
DA December 1, 1974
BT1 Alloys
NT1 Potassium Additions
NT1 Potassium Base Alloys

POTASSIUM BASE ALLOYS [01]
DA December 1, 1974
BT1 Potassium Alloys
BT2 Alloys

POTASSIUM BORIDES [01]
DA December 1, 1974
BT1 Borides
BT2 Boron Compounds
BT1 Potassium Compounds
BT2 Alkali Metal Compounds

POTASSIUM BROMIDES [01]
DA December 1, 1974
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Potassium Compounds
BT2 Alkali Metal Compounds

POTASSIUM CARBIDES [01]
DA December 1, 1974
BT1 Carbides
BT2 Carbon Compounds
BT1 Potassium Compounds
BT2 Alkali Metal Compounds

POTASSIUM CARBONATES [01]
DA December 1, 1974
BT1 Carbonates
BT2 Carbon Compounds
BT2 Oxygen Compounds
BT1 Potassium Compounds
BT2 Alkali Metal Compounds

POTASSIUM CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Potassium Compounds
BT2 Alkali Metal Compounds
RT Carnallite
RT Halide Minerals

POTASSIUM COMPLEXES [01]
DA December 1, 1974
BT1 Alkali Metal Complexes
BT2 Complexes

POTASSIUM COMPOUNDS [01]
DA December 1, 1974
BT1 Alkali Metal Compounds
NT1 Potassium Borides
NT1 Potassium Bromides
NT1 Potassium Carbides
NT1 Potassium Carbonates
NT1 Potassium Chlorides
NT1 Potassium Fluorides
NT1 Potassium Hydrides
NT1 Potassium Hydroxides
NT1 Potassium Iodides
NT1 Potassium Nitrates
NT1 Potassium Nitrides
NT1 Potassium Oxides
NT2 Compreignacite
NT1 Potassium Perchlorates
NT1 Potassium Permanganates
NT1 Potassium Phosphates
NT1 Potassium Phosphides
NT1 Potassium Selenides
NT1 Potassium Silicates
NT2 Orthoclase
NT1 Potassium Silicides
NT1 Potassium Sulfates
NT2 Alunite
NT1 Potassium Sulfides
NT1 Potassium Tellurides
NT1 Potassium Tungstates
NT1 Potassium Uranates
NT1 Potassium Vanadates
NT1 Rochelle Salt

POTASSIUM COOLED REACTORS [01]
DA December 1, 1974
BT1 Liquid Metal Cooled Reactors
BT2 Reactors
NT1 EBR-1 Reactor
NT1 SER Reactor
NT1 Snap 4 Reactor
NT1 SNAP 10 Reactor
NT2 S10FS-1 Reactor
NT2 S10FS-3 Reactor
NT2 S10FS-4 Reactor
NT1 SNAP-TSF Reactor
NT1 SNAPTRAN Reactors
RT NaK Cooled Reactors

POTASSIUM FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Potassium Compounds
BT2 Alkali Metal Compounds

POTASSIUM HYDRIDES [01]
DA December 1, 1974
BT1 Hydrides
BT2 Hydrogen Compounds
BT1 Potassium Compounds
BT2 Alkali Metal Compounds

POTASSIUM HYDROXIDES [01]
DA December 1, 1974
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds
BT1 Potassium Compounds
BT2 Alkali Metal Compounds

POTASSIUM IODIDES [01]
DA December 1, 1974
BT1 Inorganic Phosphors
BT2 Phosphors
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds
BT1 Potassium Compounds
BT2 Alkali Metal Compounds
RT Lugol

POTASSIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

POTASSIUM ISOTOPES [01]
DA December 1, 1974
BT1 Alkali Metal Isotopes
BT2 Isotopes
NT1 Potassium 35
NT1 Potassium 36
NT1 Potassium 37
NT1 Potassium 38
NT1 Potassium 39
NT1 Potassium 40
NT1 Potassium 41
NT1 Potassium 42
NT1 Potassium 43
NT1 Potassium 44
NT1 Potassium 45
NT1 Potassium 46
NT1 Potassium 47
NT1 Potassium 48
NT1 Potassium 49
NT1 Potassium 50
NT1 Potassium 51
NT1 Potassium 52
NT1 Potassium 53
NT1 Potassium 54

POTASSIUM NITRATES [01]
DA December 1, 1974
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds
BT1 Potassium Compounds
BT2 Alkali Metal Compounds

POTASSIUM NITRIDES [01]
DA December 1, 1974
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides
BT1 Potassium Compounds
BT2 Alkali Metal Compounds

POTASSIUM OXIDES [01]
DA December 1, 1974
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds
BT1 Potassium Compounds
BT2 Alkali Metal Compounds
NT1 Compreignacite
RT Clarkeite
RT Oxide Minerals

POTASSIUM PERCHLORATES [01]
DA January 31, 1975
BT1 Perchlorates
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Oxygen Compounds
BT1 Potassium Compounds
BT2 Alkali Metal Compounds

POTASSIUM PERMANGANATES
DA September 11, 1975
BT1 Permanganates
BT2 Manganese Compounds
BT3 Transition Element Compounds
BT2 Oxygen Compounds
BT1 Potassium Compounds
BT2 Alkali Metal Compounds

POTASSIUM PHOSPHATES [01]
DA December 1, 1974
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds
BT1 Potassium Compounds
BT2 Alkali Metal Compounds

POTASSIUM PHOSPHIDES [01]
DA December 26, 1984
BT1 Phosphides
BT2 Phosphorus Compounds
BT2 Pnictides
BT1 Potassium Compounds
BT2 Alkali Metal Compounds

POTASSIUM SELENIDES [01]
DA April 6, 1978
BT1 Potassium Compounds
BT2 Alkali Metal Compounds
BT1 Selenides
BT2 Chalcogenides
BT2 Selenium Compounds

POTASSIUM SILICATES [01]
DA December 1, 1974
BT1 Potassium Compounds
BT2 Alkali Metal Compounds
BT1 Silicates
BT2 Oxygen Compounds
BT2 Silicon Compounds
NT1 Orthoclase
RT Boltwoodite
RT Silicate Minerals

POTASSIUM SILICIDES [01]
DA January 10, 1977
BT1 Potassium Compounds
BT2 Alkali Metal Compounds
BT1 Silicides
BT2 Silicon Compounds

POTASSIUM SULFATES [01]
DA December 1, 1974
BT1 Potassium Compounds
BT2 Alkali Metal Compounds
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds
NT1 Alunite
RT Polyhalite
RT Sulfate Minerals

POTASSIUM SULFIDES [01]
DA December 1, 1974
BT1 Potassium Compounds
BT2 Alkali Metal Compounds
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds

POTASSIUM TELLURIDES [01]
DA January 23, 1978
BT1 Potassium Compounds
BT2 Alkali Metal Compounds
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds

POTASSIUM TUNGSTATES [01]
DA January 23, 1976
BT1 Potassium Compounds
BT2 Alkali Metal Compounds
BT1 Tungstates

POTASSIUM URANATES [01]
DA August 19, 1975
BT1 Potassium Compounds
BT2 Alkali Metal Compounds
BT1 Uranates
BT2 Uranium Compounds
BT3 Actinide Compounds

POTASSIUM VANADATES [01]
DA June 13, 1981
BT1 Potassium Compounds
BT2 Alkali Metal Compounds
BT1 Vanadates
BT2 Oxygen Compounds
BT2 Vanadium Compounds
BT3 Transition Element Compounds

Potato Plant
DA December 1, 1974
USE Solanum Tuberosum

Potato Tubers
DA December 1, 1974
USE Potatoes

POTATOES [01]
DA December 1, 1974
UF *Potato Tubers*
BT1 Tubers
BT1 Vegetables
BT2 Food
BT2 Plants
RT Solanum Tuberosum
RT Sprout Inhibition

Potential (Electric)
DA March 27, 1979
USE Electric Potential

Potential Barriers
DA April 11, 1979
USE Potentials

POTENTIAL ENERGY [01]
DA December 1, 1974
BT1 Energy
RT Central Potential
RT Energy Recovery
RT Kinetic Energy
RT Lagrangian Function
RT Landau-Zener Formula
RT Potentials

POTENTIAL FLOW [01]
DA December 1, 1974
BT1 Fluid Flow

POTENTIAL SCATTERING [01]
DA December 1, 1974
BT1 Elastic Scattering
BT2 Scattering
RT Coulomb Scattering
RT Potentials

POTENTIALS [01]
(Not for ELECTRIC POTENTIAL.)
DA April 11, 1979
UF *Potential Barriers*
NT1 Buckingham Potential
NT1 Central Potential
NT1 Gartenhaus Potential
NT1 Kihara Potential
NT1 Lennard-Jones Potential
NT1 Levy-Klein Potential
NT1 Morse Potential
NT1 Muffin-Tin Potential
NT1 Nonlocal Potential
NT1 Nuclear Potential
NT2 Fission Barrier
NT2 Hard-Core Potential
NT2 Harmonic Potential
NT2 Hulthen Potential
NT2 Soft-Core Potential
NT2 Square-Well Potential
NT2 Woods-Saxon Potential
NT2 Yukawa Potential
NT1 Nucleon-Nucleon Potential
NT2 Gammel-Brueckner Potential
NT2 Gauss Potential
NT2 Hamada-Johnston Potential
NT2 Reid Potential
NT2 Schiffer Potential
NT2 Signell-Marshak Potential
NT2 Skyrme Potential
NT2 Surface Delta Potential
NT2 Yamaguchi Potential
NT1 OPE Potential
NT2 Gammel-Thaler Potential
NT1 Surface Potential
NT1 Tabakin Potential
RT Basic Interactions
RT Electromagnetic Fields
RT Gravitational Fields
RT Interatomic Forces
RT Intermolecular Forces
RT Noncentral Forces
RT Nuclear Forces
RT Potential Energy
RT Potential Scattering
RT Roche Equipotentials
RT Rosenfeld Force
RT Tensor Forces

POTENTIOMETERS [01]
DA January 22, 1975
BT1 Electric Measuring Instruments
BT2 Electrical Equipment
BT3 Equipment
BT2 Measuring Instruments
RT Potentiostats
RT Resistors

POTENTIOMETRY [01]
DA December 1, 1974
BT1 Titration
RT Quantitative Chemical Analysis
RT Quinhydrone
RT Redox Potential

POTENTIOSTATS
DA March 28, 1979
BT1 Measuring Instruments
RT Potentiometers
RT Titration
RT Voltametry
DEF Automatic instrument that controls the potential of a working electrode during coulometric titrations.

POTHEADS
DA March 8, 1977
BT1 Electrical Equipment
BT2 Equipment
RT Connectors
DEF A hermetically sealed termination for an electric cable.

POTOMAC RIVER [01]
DA January 22, 1975
BT1 Rivers
BT2 Streams
BT3 Surface Waters
RT Maryland

RT Potomac River Basin
RT Virginia
RT West Virginia

POTOMAC RIVER BASIN
DA November 8, 1980
RT Maryland
RT Pennsylvania
RT Potomac River
RT Virginia
RT Washington DC
RT West Virginia

Potorous
DA December 1, 1974
USE Marsupials

POTT-BROCHE PROCESS
DA January 24, 1975
BT1 Coal Liquefaction
BT2 Liquefaction
BT3 Thermochemical Processes
DEF Direct conversion of coal to synthetic crude oil by hydrogenation after solvent extraction.

POTTING [01]
DA April 12, 1979
RT Electrical Equipment
RT Electronic Equipment
RT Encapsulation
RT Potting Materials
DEF Encapsulation of electrical or electronic equipment with a shock-absorbing dielectric material.

POTTING MATERIALS [01]
DA March 29, 1979
BT1 Materials
RT Electrical Equipment
RT Electronic Equipment
RT Potting
DEF Shock-absorbing dielectric materials used for encapsulating electrical or electronic equipment.

Poultry
DA December 1, 1974
USE Fowl

POUR POINT
DA January 27, 1975
RT Fluids
RT Liquids
DEF The lowest temperature at which a substance flows under specified conditions.

POWDER METALLURGY [01]
DA December 1, 1974
BT1 Metallurgy
RT Compacting
RT Powders
RT Sintered Materials
RT Sintering

POWDER RIVER BASIN [01]
DA August 22, 1985
BT1 Montana
BT2 USA
BT3 Developed Countries
BT3 North America
BT1 Watersheds
BT1 Wyoming
BT2 USA
BT3 Developed Countries
BT3 North America
RT Coal Deposits
RT Natural Gas Deposits
RT Petroleum Deposits
RT Sedimentary Basins

POWDERS [01]
DA December 1, 1974
RT Compacts
RT Debye-Scherrer Method
RT Dusts
RT Elutriation
RT Granular Materials
RT Particle Size
RT Particles
RT Powder Metallurgy
RT Pulverized Fuels
RT Sintered Materials
RT Specific Surface Area

POWER [01]
DA December 1, 1974
NT1 Electric Power
NT2 Hydroelectric Power
NT2 Off-Peak Power
NT2 Surplus Power
NT1 Nuclear Power
NT2 Residual Power
NT1 Power Range 01-10 TW
NT1 Wave Power
NT1 Wind Power
RT Power Input
RT Power Range
RT Power Range 01-10 GW
RT Power Range 10-100 GW
RT Power Range 100-1000 GW
RT Power Range 01-10 kW
RT Power Range 10-100 kW
RT Power Range 100-1000 kW
RT Power Range 01-10 MW
RT Power Range 10-100 MW
RT Power Range 100-1000 MW
RT Power Range 01-10 W
RT Power Range 10-100 W
RT Power Range 100-1000 W
RT Thermonuclear Reactors

POWER AMPLIFIERS [01]
DA December 1, 1974
BT1 Amplifiers
BT2 Electronic Equipment
BT3 Equipment

Power Burst Facility USAEC
DA December 1, 1974
USE PBF Reactor

POWER COEFFICIENT [01]
DA December 1, 1974
BT1 Reactivity Coefficients

POWER CONDITIONING CIRCUITS
DA January 22, 1975
UF *Power Conditioning Systems*
BT1 Electronic Circuits
RT DC to DC Converters
RT Inverters
RT Power Supplies

Power Conditioning Systems
DA December 16, 1975
USE Power Conditioning Circuits

POWER-COOLING-MISMATCH ACCIDENTS [01]
DA January 22, 1975
UF *PCM Accidents*
BT1 Reactor Accidents
BT2 Accidents

POWER DEMAND [01]
DA February 13, 1975
BT1 Demand
RT Demand Factors
RT Electric Power
RT Energy Demand
RT Fill Factors
RT Off-Peak Power
RT Peak Load

POWER DENSITY [01]
DA December 1, 1974
UF *Density (Power)*
NT1 Wall Loading
RT Neutron Density
RT Power Distribution
RT Reactor Cores
RT Reactor Lattices

POWER DISTRIBUTION [01]
DA July 29, 1975
SF *Energy Transport*
SF *Transport (Energy)*
RT Power Density
RT Power Transmission
RT Reactor Cores
DEF Distribution from convenient points on the transmission or bulk power system to consumers;generation of heat within nuclear reactor cores or portions of the cores.

POWER DISTRIBUTION SYSTEMS [01]
DA March 17, 1981
RT Power Substations
RT Power Systems
RT Power Transmission
DEF System for distributing electric energy from convenient points on the transmission or bulk power system to the consumers.

Power Excursions
DA December 1, 1974
USE Excursions

POWER FACTOR
DA September 19, 1977
UF *Phase Factor*
RT Interconnected Power Systems
RT Power Generation
RT Power Systems
RT Power Transmission
RT VAR Control Systems
DEF The ratio of the average or active power to the apparent power.

POWER GENERATION [01]
DA February 13, 1975
NT1 Cogeneration
NT1 On-Site Power Generation
RT Capacity
RT Dispersed Storage and Generation
RT Dual-Purpose Power Plants
RT Electric Power
RT Fill Factors
RT Flood Control
RT Gas Turbine Power Plants
RT Interconnected Power Systems
RT Power Factor
RT Power Pooling
RT Power Substations
RT Power Systems
RT Refuse-Fueled Power Plants
RT Wave Power

POWER INPUT [01]
DA September 19, 1977
UF *Wattage*
RT Power
DEF Power required to operate machinery or appliance.

POWER LOSSES [01]
DA January 30, 1979
BT1 Energy Losses
BT2 Losses
NT1 Line Losses
RT Electric Power
RT Power Transmission

POWER METERS [01]
DA January 23, 1978
UF *Watt-Hour Meters*
BT1 Electric Measuring Instruments
BT2 Electrical Equipment
BT3 Equipment
BT2 Measuring Instruments
BT1 Meters
BT2 Measuring Instruments
RT Electric Power
RT Energy Consumption
RT Master Metering
RT Metering
RT Peak-Load Pricing

Power Plant and Industrial Fuel Use Act
(Prior to February 1992 this was a valid descriptor.)
DA May 6, 1980
USE US Power Plant and Industrial Fuel Use Act

POWER PLANTS [01]
DA December 1, 1974
UF *Plants (Power)*
NT1 Dual-Purpose Power Plants
NT1 Fuel Cell Power Plants
NT1 Gas Turbine Power Plants
NT1 Hydroelectric Power Plants
NT2 High-Head Hydroelectric Power Plants
NT2 Low-Head Hydroelectric Power Plants
NT2 Medium-Head Hydroelectric Power Plants
NT2 Micro-Scale Hydroelectric Power Plants
NT2 Pumped Storage Power Plants
NT2 Small-Scale Hydroelectric Power Plants
NT1 MHD Power Plants
NT2 MHD Generator ETF
NT1 Peaking Power Plants
NT2 Compressed Air Storage Power Plants
NT2 Pumped Storage Power Plants
NT1 Solar Power Plants
NT2 Ocean Thermal Power Plants
NT2 Orbital Solar Power Plants
NT2 Photovoltaic Power Plants
NT2 Salinity Gradient Power Plants
NT2 Solar Thermal Power Plants
NT3 Distributed Collector Power Plants
NT3 Tower Focus Power Plants
NT4 Barstow Solar Pilot Plant
NT4 Eurelios Solar Power Plant
NT1 Thermal Power Plants
NT2 Combined-Cycle Power Plants
NT3 MHD Generator ETF
NT2 Fossil-Fuel Power Plants
NT3 Kingston Steam Plant
NT3 Paradise Steam Plant
NT3 San Juan Power Plant
NT3 Shawnee Steam Plant
NT3 Widows Creek Steam Plant
NT2 Geothermal Power Plants
NT2 Nuclear Power Plants
NT3 BOPSSAR Standard Plant
NT3 Ebasco Standard Plant
NT3 Gibbssar Standard Plant
NT3 Offshore Nuclear Power Plants
NT3 Swessar Standard Plant
NT3 Underground Nuclear Stations
NT2 Ocean Thermal Power Plants
NT2 Refuse-Fueled Power Plants
NT2 Solar Thermal Power Plants
NT3 Distributed Collector Power Plants
NT3 Tower Focus Power Plants
NT4 Barstow Solar Pilot Plant
NT4 Eurelios Solar Power Plant
NT2 Wood-Fuel Power Plants
NT1 Thermonuclear Power Plants
NT1 Tidal Power Plants
NT2 Kislogubsk Power Plant
NT2 Passamaquoddy Power Plant
NT2 Rance Power Plant
NT1 Wind Power Plants
NT2 EFD Wind Generators
RT Combined Cycles
RT Douglas Point Site
RT Electric Power
RT Off-Peak Power
RT On-Site Power Generation
RT Power Substations
RT Power Systems
RT Rankine Cycle Power Systems

POWER POOLING
DA February 23, 1982
RT Electric Utilities
RT Interconnected Power Systems
RT Power Generation
RT Power Transmission
DEF Coordination among electric utilities through formal agreements to share the planning and operation of power generation and transmission facilities.

Power Pools
DA March 4, 1980
USE Interconnected Power Systems

POWER POTENTIAL
DA January 23, 1975
RT Electric Power

POWER RANGE [01]
DA August 10, 1989
NT1 Gigawatt Power Range
NT2 Power Range 01-10 GW
NT2 Power Range 10-100 GW
NT2 Power Range 100-1000 GW
NT1 Kilowatt Power Range
NT2 Power Range 01-10 kW
NT2 Power Range 10-100 kW
NT2 Power Range 100-1000 kW
NT1 Megawatt Power Range
NT2 Power Range 01-10 MW
NT2 Power Range 10-100 MW
NT2 Power Range 100-1000 MW
NT1 Milliwatt Power Range
NT1 Terawatt Power Range
NT1 Watt Power Range
NT2 Power Range 01-10 W
NT2 Power Range 10-100 W
NT2 Power Range 100-1000 W
RT Power

POWER RANGE 01-10 GW [01]
(Prior to November 1989, this descriptor was POWER RANGE 1-10 GW and older material is so indexed.)
DA June 30, 1975
BT1 Gigawatt Power Range
BT2 Power Range
RT Power

POWER RANGE 10-100 GW [01]
DA September 11, 1975
BT1 Gigawatt Power Range
BT2 Power Range
RT Power

POWER RANGE 100-1000 GW [01]
DA September 11, 1975
BT1 Gigawatt Power Range
BT2 Power Range
RT Power

POWER RANGE 01-10 KW [01]
(Prior to November 1989, this descriptor was POWER RANGE 1-10 kW and older material is so indexed.)
DA April 30, 1975
BT1 Kilowatt Power Range
BT2 Power Range
RT Power

POWER RANGE 10-100 KW [01]
DA April 30, 1975
BT1 Kilowatt Power Range
BT2 Power Range
RT Power

POWER RANGE 100-1000 KW [01]
DA April 30, 1975
BT1 Kilowatt Power Range
BT2 Power Range
RT Power

POWER RANGE 01-10 MW [01]
(Prior to November 1989, this descriptor was POWER RANGE 1-10 MW and older material is so indexed.)
DA April 30, 1975
BT1 Megawatt Power Range
BT2 Power Range
RT Power

POWER RANGE 10-100 MW [01]
DA April 30, 1975
BT1 Megawatt Power Range
BT2 Power Range
RT Power

POWER RANGE 100-1000 MW [01]
DA April 30, 1975
BT1 Megawatt Power Range
BT2 Power Range
RT Power

POWER RANGE 01-10 TW [01]
(Prior to November 1989, this descriptor was POWER RANGE 1-10 TW and older material is so indexed.)
DA May 24, 1982
BT1 Power

POWER RANGE 01-10 W [01]
(Prior to November 1989, this descriptor was POWER RANGE 1-10 W and older material is so indexed.)
DA April 30, 1975
BT1 Watt Power Range
BT2 Power Range
RT Power

POWER RANGE 10-100 W [01]
DA May 12, 1975
BT1 Watt Power Range
BT2 Power Range
RT Power

POWER RANGE 100-1000 W [01]
DA April 30, 1975
BT1 Watt Power Range
BT2 Power Range
RT Power

Power Range Milli W
DA April 30, 1975
USE Milliwatt Power Range

Power Reactor Nuclear Fuel Development Corporation
DA September 11, 1975
USE PNC

POWER REACTORS [01]
DA December 1, 1974
BT1 Reactors
NT1 Agesta Reactor
NT1 AIPFR Reactor
NT1 Ao-Phai-1 Reactor
NT1 APS Reactor
NT1 ARBUS Reactor
NT1 Atucha Reactor
NT1 AVR Reactor
NT1 Beloyarsk-1 Reactor
NT1 Beloyarsk-2 Reactor
NT1 Beloyarsk-3 Reactor
NT1 Beloyarsk-4 Reactor
NT1 Berkeley Reactor
NT1 Bilibin Reactor
NT1 BN-1600 Reactor
NT1 BN-350 Reactor
NT1 BN-800 Reactor
NT1 Bohunice A-1 Reactor
NT1 Bohunice A-2 Reactor
NT1 BOR-60 Reactor
NT1 BORAX-3 Reactor
NT1 BORAX-4 Reactor
NT1 BORAX-5 Reactor
NT1 Bradwell Reactor
NT1 Bruce-1 Reactor
NT1 Bruce-2 Reactor
NT1 Bruce-3 Reactor
NT1 Bruce-4 Reactor
NT1 Bugey-1 Reactor
* NT1 BWR Type Reactors
NT1 Calder Hall A-1 Reactor
NT1 Calder Hall A-2 Reactor
NT1 Calder Hall B-3 Reactor
NT1 Calder Hall B-4 Reactor
NT1 CDFR Reactor
NT1 Chapelcross-1 Reactor
NT1 Chapelcross-2 Reactor
NT1 Chapelcross-3 Reactor
NT1 Chapelcross-4 Reactor
NT1 Chernobylsk-1 Reactor
NT1 Chernobylsk-2 Reactor
NT1 Chernobylsk-3 Reactor
NT1 Chernobylsk-4 Reactor
NT1 Chinon-1 Reactor
NT1 Chinon-2 Reactor
NT1 Chinon-3 Reactor
NT1 Cirene Reactor
NT1 Clinch River Breeder Reactor
NT1 Connah Quay-B Reactor
NT1 CVTR Reactor
NT1 Darlington-4 Reactor
NT1 DFR Reactor

NT1 Dragon Reactor
NT1 Dungeness-A Reactor
NT1 Dungeness-B Reactor
NT1 EBOR Reactor
NT1 EBR-1 Reactor
NT1 EBR-2 Reactor
NT1 EGCR Reactor
NT1 EL-4 Reactor
NT1 Enrico Fermi-1 Reactor
NT1 EPEC Reactor
NT1 ESCOM Reactor
NT1 EVSR Reactor
NT1 Fessenheim-2 Reactor
NT1 Forsmark-1 Reactor
NT1 Fulton-1 Reactor
NT1 Fulton-2 Reactor
NT1 GA Standard Reactor
NT1 GCRE Reactor
NT1 Gentilly Reactor
NT1 Ginna-2 Reactor
NT1 Hartlepool Reactor
NT1 HBWR Reactor
NT1 Heysham-A Reactor
NT1 Heysham-B Reactor
NT1 Hinkley Point-A Reactor
NT1 Hinkley Point-B Reactor
NT1 HNPF Reactor
NT1 Hokuriku-1 Reactor
NT1 HRE-2 Reactor
NT1 Humboldt Bay Reactor
NT1 Hunterston-A Reactor
NT1 Hunterston-B Reactor
NT1 Ignalinsk-1 Reactor
NT1 Ignalinsk-2 Reactor
NT1 JATR Reactor
NT1 Jervis Bay Reactor
NT1 Joyo Reactor
NT1 Kalpakkam-1 Reactor
NT1 Kalpakkam-2 Reactor
NT1 KANUPP Reactor
NT1 KNK Reactor
NT1 KNK-2 Reactor
NT1 Kursk-1 Reactor
NT1 Kursk-2 Reactor
NT1 Kursk-3 Reactor
NT1 Kursk-4 Reactor
NT1 LAMPRE-1 Reactor
NT1 Latina Reactor
NT1 Leningrad-1 Reactor
NT1 Leningrad-2 Reactor
NT1 Leningrad-3 Reactor
NT1 Leningrad-4 Reactor
NT1 Lucens Reactor
NT1 Marviken Reactor
NT1 ML-1 Reactor
NT1 Monju Reactor
NT1 MSRE Reactor
NT1 MZFR Reactor
NT1 N-Reactor
NT1 Narora-1 Reactor
NT1 Narora-2 Reactor
NT1 Niederaichbach Reactor
NT1 NPD Reactor
NT1 OKG-3 Reactor
NT1 OKG-4 Reactor
NT1 Oldbury-A Reactor
NT1 Oldbury-B Reactor
NT1 Package Reactors
NT1 Peach Bottom-1 Reactor
NT1 PEC Brasimone Reactor
NT1 Perryman-1 Reactor
NT1 Perryman-2 Reactor
NT1 PFR Reactor
NT1 Phenix Reactor
NT1 Pickering-1 Reactor
NT1 Pickering-2 Reactor
NT1 Pickering-3 Reactor
NT1 Pickering-4 Reactor
NT1 Pickering-5 Reactor
NT1 Pickering-6 Reactor
NT1 Pickering-7 Reactor
NT1 Pickering-8 Reactor
NT1 PLBR Reactor
NT1 PNPF Reactor
* NT1 PWR Type Reactors
NT1 Rajasthan-1 Reactor
NT1 Rajasthan-2 Reactor
NT1 Rancho Seco-2 Reactor
NT1 Saint Laurent-1 Reactor
NT1 Saint Laurent-2 Reactor
NT1 Schmehausen-2 Reactor
NT1 SEFOR Reactor
NT1 SGHWR Reactor
NT1 Sizewell-A Reactor
NT1 Smolensk-1 Reactor
NT1 Smolensk-2 Reactor
NT1 SNR Reactor
NT1 SNR-2 Reactor
* NT1 Space Power Reactors
NT1 SRE Reactor
NT1 Summit-1 Reactor
NT1 Summit-2 Reactor
NT1 Thermionic Reactors
NT2 ITR Reactor
NT1 THTR-300 Reactor
NT1 Tokai-Mura Reactor
NT1 Topaz Reactor
NT1 Torness Reactor
NT1 Trawsfynydd Reactor
NT1 Vandellos Reactor
NT1 VG-400 Reactor
NT1 VGR-50 Reactor
NT1 VHTR Reactor
NT1 Vidal-1 Reactor
NT1 Vidal-2 Reactor
NT1 Vrain Reactor
NT1 WAGR Reactor
NT1 Wolsung-1 Reactor
NT1 Wylfa Reactor
RT AGR Type Reactors
RT BHWR Type Reactors
RT Desalination Reactors
RT FBR Type Reactors
RT GCR Type Reactors
RT HTGR Type Reactors
RT HWGCR Type Reactors
RT HWLWR Type Reactors
RT LWGR Type Reactors
RT LWOR Type Reactors
RT Magnox Type Reactors
RT Nuclear Power Plants
RT OMR Type Reactors
RT PHWR Type Reactors
RT Present Worth Method
RT Pressure Tube Reactors
RT Process Heat Reactors
RT SGR Type Reactors
RT SZR Type Reactors
RT Underground Nuclear Stations

POWER RELAY SATELLITES
DA February 19, 1975
BT1 Satellites
RT Power Transmission

POWER SERIES [01]
DA December 1, 1974
BT1 Series Expansion
RT Mathematics

POWER SUBSTATIONS [01]
(Term is used for an assembly of equipment in an electric power system for the transmission, transformation, or switching of electric energy.)
DA July 7, 1976
UF *Electric Power Substations*
NT1 Gas-Insulated Substations
RT Power Distribution Systems
RT Power Generation
RT Power Plants
RT Power Systems
RT Power Transmission
RT Power Transmission Lines

POWER SUPPLIES [01]
DA December 1, 1974
BT1 Electronic Equipment
BT2 Equipment
NT1 Marx Generators
NT1 Photovoltaic Power Supplies
NT1 Radio Equipment Power Supplies
NT1 Spacecraft Power Supplies
RT Capacitors
RT DC to DC Converters
RT Direct Energy Converters
RT Electric Power
RT Electrical Equipment
RT Gyrocons
RT Inverters
RT Klystrons
RT Lasertrons
RT Power Conditioning Circuits
RT RF Systems

POWER SYSTEMS [01]
(Includes electric power networks with associated generating and transmission facilities.)
DA February 19, 1976
UF *Electric Power Systems*
BT1 Energy Systems
NT1 AC Systems
NT2 EHV AC Systems
NT2 HVAC Systems
NT2 UHV AC Systems
NT1 Brayton Cycle Power Systems
NT1 DC Systems
NT2 EHV DC Systems
NT2 HVDC Systems
NT2 UHV DC Systems
NT1 Interconnected Power Systems
NT1 Rankine Cycle Power Systems
NT1 Solar-Assisted Power Systems
RT Dispersed Storage and Generation
RT Electric Power Industry
RT Electric Utilities
RT Electrical Transients
RT Gas-Insulated Transformers
RT Laser Power Transmission
RT Microwave Power Transmission
RT Outages
RT Power Distribution Systems
RT Power Factor
RT Power Generation
RT Power Plants
RT Power Substations
RT Power Transmission
RT Power Transmission Lines
RT Underground Power Transmission
RT VAR Control Systems

POWER TRANSMISSION [01]
DA December 1, 1974
SF *Energy Transmission*
SF *Energy Transport*
SF *Transmission (Energy)*
SF *Transport (Energy)*
NT1 Laser Power Transmission
NT1 Microwave Power Transmission
NT1 Overhead Power Transmission
NT1 Underground Power Transmission
RT Electric Power
RT Gas-Insulated Cables
RT Gas-Insulated Transformers
RT Hybrid Systems
RT Interconnected Power Systems
RT Line Losses
RT Oil-Filled Cables
RT Power Distribution
RT Power Distribution Systems
RT Power Factor
RT Power Losses
RT Power Pooling
RT Power Relay Satellites
RT Power Substations
RT Power Systems
RT Power Transmission Lines
RT Shunt Reactors
RT VAR Control Systems
DEF The act or process of transporting electrical energy in bulk from a source or sources of supply to other principal parts of the system or to other utility systems.

POWER TRANSMISSION LINES [01]
DA January 24, 1975
UF *Transmission Lines*
RT Current Limiters
RT Electric Cables
RT Gas-Insulated Cables
RT Line Losses
RT Oil-Filled Cables
RT Power Substations
RT Power Systems
RT Power Transmission
RT Rights-of-Way
RT Shunt Reactors

POWER TRANSMISSION TOWERS [01]
DA August 4, 1976
UF *Transmission Towers*

SF *Towers*
BT1 Mechanical Structures
RT Overhead Power Transmission

POWERED SUPPORTS
DA June 24, 1977
BT1 Supports
BT2 Mechanical Structures
NT1 Shield Supports

POYNTING THEOREM [01]
DA December 1, 1974
UF *Poynting Vector*
RT Flux Density
RT Maxwell Equations
RT Radiation Flux
RT Vectors

Poynting Vector
DA December 1, 1974
USE Poynting Theorem

PP Chain
DA July 23, 1980
USE Hydrogen Burning

PP-Factor
DA December 1, 1974
USE Nicotinamide

PR-6 DEVICE [01]
DA June 30, 1975
BT1 PR Devices
BT2 Magnetic Mirrors
BT3 Open Plasma Devices
BT4 Thermonuclear Devices

PR-7 DEVICE [01]
DA June 30, 1975
BT1 PR Devices
BT2 Magnetic Mirrors
BT3 Open Plasma Devices
BT4 Thermonuclear Devices

PR-8 DEVICE [01]
DA June 30, 1975
BT1 PR Devices
BT2 Magnetic Mirrors
BT3 Open Plasma Devices
BT4 Thermonuclear Devices

PR-10 AEG Pruefreaktor
DA December 1, 1974
USE AEG-PR-10 Reactor

PR DEVICES [01]
DA June 30, 1975
BT1 Magnetic Mirrors
BT2 Open Plasma Devices
BT3 Thermonuclear Devices
NT1 PR-6 Device
NT1 PR-7 Device
NT1 PR-8 Device

PR SPRINGS DEPOSIT [01]
DA November 17, 1976
BT1 Oil Sand Deposits
BT2 Geologic Deposits
RT Oil Sands
RT Utah

PRAETORIAN PROJECT
DA November 9, 1983
BT1 Nuclear Explosions
BT2 Explosions
RT Contained Explosions
RT Underground Explosions

PRAIRIE DOGS
DA December 22, 1977
BT1 Rodents
BT2 Mammals
BT3 Vertebrates
BT4 Animals

PRAIRIE ISLAND-1 REACTOR [01]
(Red Wing, Minnesota, USA)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

PRAIRIE ISLAND-2 REACTOR [01]
(Red Wing, Minnesota, USA)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

PRANDTL NUMBER [01]
DA December 1, 1974
RT Nusselt Number
RT Thermodynamic Properties
RT Viscous Flow

PRASEODYMIUM [01]
DA December 1, 1974
BT1 Rare Earths
BT2 Metals
BT3 Elements

PRASEODYMIUM 121 [01]
DA July 24, 1979
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Praseodymium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

PRASEODYMIUM 124 [01]
DA May 1, 1987
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Praseodymium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

PRASEODYMIUM 126 [01]
DA November 6, 1984
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Praseodymium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

PRASEODYMIUM 128 [01]
DA August 8, 1985
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Praseodymium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

PRASEODYMIUM 129 [01]
DA October 20, 1977
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Praseodymium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

PRASEODYMIUM 130 [01]
DA October 20, 1977
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Praseodymium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

PRASEODYMIUM 131 [01]
DA October 20, 1977
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Praseodymium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

PRASEODYMIUM 132 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Praseodymium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

PRASEODYMIUM 133 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes

BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Praseodymium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

PRASEODYMIUM 134 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Praseodymium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

PRASEODYMIUM 135 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Praseodymium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

PRASEODYMIUM 136 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Praseodymium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

PRASEODYMIUM 137 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Praseodymium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

PRASEODYMIUM 138 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Praseodymium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

PRASEODYMIUM 139 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Praseodymium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

PRASEODYMIUM 140 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Praseodymium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

PRASEODYMIUM 141 [01]
DA December 1, 1974
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Praseodymium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

BT1 Stable Isotopes
BT2 Isotopes

PRASEODYMIUM 141 TARGET [01]
DA July 9, 1976
BT1 Targets

PRASEODYMIUM 142 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Praseodymium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

PRASEODYMIUM 143 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Praseodymium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

PRASEODYMIUM 144 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Praseodymium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

PRASEODYMIUM 145 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei

BT1 Praseodymium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

PRASEODYMIUM 146 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Praseodymium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

PRASEODYMIUM 147 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Praseodymium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

PRASEODYMIUM 148 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Praseodymium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

PRASEODYMIUM 149 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Praseodymium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

PRASEODYMIUM 150 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Praseodymium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

PRASEODYMIUM 151 [01]
DA January 28, 1975
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Praseodymium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

PRASEODYMIUM 152 [01]
DA July 10, 1984
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Praseodymium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

PRASEODYMIUM 153 [01]
DA September 18, 1987
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Praseodymium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

PRASEODYMIUM 154 [01]
DA October 28, 1988
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Praseodymium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

PRASEODYMIUM ADDITIONS [01]
DA December 1, 1974
BT1 Praseodymium Alloys
BT2 Rare Earth Alloys
BT3 Alloys
BT1 Rare Earth Additions
BT2 Rare Earth Alloys
BT3 Alloys

PRASEODYMIUM ALLOYS [01]
DA December 1, 1974
BT1 Rare Earth Alloys
BT2 Alloys
NT1 Praseodymium Additions
NT1 Praseodymium Base Alloys

PRASEODYMIUM ARSENIDES [01]
DA October 28, 1975
BT1 Arsenides
BT2 Arsenic Compounds
BT2 Pnictides
BT1 Praseodymium Compounds
BT2 Rare Earth Compounds

PRASEODYMIUM BASE ALLOYS [01]
DA December 1, 1974
BT1 Praseodymium Alloys
BT2 Rare Earth Alloys
BT3 Alloys

PRASEODYMIUM BORIDES [01]
DA December 1, 1974
BT1 Borides
BT2 Boron Compounds
BT1 Praseodymium Compounds
BT2 Rare Earth Compounds

PRASEODYMIUM BROMIDES [01]
DA December 1, 1974
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Praseodymium Compounds
BT2 Rare Earth Compounds

PRASEODYMIUM CARBIDES [01]
DA December 1, 1974
BT1 Carbides
BT2 Carbon Compounds
BT1 Praseodymium Compounds
BT2 Rare Earth Compounds

PRASEODYMIUM CARBONATES [01]
DA December 1, 1974
BT1 Carbonates
BT2 Carbon Compounds
BT2 Oxygen Compounds
BT1 Praseodymium Compounds
BT2 Rare Earth Compounds

PRASEODYMIUM CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Praseodymium Compounds
BT2 Rare Earth Compounds

PRASEODYMIUM COMPLEXES [01]
DA December 1, 1974
BT1 Rare Earth Complexes
BT2 Complexes

PRASEODYMIUM COMPOUNDS [01]
DA December 1, 1974
BT1 Rare Earth Compounds
NT1 Praseodymium Arsenides
NT1 Praseodymium Borides
NT1 Praseodymium Bromides
NT1 Praseodymium Carbides
NT1 Praseodymium Carbonates
NT1 Praseodymium Chlorides
NT1 Praseodymium Fluorides
NT1 Praseodymium Hydrides
NT1 Praseodymium Hydroxides
NT1 Praseodymium Iodides
NT1 Praseodymium Nitrates
NT1 Praseodymium Nitrides
NT1 Praseodymium Oxides
NT1 Praseodymium Perchlorates
NT1 Praseodymium Phosphates
NT1 Praseodymium Phosphides
NT1 Praseodymium Selenides
NT1 Praseodymium Silicates
NT1 Praseodymium Silicides
NT1 Praseodymium Sulfates
NT1 Praseodymium Sulfides

NT1 Praseodymium Tellurides
NT1 Praseodymium Tungstates

PRASEODYMIUM FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Praseodymium Compounds
BT2 Rare Earth Compounds

PRASEODYMIUM HYDRIDES [01]
DA December 1, 1974
BT1 Hydrides
BT2 Hydrogen Compounds
BT1 Praseodymium Compounds
BT2 Rare Earth Compounds

PRASEODYMIUM HYDROXIDES [01]
DA December 1, 1974
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds
BT1 Praseodymium Compounds
BT2 Rare Earth Compounds

PRASEODYMIUM IODIDES [01]
DA December 1, 1974
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds
BT1 Praseodymium Compounds
BT2 Rare Earth Compounds

PRASEODYMIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

PRASEODYMIUM ISOTOPES [01]
DA December 1, 1974
BT1 Rare Earth Isotopes
BT2 Isotopes
NT1 Praseodymium 121
NT1 Praseodymium 124
NT1 Praseodymium 126
NT1 Praseodymium 128
NT1 Praseodymium 129
NT1 Praseodymium 130
NT1 Praseodymium 131
NT1 Praseodymium 132
NT1 Praseodymium 133
NT1 Praseodymium 134
NT1 Praseodymium 135
NT1 Praseodymium 136
NT1 Praseodymium 137
NT1 Praseodymium 138
NT1 Praseodymium 139
NT1 Praseodymium 140
NT1 Praseodymium 141
NT1 Praseodymium 142
NT1 Praseodymium 143
NT1 Praseodymium 144
NT1 Praseodymium 145
NT1 Praseodymium 146
NT1 Praseodymium 147
NT1 Praseodymium 148
NT1 Praseodymium 149
NT1 Praseodymium 150
NT1 Praseodymium 151
NT1 Praseodymium 152
NT1 Praseodymium 153
NT1 Praseodymium 154

PRASEODYMIUM NITRATES [01]
DA December 1, 1974
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds
BT1 Praseodymium Compounds
BT2 Rare Earth Compounds

PRASEODYMIUM NITRIDES [01]
DA December 1, 1974
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides
BT1 Praseodymium Compounds
BT2 Rare Earth Compounds

PRASEODYMIUM OXIDES [01]
DA December 1, 1974
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds
BT1 Praseodymium Compounds
BT2 Rare Earth Compounds

PRASEODYMIUM PERCHLORATES [01]
DA January 22, 1975
BT1 Perchlorates
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Oxygen Compounds
BT1 Praseodymium Compounds
BT2 Rare Earth Compounds

PRASEODYMIUM PHOSPHATES [01]
DA January 30, 1975
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds
BT1 Praseodymium Compounds
BT2 Rare Earth Compounds

PRASEODYMIUM PHOSPHIDES [01]
DA November 28, 1975
BT1 Phosphides
BT2 Phosphorus Compounds
BT2 Pnictides
BT1 Praseodymium Compounds
BT2 Rare Earth Compounds

PRASEODYMIUM SELENIDES [01]
DA April 8, 1975
BT1 Praseodymium Compounds
BT2 Rare Earth Compounds
BT1 Selenides
BT2 Chalcogenides
BT2 Selenium Compounds

PRASEODYMIUM SILICATES [01]
DA October 28, 1988
BT1 Praseodymium Compounds
BT2 Rare Earth Compounds
BT1 Silicates
BT2 Oxygen Compounds
BT2 Silicon Compounds

PRASEODYMIUM SILICIDES [01]
DA December 16, 1975
BT1 Praseodymium Compounds
BT2 Rare Earth Compounds
BT1 Silicides
BT2 Silicon Compounds

PRASEODYMIUM SULFATES [01]
DA December 1, 1974
BT1 Praseodymium Compounds
BT2 Rare Earth Compounds
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds

PRASEODYMIUM SULFIDES [01]
DA December 1, 1974
BT1 Praseodymium Compounds
BT2 Rare Earth Compounds
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds

PRASEODYMIUM TELLURIDES [01]
DA January 22, 1975
BT1 Praseodymium Compounds
BT2 Rare Earth Compounds
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds

PRASEODYMIUM TUNGSTATES [01]
DA June 2, 1977
BT1 Praseodymium Compounds
BT2 Rare Earth Compounds
BT1 Tungstates

PRAWNS [01]
DA June 3, 1977
BT1 Decapods
BT2 Crustaceans
BT3 Aquatic Organisms
BT3 Arthropods
BT4 Invertebrates
BT5 Animals
RT Lobsters
RT Seafood
RT Shrimp

PRCF REACTOR [01]
DA December 1, 1974
UF *Plutonium Recycle Critical Facility*
UF *PNL-PRCF Reactor*
BT1 Plutonium Reactors
BT2 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

PRE-GONDOLA I EVENT [01]
DA December 1, 1974
BT1 Chemical Explosions
BT2 Explosions
BT1 Cratering Explosions
BT2 Explosions
BT1 Plowshare Project
BT1 Underground Explosions
BT2 Explosions

PRE-GONDOLA II EVENT [01]
DA December 1, 1974
BT1 Chemical Explosions
BT2 Explosions
BT1 Cratering Explosions
BT2 Explosions
BT1 Plowshare Project
BT1 Underground Explosions
BT2 Explosions

PREAMPLIFIERS [01]
DA December 1, 1974
BT1 Amplifiers
BT2 Electronic Equipment
BT3 Equipment

PRECAMBRIAN ERA [01]
DA October 19, 1977
BT1 Geologic Ages

PRECESSION [01]
DA December 1, 1974
NT1 Larmor Precession
RT Gyroscopes
RT Magma Devices
RT Orbits
RT Rotation

PRECETRON STORAGE RING [01]
DA December 1, 1974
BT1 Storage Rings

PRECIPITATION [01]
(In chemical processes only; see also ATMOSPHERIC PRECIPITATIONS and CHARGED-PARTICLE PRECIPITATION.)
DA December 1, 1974
BT1 Separation Processes
NT1 Coprecipitation
NT1 Flocculation
RT Agglomeration
RT Crystallization
RT Deposition
RT Hydrometallurgy
RT OPIX Process
RT Salting-Out Agents
RT Scaling
RT Sedimentation
RT Solubility
RT Supersaturation
RT Trapped Protons
RT Waste Processing

PRECIPITATION HARDENING [01]
DA December 1, 1974
BT1 Hardening
RT Age Hardening

PRECIPITATION SCAVENGING [01]
DA December 1, 1974

BT1 Separation Processes
NT1 Washout

Precipitations (Atmospheric)
DA December 1, 1974
USE Atmospheric Precipitations

PRECIPITINS [01]
DA December 1, 1974
BT1 Antibodies

PRECOMPOUND-NUCLEUS EMISSION [01]
DA December 1, 1974
UF *Preequilibrium Nuclear Processes*
BT1 Nuclear Reactions
RT Deep Inelastic Heavy Ion Reactions
RT Evaporation Model
RT Exciton Model
RT Incomplete Fusion Reactions
RT Quasi-Fission

PRECURSOR [01]
DA December 1, 1974
RT Biosynthesis
RT Earthquakes
RT Metabolism
RT Nucleic Acids
RT Rock Bursts

Precursors (Delayed Neutron)
DA December 16, 1976
USE Delayed Neutron Precursors

Precursors (Delayed Neutrons)
DA December 1, 1974
USE Delayed Neutron Precursors

Precursors (Delayed Proton)
DA December 16, 1976
USE Delayed Proton Precursors

PREDATOR-PREY INTERACTIONS [01]
DA March 28, 1979
RT Behavior
RT Ecology
RT Ecosystems
RT Food Chains
RT Population Dynamics
RT Symbiosis

Prediction
DA December 1, 1974
USE Forecasting

PREDICTION EQUATIONS [01]
DA December 1, 1974
BT1 Equations

PREDISSOCIATION [01]
DA December 1, 1974
BT1 Dissociation

PREDNISOLONE [01]
DA December 1, 1974
BT1 Glucocorticoids
BT2 Corticosteroids
BT3 Adrenal Hormones
BT4 Hormones
BT3 Hydroxy Compounds
BT4 Organic Compounds
BT3 Ketones
BT4 Organic Compounds
BT3 Pregnanes
BT4 Steroids
BT5 Organic Compounds
BT3 Steroid Hormones
BT4 Hormones

PREDNISONE [01]
DA December 1, 1974
BT1 Glucocorticoids
BT2 Corticosteroids
BT3 Adrenal Hormones
BT4 Hormones
BT3 Hydroxy Compounds
BT4 Organic Compounds
BT3 Ketones
BT4 Organic Compounds
BT3 Pregnanes
BT4 Steroids
BT5 Organic Compounds
BT3 Steroid Hormones
BT4 Hormones

Preequilibrium Nuclear Processes
DA November 1, 1976
USE Precompound-Nucleus Emission

PREFABRICATED BUILDINGS
DA January 7, 1982
UF *Manufactured Buildings*
UF *Metal Buildings*
BT1 Buildings
RT Mobile Homes

Preferred Orientation
DA December 1, 1974
USE Grain Orientation

PREFERRED SPECIES [01]
DA April 19, 1976
RT Gramineae
RT Land Reclamation
RT Plants
RT Revegetation
DEF Species suited for revegetation of reclaimed land, depends on soil, climate and topography.

PREGNANCY [01]
DA December 1, 1974
RT Abortion
RT Embryos
RT Fetuses
RT Gynecology
RT HPL
RT Life Cycle
RT Parturition
RT Placenta
RT Prenatal Exposure
RT Prenatal Irradiation
RT Progesterone
RT Reproduction
RT Reproductive Disorders
RT Uterus

PREGNANEDIOL [01]
DA November 25, 1980
BT1 Hydroxy Compounds
BT2 Organic Compounds
BT1 Pregnanes
BT2 Steroids
BT3 Organic Compounds
RT Metabolites
RT Progesterone

PREGNANES [01]
DA December 1, 1974
BT1 Steroids
BT2 Organic Compounds
* **NT1** Corticosteroids
NT1 Hydroxypregnenone
NT1 Pregnanediol
NT1 Pregnanetriol
NT1 Progesterone

PREGNANETRIOL [01]
DA November 25, 1980
BT1 Hydroxy Compounds
BT2 Organic Compounds
BT1 Pregnanes
BT2 Steroids
BT3 Organic Compounds
RT Metabolites
RT Progesterone

Pregnenolone
DA December 1, 1974
USE Hydroxypregnenone

Preheating
DA June 6, 1979
USE Heat Treatments

PRENATAL EXPOSURE [01]
DA May 6, 1980
NT1 Prenatal Irradiation
RT Biological Effects
RT Biological Stress
RT Fetuses
RT Pregnancy

PRENATAL IRRADIATION [01]
DA December 1, 1974
UF *In Utero Irradiation*
BT1 Irradiation
BT1 Prenatal Exposure
RT Embryos
RT Fetuses
RT Perinatal Irradiation
RT Pregnancy

PRENFLO PROCESS
(Pressurized entrained flow gasification process derived from Koppers-Totzek atmmospheric pressure process.)
DA May 31, 1989
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes

PREONS [01]
DA August 20, 1984
BT1 Postulated Particles
BT2 Elementary Particles
RT Color Model
RT Composite Models
RT Leptons
RT Quarks

Preparation (Chemical)
DA December 1, 1974
USE Chemical Preparation

Preparation (Sample)
DA December 1, 1974
USE Sample Preparation

PRESENT WORTH METHOD [01]
DA December 1, 1974
RT Cost
RT Fuel Cycle
RT Power Reactors

PRESERVATION [01]
DA December 1, 1974
NT1 Radiopreservation
RT Bacterial Spores
RT Cultural Objects
RT Disinfestation
RT Food
RT Fumigants
RT Grain Disinfestation
RT IFIP
RT Inactivation
RT Irradiation
RT Organoleptic Properties
RT Pasteurization
RT Preservatives
RT Sterilization
RT Wholesomeness

PRESERVATIVES
DA December 16, 1975
SF *Chemicals*
RT Additives
RT Creosote
RT Dioxin
RT Preservation

PRESSES [01]
DA December 1, 1974
RT Extrusion
RT Forging
RT Machine Tools
RT Pressing
RT Tools

PRESSING [01]
DA December 1, 1974
BT1 Materials Working
BT2 Fabrication
NT1 Cold Pressing
NT1 Hot Pressing
RT Compacting
RT Dies
RT Extrusion
RT Forging
RT Presses

Pressure (1-760 Torr)
DA December 1, 1974
USE Low Pressure

Pressure (0.1-10 MPa)
DA August 12, 1980
USE Medium Pressure

Pressure (1-10(-3) Torr)
DA December 1, 1974
USE Medium Vacuum

Pressure (10-100 MPa)
DA August 12, 1980
USE High Pressure

Pressure (100 MPa and Above)
DA August 12, 1980
USE Very High Pressure

Pressure (133-0.13 Pa)
DA August 12, 1980
USE Medium Vacuum

Pressure (133 Pa-0.1 MPa)
DA August 12, 1980
USE Low Pressure

Pressure (0001-0100 Atm)
DA December 1, 1974
USE Medium Pressure

Pressure (0100-1000 Atm)
DA December 1, 1974
USE High Pressure

Pressure (1000 Atm and above)
DA December 1, 1974
USE Very High Pressure

Pressure (Critical)
DA December 1, 1974
USE Critical Pressure

Pressure (Plasma)
DA June 16, 1975
USE Plasma Pressure

Pressure (Radiation)
DA December 1, 1974
USE Radiation Pressure

Pressure (Vapor)
DA December 1, 1974
USE Vapor Pressure

PRESSURE COEFFICIENT [01]
DA December 1, 1974
BT1 Reactivity Coefficients

PRESSURE CONTROL [01]
DA January 22, 1975
BT1 Control

PRESSURE DEPENDENCE [01]
DA December 1, 1974
UF *Pressure Effects*
RT High Pressure
RT High Vacuum
RT Low Pressure
RT Medium Pressure
RT Medium Vacuum
RT Pressure Drop
RT Ultrahigh Vacuum
RT Very High Pressure

PRESSURE DROP [01]
DA December 1, 1974
RT Flow Rate
RT Fluid Flow
RT Pressure Dependence
RT Pressure Gradients

Pressure Effects
(Prior to June 1993, this was a valid descriptor.)
DA March 19, 1984
USE Pressure Dependence

PRESSURE GAGES [01]
DA December 1, 1974
UF *Gages (Pressure)*
UF *Manometers*
BT1 Measuring Instruments
NT1 Barometers
NT1 Hot-Wire Gages
NT2 Pirani Gages
* **NT1** Vacuum Gages
RT Pressure Measurement

PRESSURE GRADIENTS [01]
DA January 28, 1975
RT Onsager Relations
RT Pressure Drop
RT Pressure Measurement
RT Pressure Regulators
RT Pressure Suppression
RT Pressurization

Pressure Groups
DA December 8, 1980
USE Interest Groups

Pressure Maintenance
DA July 7, 1976
USE Pressurization

PRESSURE MEASUREMENT [01]
DA December 1, 1974
NT1 Piezometry
RT Atmospheric Pressure
RT Geobarometry
RT Pressure Gages
RT Pressure Gradients

PRESSURE REGULATORS [01]
DA December 1, 1974
BT1 Control Equipment
BT2 Equipment
RT Pressure Gradients

PRESSURE RELEASE [01]
DA December 1, 1974
RT Hazards
RT Reactor Safety
RT Safety Engineering

PRESSURE SUPPRESSION [01]
DA December 1, 1974
RT Condensation Chambers
RT Containment Spray Systems
RT Pressure Gradients
RT Pressure Vessels
RT Reactor Accidents
RT Reactor Safety

PRESSURE TUBE REACTORS [01]
DA December 1, 1974
BT1 Reactors
NT1 Atucha-2 Reactor
* **NT1** Candu Type Reactors
NT1 EL-4 Reactor
NT1 Lucens Reactor
NT1 PRTR Reactor
RT Power Reactors

PRESSURE TUBES [01]
DA December 1, 1974
BT1 Tubes
RT Borescopes
RT Calandrias
RT Reactor Cooling Systems

PRESSURE VESSELS [01]
DA December 1, 1974
UF *Vessels (Pressure)*
BT1 Containers
RT Autoclaves
RT Depressurization
RT Depressurization Systems
RT Pipe Fittings
RT Pressure Suppression

PRESSURIZATION [01]
(Prior to November 1990 this material was indexed to Pressurizing.)
DA July 7, 1976
UF *Pressure Maintenance*
UF *Pressurizing*
UF *Repressuring*
RT Compression
RT Depressurization
RT Fluid Injection
RT Pressure Gradients
RT Pressurizers
RT Transients

Pressurized Heavy Water Cooled/Moderated Reactor
DA December 1, 1974
USE PHWR Type Reactors

Pressurized Subcritical Experiment Savannah
DA December 1, 1974
USE PSE Reactor

Pressurized Water Cooled Moderated Reactor
DA December 1, 1974
USE PWR Type Reactors

Pressurized Water Reactors
DA December 1, 1974
USE PWR Type Reactors

PRESSURIZERS [01]
DA December 1, 1974
RT Compressors
RT Pressurization
RT Reactor Cooling Systems

Pressurizing
(Prior to November 1990 this was a valid descriptor.)
DA July 7, 1976
USE Pressurization

PRESTRESSED CONCRETE [01]
DA December 1, 1974
BT1 Composite Materials
BT2 Materials
BT1 Concretes
BT2 Building Materials
BT3 Materials

PREVENTION OF SIGNIFICANT DETERIORATION
DA July 24, 1979
UF *PSD*
BT1 Pollution Regulations
BT2 Regulations
RT Air Pollution Abatement
RT Air Quality
RT Aquatic Ecosystems
RT Environment
RT Land Pollution Abatement
RT Pollution Abatement
RT Terrestrial Ecosystems
RT Water Pollution Abatement
RT Water Quality
DEF US pollution regulation resulting from the Clean Air and Clean Water Acts of 1976 and 1980 respectively.

PREVENTIVE MEDICINE [01]
DA December 1, 1974
UF *Prophylaxis*
BT1 Medicine
RT Accidents
RT Drug Abuse
RT Environment
RT Epidemiology
RT Health Hazards
RT Immunity
RT Inspection
RT Medical Surveillance
RT Radiation Protection

PRICE-ANDERSON ACT [01]
DA October 13, 1976
BT1 Laws
RT Civil Liability
RT Legal Aspects
RT Nuclear Insurance

PRICES [01]
(Prior to June 1979, CHARGES was used.)
DA December 1, 1974
NT1 Incremental-Cost Pricing
NT1 Marginal-Cost Pricing
NT1 Peak-Load Pricing
NT1 Retail Prices

NT1 Rolled-In Pricing
NT1 Time-of-Use Pricing
NT1 Wellhead Prices
NT1 Wholesale Prices
RT Charges
RT Consumer Price Index
RT Cost
RT Economic Elasticity
RT Energy Expenses
RT Entitlements Program
RT Income
RT Pricing Regulations
RT Rate Structure
RT Retailers
RT Spot Market
RT Wholesale Price Index

PRICING REGULATIONS [01]
DA November 23, 1979
BT1 Regulations
RT Deregulation
RT Economic Policy
RT Prices
RT US Natural Gas Policy Act

Prigogine-Balescu Theory
DA December 1, 1974
USE Prigogine Theorem

PRIGOGINE THEOREM [01]
DA December 1, 1974
UF *Balescu Theory*
UF *Prigogine-Balescu Theory*
UF *Van Hove-Prigogine Theory*
RT Irreversible Processes

PRIMAKOFF EFFECT [01]
DA December 1, 1974
BT1 Photoproduction
BT2 Electromagnetic Interactions
BT3 Basic Interactions
BT4 Interactions
BT2 Particle Interactions
BT3 Interactions
BT2 Particle Production
RT Pions Neutral

PRIMAKOFF THEORY [01]
DA December 1, 1974
RT Fermi Interactions

PRIMARY BATTERIES
DA May 17, 1976
RT Electric Batteries
RT Electrochemical Cells

PRIMARY COOLANT CIRCUITS [01]
DA December 1, 1974
BT1 Reactor Cooling Systems
BT2 Cooling Systems
BT3 Energy Systems
BT2 Reactor Components
NT1 Coolant Cleanup Systems
RT Electromagnetic Filters

PRIMARY COSMIC RADIATION [01]
DA December 1, 1974
BT1 Cosmic Radiation
BT2 Ionizing Radiations
BT3 Radiations
NT1 Cosmic Alpha Particles
NT1 Cosmic Gamma Bursts
NT1 Cosmic Nuclei
NT1 Cosmic X-Ray Bursts
RT Cosmic Gamma Sources
RT Cosmic Ray Sources
RT Cosmic X-Ray Sources

PRIMARY RECOVERY
DA February 23, 1979
UF *Natural Depletion*
SF *Recovery*
RT Natural Gas
RT Petroleum

PRIMARY-SECONDARY HYBRID BATTERIES
DA February 19, 1975
BT1 Electric Batteries
BT2 Electrochemical Cells
DEF Hybrid system consisting of a primary battery and a rechargeable battery.

PRIMATES [01]
DA December 1, 1974
BT1 Mammals
BT2 Vertebrates
BT3 Animals
NT1 Apes
NT1 Man
NT2 Men
NT2 Personnel
NT3 Astronauts
NT3 Aviation Personnel
NT3 Builders
NT3 Clerical Personnel
NT3 Contractor Personnel
NT3 Craftsmen
NT3 Dial Painters
NT3 Medical Personnel
NT4 Radiological Personnel
NT3 Military Personnel
NT3 Miners
NT4 Coal Miners
NT3 Motor Vehicle Operators
NT3 Professional Personnel
NT4 Architects
NT4 Consultants
NT4 Engineers
NT4 Scientific Personnel
NT3 Reactor Operators
NT3 Security Personnel
NT2 Women
NT1 Monkeys
NT2 Baboons
NT2 Macacus

PRIMENE [01]
DA December 1, 1974
BT1 Amines
BT2 Organic Compounds

PRINCE EDWARD ISLAND [01]
DA July 23, 1980
BT1 Canada
BT2 Developed Countries
BT2 North America
BT1 Islands
RT Atlantic Ocean

PRINCETON CYCLOTRON [01]
DA December 1, 1974
BT1 Isochronous Cyclotrons
BT2 Cyclotrons
BT3 Cyclic Accelerators
BT4 Accelerators

Princeton Large Torus
DA August 19, 1975
USE PLT Devices

PRINCETON SYNCHROTRON [01]
DA December 1, 1974
BT1 Synchrotrons
BT2 Cyclic Accelerators
BT3 Accelerators

PRINTED CIRCUITS [01]
DA December 1, 1974
BT1 Electronic Circuits
RT Microelectronic Circuits

PRINTING AND PUBLISHING INDUSTRY
DA December 10, 1979
BT1 Industry
RT Paper Industry
RT Wood Products Industry

→**PRIPET RIVER [01]**
DA September 21, 1992
UF *Pripyat River*
BT1 Rivers
BT2 Streams
BT3 Surface Waters
RT Chernobylsk-4 Reactor
RT Dnieper River
RT Ukraine

Pripyat River
DA September 21, 1992
USE Pripet River

PRISM PLOT [01]
DA October 19, 1977
BT1 Scatterplots
BT2 Diagrams
RT Linear Momentum
RT Phase Space
RT Resonance Particles

PRISMATIC CONFIGURATION [01]
DA December 1, 1974
BT1 Configuration
RT Plates
RT Slabs

PRISMS
DA February 19, 1976
RT Geometry
RT Shape

PRIVACY ACT
(The U. S. Privacy Act of 1974.)
DA October 13, 1976
BT1 Laws
RT Documentation
RT Information

PRNC-L-77 REACTOR [01]
(University of Puerto Rico, College Station, Mayaguez, Puerto Rico, USA.)
DA December 1, 1974
UF *L-77 Puerto Rico Reactor*
UF *Mayaguez Puerto Rico L-77 Reactor*
UF *Puerto Rico Nuclear Center L-77 Reactor*
BT1 Aqueous Homogeneous Reactors
BT2 Liquid Homogeneous Reactors
BT3 Fluid Fueled Reactors
BT4 Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors

PROBABILISTIC ESTIMATION [01]
DA January 21, 1983
RT Probability
RT Resource Assessment
RT Safety Analysis
RT Statistics
DEF Analytical technique for assessment of unknown quantities and the uncertainty associated with the estimates of those quantities.

PROBABILITY [01]
DA December 1, 1974
RT Ergodic Hypothesis
RT Expectation Value
RT Fuzzy Logic
RT Game Theory
RT Maximum-Likelihood Fit
RT Monte Carlo Method
RT Probabilistic Estimation
RT Risk Assessment
RT Statistical Data
RT Statistics

PROBES [01]
DA December 1, 1974
UF *Sondes*
NT1 Deuteron Probes
NT1 Electric Probes
NT2 Langmuir Probe
NT2 Plasma Eaters
NT1 Electron Probes

NT1 Electrostatic Probes
NT1 Ion Probes
NT1 Magnetic Probes
NT1 Muon Probes
NT1 Neutron Probes
NT1 Proton Probes
NT1 Sonic Probes
RT Measuring Instruments
RT Well Logging Equipment

PROCA EQUATIONS [01]
DA December 1, 1974
BT1 Partial Differential Equations
BT2 Differential Equations
BT3 Equations
RT Quantum Mechanics

PROCAINE [01]
DA December 1, 1974
UF *Novocaine*
BT1 Anesthetics
BT2 Central Nervous System Depressants
BT3 Drugs

PROCEEDINGS [01]
DA December 1, 1974
BT1 Document Types
RT Meetings

PROCESS COMPUTERS [01]
DA May 25, 1979
BT1 Computers
RT On-Line Control Systems
RT Reactor Control Systems
RT Real Time Systems

PROCESS CONTROL
DA December 16, 1975
BT1 Control
RT Ore Processing
RT Processing
RT Reprocessing
RT Waste Processing

Process Development Pile
DA December 1, 1974
USE PDP Reactor

PROCESS DEVELOPMENT UNITS
DA January 10, 1977
UF *PDU*
BT1 Functional Models
RT Bench-Scale Experiments
RT Demonstration Plants
RT Field Tests
RT Pilot Plants

PROCESS HEAT [01]
DA September 12, 1975
BT1 Heat
BT2 Energy
NT1 Geothermal Process Heat
NT1 Solar Process Heat
RT Dual-Purpose Power Plants
RT Solar Heating
DEF Heat for industrial processes

PROCESS HEAT REACTORS [01]
DA December 1, 1974
BT1 Reactors
NT1 Agesta Reactor
NT1 Midland-1 Reactor
NT1 Midland-2 Reactor
NT1 PM-2A Reactor
NT1 SER Reactor
NT1 SL-1 Reactor
NT1 Slowpoke-WNRE Reactor
NT1 SM-1A Reactor
NT1 Snap 4 Reactor
NT1 SNAP 10 Reactor
NT2 S10FS-1 Reactor
NT2 S10FS-3 Reactor
NT2 S10FS-4 Reactor
NT1 SNAP-TSF Reactor
NT1 Thermos Reactor
NT1 THR Reactor
RT Power Reactors

PROCESS SOLUTIONS [01]
DA April 27, 1978
UF *Plating Solutions*
BT1 Solutions
BT2 Mixtures
BT3 Dispersions

Processes (Adiabatic)
DA December 1, 1974
USE Adiabatic Processes

Processes (Isentropic)
DA December 1, 1974
USE Isentropic Processes

Processes (Isothermal)
DA December 1, 1974
USE Isothermal Processes

PROCESSING
(Use of one of the more specific terms listed below is recommended.)
DA December 1, 1974
NT1 Coprocessing
NT1 Data Processing
NT2 Distributed Data Processing
NT2 Spectra Unfolding
NT2 Task Scheduling
NT1 Food Processing
NT1 Image Processing
NT1 In-Situ Processing
NT2 In-Situ Combustion
NT2 In-Situ Gasification
NT2 In-Situ Liquefaction
NT2 In-Situ Retorting
NT1 Odorization
NT1 Ore Processing
NT2 Ore Enrichment
NT1 Refining
NT2 Aurabon Process
NT2 Electrorefining
NT2 Gulf HDS Process
NT2 Zone Refining
NT1 Waste Processing
NT2 Activated Sludge Process
NT2 Anaerobic Digestion
NT3 BIOGAS Process
NT2 Baille Process
NT2 Black Clawson System
NT2 Caloricon Process
NT2 CITREX Process
NT2 Composting
NT2 CYAM Process
NT2 Destrugas Process
NT2 Flame Chamber Process
NT2 Fluidized Bed Refuse Gasification
NT2 Hichlor Process
NT2 Landgard Pyrolysis System
NT2 Lime-Soda Sinter Process
NT2 Materials Recovery
NT2 Molten Salt Waste Gasification Process
NT2 Occidental Flash Pyrolysis Process
NT2 Purox Pyrolysis Process
NT2 Radioactive Waste Processing
NT3 Aralex Process
NT3 Harvest Process
NT3 Iodox Process
NT3 MEDEC Process
NT3 OPIX Process
NT3 SYNROC Process
NT2 Slagging Pyrolysis Process
NT2 Steam Stripping
NT2 Syngas Process
NT2 UNISULF Process
NT2 Wet Oxidation Processes
RT Process Control

Processing (Data)
DA December 1, 1974
USE Data Processing

Processing (Ores)
DA December 1, 1974
USE Ore Processing

Processing (Wastes)
DA December 1, 1974
USE Waste Processing

PROCTITIS [01]
DA December 1, 1974
BT1 Digestive System Diseases
BT2 Diseases
RT Rectum

PROCUREMENT [01]
DA April 19, 1976
RT Accounting
RT Cost
RT Cost Overruns
RT Debt Collection
RT Goods and Services
RT Proposals
RT Time Delay

PRODUCER GAS
(130 to 140 Btu/ft^3.)
DA January 24, 1975
BT1 Low BTU Gas
BT2 Fuel Gas
BT3 Gas Fuels
BT4 Fuels
BT3 Gases
BT4 Fluids
DEF Gas manufactured by the action of air and steam on coke or coal.

Producer Price Index
DA October 24, 1981
USE Wholesale Price Index

PRODUCT LABELING
DA March 27, 1979
RT Advertising
RT Consumer Protection

PRODUCTION [01]
DA December 1, 1974
UF *Output*
RT Availability
RT Capacity
RT Computer-Aided Manufacturing
RT Fabrication
RT Gross Domestic Product
RT Gross National Product
RT Isotope Production
RT Manufacturing
RT Planning
RT Productivity

Production (Beam)
DA December 1, 1974
USE Beam Production

Production (Hydrogen)
DA November 8, 1980
USE Hydrogen Production

Production (Isotope)
DA July 9, 1980
USE Isotope Production

Production (Pair)
DA November 8, 1980
USE Pair Production

Production (Particle)
DA July 9, 1980
USE Particle Production

Production (Plasma)
DA November 8, 1980
USE Plasma Production

Production Capacity
DA June 2, 1977
USE Capacity

PRODUCTION LOGGING
DA January 10, 1977
BT1 Well Logging
DEF Logging run inside tubing to measure production rate of oil or natural gas wells. Instrumentation may be flowmeters, gradiomanometer, densitometer, watercutmeter, thermometer, radioactive tracer tool, caliper, casing-collar locator, or fluid sampler.

PRODUCTION MECHANISMS
DA February 26, 1975
RT Hydrodynamic Model

PRODUCTION REACTORS [01]
(For the production of fissile materials only; see also IRRADIATION REACTORS.)
DA December 1, 1974
BT1 Reactors
* **NT1** Plutonium Production Reactors
NT1 RTR Reactor
* **NT1** Special Production Reactors
NT1 SR-305 Reactor

Production Risers
DA April 12, 1977
USE Marine Risers

Production Tax
DA March 17, 1981
USE Severance Tax

PRODUCTIVITY [01]
DA December 1, 1974
UF *Yield (Biological)*
RT Efficiency
RT Feasibility Studies
RT Gas Yields
RT Oil Yields
RT Performance
RT Plant Breeding
RT Production
RT Revegetation
RT Yields

Productivity Factor
DA January 21, 1983
USE Formation Damage

PROFESSIONAL PERSONNEL
DA March 28, 1979
BT1 Personnel
BT2 Man
BT3 Primates
BT4 Mammals
BT5 Vertebrates
BT6 Animals
NT1 Architects
NT1 Consultants
NT1 Engineers
NT1 Scientific Personnel
RT Education
RT Occupations
RT Work

Professions
DA December 1, 1974
USE Occupations

PROFITS [01]
DA January 22, 1975
UF *Margins*
RT Economics
RT Income
RT Royalties
RT Windfall Profits Tax

PROFLAVINE [01]
DA December 1, 1974
BT1 Flavines
BT2 Acridines
BT3 Azaarenes
BT4 Aromatics
BT5 Organic Compounds
BT4 Heterocyclic Compounds
BT5 Organic Compounds
BT4 Organic Nitrogen Compounds
BT5 Organic Compounds
BT3 Pyridines
BT4 Azines
BT5 Heterocyclic Compounds
BT6 Organic Compounds
BT5 Organic Nitrogen Compounds
BT6 Organic Compounds
BT2 Amines
BT3 Organic Compounds
BT1 Mutagens
RT Acriflavine

PROGENY [01]
DA December 1, 1974
UF *Offsprings*
RT Animal Breeding
RT Children
RT Fertility
RT Litter Size
RT Parturition
RT Reproduction
RT Sex Ratio

PROGESTERONE [01]
DA December 1, 1974
UF *Progestin*
BT1 Ketones
BT2 Organic Compounds
BT1 Pregnanes
BT2 Steroids
BT3 Organic Compounds
BT1 Steroid Hormones
BT2 Hormones
RT Hydroxypregnenone
RT LTH
RT Ovaries
RT Pregnancy
RT Pregnanediol
RT Pregnanetriol

Progestin
DA October 23, 1978
USE Progesterone

PROGNOZ SATELLITES [01]
DA December 1, 1974
BT1 Satellites

→**PROGRAM MANAGEMENT [01]**
(From February to May 1992, this concept was indexed to US DOE Program Management.)
DA May 18, 1992
UF *Financial Management*
UF *Project Management*
UF *US DOE Program Management*
BT1 Management
NT1 Contract Management
RT Demonstration Programs
RT Property Management
RT Research Programs

PROGRAMMING [01]
(Limited to computer programming.)
DA December 1, 1974
UF *Computer Programming*
NT1 Data-Flow Processing
NT1 Dynamic Programming
NT1 Linear Programming
NT1 Nonlinear Programming
NT1 Parallel Processing
NT1 Vector Processing
RT Artificial Intelligence
RT Computer Codes
RT Computer Program Documentation
RT Computers
RT Executive Codes
RT Expert Systems
RT Fault Tolerant Computers
RT Knowledge Base
RT Memory Management
RT Programming Languages
RT Translators

PROGRAMMING LANGUAGES [01]
DA December 1, 1974
UF *Computer Languages*
UF *Languages (Programming)*
NT1 Ada
NT1 ALGOL
NT1 Basic
NT1 COBOL
NT1 Forth
NT1 FORTRAN
NT1 LISP
NT1 Mimic
NT1 Natural Language
NT1 PASCAL
NT1 PL-1 Language
NT1 PL-11 Language
NT1 PROLOG
NT1 SPEAKEASY
RT Computer Codes
RT Computer Program Documentation
RT Programming
RT Translators

PROGRESS REPORT [01]
(Use only in conjunction with the literary indicator Y for indexing progress reports.)
DA October 23, 1987
BT1 Document Types

PROHIBITION ORDERS
DA August 12, 1980
BT1 Decisions and Orders
BT2 Administrative Procedures

Project (Buffalo)
DA December 1, 1974
USE Buffalo Project

Project (Castle)
DA December 1, 1974
USE Castle Project

Project (Crossroads)
DA December 1, 1974
USE Crossroads Project

Project (Dominic)
DA December 1, 1974
USE Dominic Project

Project (Greenhouse)
DA December 1, 1974
USE Greenhouse Project

Project (Hardtack)
DA December 1, 1974
USE Hardtack Project

Project (Ivy)
DA December 1, 1974
USE Ivy Project

Project (Jangle)
DA December 1, 1974
USE Jangle Project

Project (Plowshare)
DA December 1, 1974
USE Plowshare Project

Project (Plumbbob)
DA December 1, 1974
USE Plumbbob Project

Project (Upshot)
DA December 1, 1974
USE Upshot Project

Project (Vela)
DA December 1, 1974
USE Vela Project

Project Apollo
DA December 1, 1974
USE Apollo Project

PROJECT INDEPENDENCE
DA February 19, 1975
BT1 Energy Policy
BT2 Government Policies

Project Independence Evaluation System
DA February 23, 1979
USE PIES

Project Management
DA September 5, 1980
USE Program Management

Project Salt Vault
DA December 8, 1980
USE Salt Vault Project

Project Sunshine
DA May 17, 1976
USE Sunshine Project

Project Thunderbird
DA November 26, 1975
USE Thunderbird Project

PROJECTILES [01]
DA February 26, 1975
RT Armor
RT Earth Penetrators
RT Guns

PROJECTION OPERATORS [01]
DA December 1, 1974
BT1 Mathematical Operators
RT Aligned Coupling Scheme
RT Quantum Mechanics
RT Wave Functions
DEF A mathematical operator for projecting a quantity, e.g., angular momentum, on a given coordinate.

PROJECTION SERIES
DA August 12, 1980
BT1 Energy Models
BT1 Forecasting
RT Mathematical Models

PROJECTION SPARK CHAMBERS [01]
DA December 1, 1974
BT1 Spark Chambers
BT2 Gas Track Detectors
BT3 Radiation Detectors
BT4 Measuring Instruments
RT Drift Chambers
RT Fermilab Collider Detector
RT Multiwire Proportional Chambers
RT Time Projection Chambers
DEF Charged-particle detector that provides particle identification through ionizationn loss sampling as well as three-dimensional particle trajectory measurement.

PROJECTION WELDING [01]
DA December 1, 1974
BT1 Resistance Welding
BT2 Welding
BT3 Joining
BT4 Fabrication

Projectors (Scanning)
DA December 1, 1974
USE Scanning Measuring Projectors

Prolactin
DA December 1, 1974
USE LTH

PROLIFERATION [01]
DA August 9, 1977
UF *Nuclear Weapons Proliferation*
RT Denatured Fuel
RT Fuel Cycle
RT Non-Proliferation Policy
RT Non-Proliferation Treaty
RT Nuclear Deterrence
RT Safeguards

Proliferation Resistant Molten Salt/Metal Extraction
DA September 26, 1979
USE PROMEX Process

PROLINE [01]
DA December 1, 1974
UF *2-Pyrrolidinecarboxylic Acid*
BT1 Amino Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT1 Heterocyclic Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT2 Heterocyclic Compounds
BT3 Organic Compounds
BT1 Pyrrolidines
BT2 Amines
BT3 Organic Compounds
BT2 Pyrroles
BT3 Azoles
BT4 Heterocyclic Compounds
BT5 Organic Compounds
BT4 Organic Nitrogen Compounds
BT5 Organic Compounds
RT Collagen
RT Hydroxyproline

PROLOG [01]
DA December 11, 1985
BT1 Programming Languages

Promazine
DA December 1, 1974
USE Tranquilizers

PROMETHAZINE
DA April 20, 1981
BT1 Antihistaminics
BT2 Drugs

PROMETHIUM [01]
DA December 1, 1974
UF *Illinium*
BT1 Rare Earths
BT2 Metals
BT3 Elements

PROMETHIUM 130 [01]
DA August 8, 1985
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Promethium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

PROMETHIUM 132 [01]
DA October 20, 1977
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Promethium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

PROMETHIUM 133 [01]
DA October 20, 1977
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Promethium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

PROMETHIUM 134 [01]
DA June 3, 1977
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Promethium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

PROMETHIUM 135 [01]
DA March 12, 1976
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Promethium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

PROMETHIUM 136 [01]
DA February 19, 1975
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Promethium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

PROMETHIUM 137 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Promethium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

PROMETHIUM 138 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes

BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Promethium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

PROMETHIUM 139 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Promethium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

PROMETHIUM 140 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Promethium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

PROMETHIUM 141 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Promethium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

PROMETHIUM 142 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Promethium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

PROMETHIUM 143 [01]
DA December 1, 1974
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Promethium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

PROMETHIUM 144 [01]
DA December 1, 1974
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Promethium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

PROMETHIUM 145 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Promethium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

PROMETHIUM 145 TARGET [01]
DA April 29, 1986
BT1 Targets

PROMETHIUM 146 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Promethium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

PROMETHIUM 147 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Promethium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

PROMETHIUM 147 TARGET [01]
DA January 15, 1980
BT1 Targets

PROMETHIUM 148 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Promethium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

PROMETHIUM 149 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Promethium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

PROMETHIUM 149 TARGET [01]
DA July 12, 1976
BT1 Targets

PROMETHIUM 150 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Promethium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

PROMETHIUM 151 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Promethium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

PROMETHIUM 152 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Promethium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

PROMETHIUM 153 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Promethium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

PROMETHIUM 154 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Promethium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

PROMETHIUM 155 [01]
DA September 8, 1981
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Promethium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

PROMETHIUM 156 [01]
DA November 20, 1986
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Promethium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

PROMETHIUM 157 [01]
DA October 2, 1987
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Promethium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

PROMETHIUM 158 [01]
DA October 2, 1987
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Promethium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

PROMETHIUM ADDITIONS [01]
DA December 1, 1974
BT1 Promethium Alloys
BT2 Rare Earth Alloys
BT3 Alloys
BT1 Rare Earth Additions
BT2 Rare Earth Alloys
BT3 Alloys

PROMETHIUM ALLOYS [01]
DA December 1, 1974
BT1 Rare Earth Alloys
BT2 Alloys
NT1 Promethium Additions
NT1 Promethium Base Alloys

PROMETHIUM BASE ALLOYS [01]
DA December 1, 1974
BT1 Promethium Alloys
BT2 Rare Earth Alloys
BT3 Alloys

PROMETHIUM BROMIDES [01]
DA April 8, 1975
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Promethium Compounds
BT2 Rare Earth Compounds

PROMETHIUM CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Promethium Compounds
BT2 Rare Earth Compounds

PROMETHIUM COMPLEXES [01]
DA December 1, 1974
BT1 Rare Earth Complexes
BT2 Complexes

PROMETHIUM COMPOUNDS [01]
DA December 1, 1974
BT1 Rare Earth Compounds
NT1 Promethium Bromides
NT1 Promethium Chlorides
NT1 Promethium Fluorides
NT1 Promethium Hydroxides
NT1 Promethium Iodides
NT1 Promethium Nitrates
NT1 Promethium Oxides
NT1 Promethium Phosphates

PROMETHIUM FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Promethium Compounds
BT2 Rare Earth Compounds

PROMETHIUM HYDROXIDES
DA January 22, 1975
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds
BT1 Promethium Compounds
BT2 Rare Earth Compounds

PROMETHIUM IODIDES [01]
DA April 8, 1975
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds
BT1 Promethium Compounds
BT2 Rare Earth Compounds

PROMETHIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

PROMETHIUM ISOTOPES [01]
DA December 1, 1974
BT1 Rare Earth Isotopes
BT2 Isotopes
NT1 Promethium 130
NT1 Promethium 132
NT1 Promethium 133
NT1 Promethium 134
NT1 Promethium 135
NT1 Promethium 136
NT1 Promethium 137
NT1 Promethium 138
NT1 Promethium 139
NT1 Promethium 140
NT1 Promethium 141
NT1 Promethium 142
NT1 Promethium 143
NT1 Promethium 144
NT1 Promethium 145
NT1 Promethium 146
NT1 Promethium 147
NT1 Promethium 148
NT1 Promethium 149
NT1 Promethium 150
NT1 Promethium 151
NT1 Promethium 152
NT1 Promethium 153
NT1 Promethium 154

NT1 Promethium 155
NT1 Promethium 156
NT1 Promethium 157
NT1 Promethium 158

PROMETHIUM NITRATES [01]
DA December 1, 1974
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds
BT1 Promethium Compounds
BT2 Rare Earth Compounds

PROMETHIUM OXIDES [01]
DA December 1, 1974
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds
BT1 Promethium Compounds
BT2 Rare Earth Compounds

PROMETHIUM PHOSPHATES [01]
DA December 1, 1974
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds
BT1 Promethium Compounds
BT2 Rare Earth Compounds

PROMEX PROCESS
DA September 26, 1979
UF *Proliferation Resistant Molten Salt/Metal Extraction*
BT1 Reprocessing
BT2 Separation Processes
DEF Method for reprocessing ceramic oxide or carbide fuels using extraction by molten salts followed by liquid metal extraction.

Prominences (Solar)
DA December 1, 1974
USE Solar Prominences

PROMOTERS
DA May 6, 1975
NT1 Tumor Promoters
RT Catalysts

PROMPT ELECTRONS [01]
DA April 4, 1975
BT1 Electrons
BT2 Leptons
BT3 Elementary Particles
BT3 Fermions

PROMPT GAMMA RADIATION [01]
DA December 1, 1974
UF+ *PIGE Analysis*
BT1 Gamma Radiation
BT2 Electromagnetic Radiation
BT3 Radiations
BT2 Ionizing Radiations
BT3 Radiations
RT Nuclear Reactions
RT Photons

PROMPT NEUTRONS [01]
DA December 1, 1974
BT1 Fission Neutrons
BT2 Neutrons
BT3 Nucleons
BT4 Baryons
BT5 Fermions
BT5 Hadrons
BT6 Elementary Particles
RT Fission Spectra
RT Watt Fission Spectrum

PROMPT PROTONS [01]
DA December 1, 1974
BT1 Protons
BT2 Nucleons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles

Prongs
DA December 1, 1974
USE Particle Tracks

PRONY METHOD
(Means of obtaining parametric characterization of experimental data by fitting with sum of complex exponentials.)
DA October 3, 1979
BT1 Mathematics
BT1 Parametric Analysis
RT Data Analysis
RT Data Processing
RT Least Square Fit
RT Numerical Analysis

Proof Test Facility United Nuclear Corporation
DA December 1, 1974
USE PTF-UNC Reactor

Propadiene
DA December 1, 1974
USE Allene

Propagation (Wave)
DA December 1, 1974
USE Wave Propagation

PROPAGATOR [01]
DA December 1, 1974
RT Feynman Path Integral
RT Quantum Field Theory

PROPANE [01]
DA December 1, 1974
BT1 Alkanes
BT2 Hydrocarbons
BT3 Organic Compounds

1,2,3-Propanetriol
DA December 1, 1974
USE Glycerol

1-Propanol
DA December 1, 1974
USE Propanols

2-Propanol
DA December 1, 1974
USE Propanols

PROPANOLS [01]
DA December 1, 1974
UF *1-Propanol*
UF *2-Propanol*
UF *Propyl Alcohols*
BT1 Alcohols
BT2 Hydroxy Compounds
BT3 Organic Compounds

Propanone
DA December 1, 1974
USE Acetone

PROPARGYL RADICALS [01]
DA December 1, 1974
BT1 Alkyl Radicals
BT2 Radicals

PROPELLANTS
DA January 22, 1975
RT Ammonium Perchlorates
RT Explosives
RT Hydrogen Fuels
RT Propulsion
RT Rockets
RT Slush

Propenal
DA December 1, 1974
USE Acrolein

Propene
DA December 1, 1974
USE Propylene

PROPER MOTION [01]
DA December 1, 1974
BT1 Motion
RT Stars
DEF Motion of a star with relation to the celestial sphere.

PROPERDIN [01]
DA December 1, 1974
BT1 Complement
BT2 Proteins
BT3 Organic Compounds
BT1 Serine Proteinases
BT2 Peptide Hydrolases
BT3 Hydrolases
BT4 Enzymes
BT5 Proteins
BT6 Organic Compounds
RT Immunity
RT Zymosan
DEF One component of a complement.

Properties (Chemical)
DA April 28, 1978
USE Chemical Properties

Properties (Mechanical)
DA April 28, 1978
USE Mechanical Properties

Properties (Physical)
DA April 28, 1978
USE Physical Properties

PROPERTY MANAGEMENT [01]
DA March 24, 1983
BT1 Management
RT Program Management
RT Resource Management

PROPERTY RIGHTS [01]
DA December 11, 1978
RT Legal Aspects
RT Site Approvals
RT Water Rights

Property Tax Exemption
DA April 14, 1980
USE Financial Incentives

PROPERTY VALUES [01]
DA February 14, 1978
RT Economics
RT Investment
RT Socio-Economic Factors

Prophase
DA December 1, 1974
USE Mitosis

Prophylaxis
DA December 1, 1974
USE Preventive Medicine

Propine
DA December 1, 1974
USE Propyne

PROPIOLONITRILE
DA January 22, 1975
UF *Cyanoacetylene*
BT1 Nitriles
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds

PROPIONIC ACID [01]
DA December 1, 1974
BT1 Monocarboxylic Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds

PROPORTIONAL COUNTERS [01]
DA December 1, 1974
BT1 Radiation Detectors
BT2 Measuring Instruments
NT1 BF3 Counters
NT1 Boron Lined Counters
NT1 He-3 Counters
NT1 Liquid Proportional Counters
NT1 Multiwire Proportional Chambers
NT2 Drift Chambers
NT1 Needle Chambers
NT1 Wall Less Counters
RT Avalanche Quenching
RT Corona Counters
RT Flow Counters
RT Gas Scintillation Detectors

RT Proton Recoil Detectors
RT Wall Effects

PROPOSALS
DA May 21, 1983
UF *Unsolicited Proposals*
RT Contracts
RT Procurement

PROPOSED REMEDIAL ORDERS
DA December 10, 1979
BT1 Decisions and Orders
BT2 Administrative Procedures

PROPPING AGENTS
DA January 10, 1977
RT Borehole Linking
RT Natural Gas Wells
RT Oil Wells
RT Well Completion
DEF A name given to materials (generally sand or other rock material) used to prop the artificial crevices formed when underground formations are fractured.

PROPRIETARY INFORMATION
DA March 24, 1983
BT1 Information
RT Information Dissemination

PROPULSION [01]
DA December 1, 1974
NT1 Ion Propulsion
NT1 Solar Electric Propulsion
RT Ion Thrusters
RT Propellants
RT Propulsion Reactors
RT Propulsion Systems
RT Thrusters
RT Transport

PROPULSION REACTORS [01]
DA December 1, 1974
SF *710 Reactor*
BT1 Reactors
NT1 Aircraft Propulsion Reactors
NT2 XMA-1 Reactor
* **NT1** Ship Propulsion Reactors
* **NT1** Space Propulsion Reactors
NT1 Tory-2A Reactor
NT1 Tory 2C Reactor
NT1 XE-Prime Reactor
RT Propulsion
RT ZPR-9 Reactor

PROPULSION SYSTEMS [01]
DA October 24, 1981
RT Missiles
RT Propulsion
RT Rockets
RT Thrusters
RT Vehicles

Propyl Alcohols
DA December 1, 1974
USE Propanols

PROPYL RADICALS [01]
DA December 1, 1974
BT1 Alkyl Radicals
BT2 Radicals

PROPYLENE [01]
DA December 1, 1974
UF *Propene*
BT1 Alkenes
BT2 Hydrocarbons
BT3 Organic Compounds
RT Polypropylene

Propylene Carbonate
DA December 8, 1980
USE Carbonic Acid Esters

PROPYNE [01]
DA December 1, 1974
UF *Methylacetylene*
UF *Propine*
BT1 Alkynes
BT2 Hydrocarbons
BT3 Organic Compounds

PROSPECTING [01]
DA December 1, 1974
NT1 Aerial Prospecting
RT Exploration
RT Geochemical Surveys
RT Geophysical Surveys

PROSTAGLANDINS [01]
DA December 1, 1974
RT Hormones
RT Prostate

PROSTATE [01]
DA December 1, 1974
BT1 Glands
BT2 Organs
BT3 Body
BT1 Male Genitals
BT2 Organs
BT3 Body
RT Prostaglandins

PROSTHESES [01]
DA December 1, 1974
BT1 Medical Supplies
NT1 Mechanical Heart
NT1 Mechanical Kidney
RT Cardiac Pacemakers
RT Surgical Materials

PROTACTINIUM [01]
DA December 1, 1974
BT1 Actinides
BT2 Metals
BT3 Elements

PROTACTINIUM 215 [01]
DA October 23, 1979
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Protactinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

PROTACTINIUM 216 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Protactinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

PROTACTINIUM 217 [01]
DA January 22, 1975
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Protactinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

PROTACTINIUM 218 [01]
DA November 10, 1977
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Microsec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Protactinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

PROTACTINIUM 219 [01]
DA February 24, 1987
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Nanosec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Protactinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

PROTACTINIUM 220 [01]
DA November 29, 1984
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Nanosec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Protactinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

PROTACTINIUM 221 [01]
DA November 29, 1984
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Microsec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Protactinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

PROTACTINIUM 222 [01]
DA December 15, 1976
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Protactinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

PROTACTINIUM 223 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei

BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Protactinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

PROTACTINIUM 224 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Protactinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

PROTACTINIUM 225 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Protactinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

PROTACTINIUM 226 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Protactinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

PROTACTINIUM 227 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Protactinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

PROTACTINIUM 228 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Protactinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

PROTACTINIUM 229 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Protactinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

PROTACTINIUM 230 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Protactinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

PROTACTINIUM 231 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Neon 24 Decay Radioisotopes
BT2 Heavy Ion Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Protactinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

PROTACTINIUM 231 TARGET [01]
DA July 9, 1976
BT1 Targets

PROTACTINIUM 232 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Protactinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

PROTACTINIUM 232 TARGET [01]
DA November 23, 1979
BT1 Targets

PROTACTINIUM 233 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Protactinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

PROTACTINIUM 233 TARGET [01]
DA August 12, 1980
BT1 Targets

PROTACTINIUM 234 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Protactinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

PROTACTINIUM 235 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Protactinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

PROTACTINIUM 236 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Protactinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

PROTACTINIUM 237 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Protactinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

PROTACTINIUM 238 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Protactinium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

PROTACTINIUM ADDITIONS [01]
DA December 1, 1974
BT1 Protactinium Alloys
BT2 Actinide Alloys
BT3 Alloys

PROTACTINIUM ALLOYS [01]
DA December 1, 1974
BT1 Actinide Alloys
BT2 Alloys
NT1 Protactinium Additions
NT1 Protactinium Base Alloys

PROTACTINIUM BASE ALLOYS [01]
DA December 1, 1974
BT1 Protactinium Alloys
BT2 Actinide Alloys
BT3 Alloys

PROTACTINIUM BROMIDES [01]
DA December 1, 1974
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Protactinium Compounds
BT2 Actinide Compounds

PROTACTINIUM CARBIDES [01]
DA December 1, 1974
BT1 Carbides
BT2 Carbon Compounds
BT1 Protactinium Compounds
BT2 Actinide Compounds

PROTACTINIUM CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Protactinium Compounds
BT2 Actinide Compounds

PROTACTINIUM COMPLEXES [01]
DA December 1, 1974
BT1 Actinide Complexes
BT2 Complexes

PROTACTINIUM COMPOUNDS [01]
DA December 1, 1974
BT1 Actinide Compounds
NT1 Protactinium Bromides
NT1 Protactinium Carbides
NT1 Protactinium Chlorides
NT1 Protactinium Fluorides
NT1 Protactinium Hydrides
NT1 Protactinium Hydroxides
NT1 Protactinium Iodides
NT1 Protactinium Nitrates
NT1 Protactinium Oxides
NT1 Protactinium Phosphates
NT1 Protactinium Sulfates

PROTACTINIUM FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Protactinium Compounds
BT2 Actinide Compounds

PROTACTINIUM HYDRIDES [01]
DA August 6, 1984
BT1 Hydrides
BT2 Hydrogen Compounds
BT1 Protactinium Compounds
BT2 Actinide Compounds

PROTACTINIUM HYDROXIDES [01]
DA December 1, 1974
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds
BT1 Protactinium Compounds
BT2 Actinide Compounds

PROTACTINIUM IODIDES [01]
DA December 1, 1974
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds
BT1 Protactinium Compounds
BT2 Actinide Compounds

PROTACTINIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

PROTACTINIUM ISOTOPES [01]
DA December 1, 1974
BT1 Actinide Isotopes
BT2 Isotopes
NT1 Protactinium 215
NT1 Protactinium 216
NT1 Protactinium 217
NT1 Protactinium 218
NT1 Protactinium 219
NT1 Protactinium 220
NT1 Protactinium 221
NT1 Protactinium 222
NT1 Protactinium 223
NT1 Protactinium 224
NT1 Protactinium 225
NT1 Protactinium 226
NT1 Protactinium 227
NT1 Protactinium 228
NT1 Protactinium 229
NT1 Protactinium 230
NT1 Protactinium 231
NT1 Protactinium 232
NT1 Protactinium 233
NT1 Protactinium 234
NT1 Protactinium 235
NT1 Protactinium 236
NT1 Protactinium 237
NT1 Protactinium 238

PROTACTINIUM NITRATES [01]
DA December 1, 1974
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds
BT1 Protactinium Compounds
BT2 Actinide Compounds

PROTACTINIUM OXIDES [01]
DA December 1, 1974
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds
BT1 Protactinium Compounds
BT2 Actinide Compounds

PROTACTINIUM PHOSPHATES [01]
DA September 15, 1976
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds
BT1 Protactinium Compounds
BT2 Actinide Compounds

PROTACTINIUM SULFATES [01]
DA December 1, 1974
BT1 Protactinium Compounds
BT2 Actinide Compounds
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds

PROTAMINES [01]
DA December 1, 1974
BT1 Heparin Antagonists
BT2 Coagulants
BT3 Hematologic Agents
BT4 Drugs
NT1 Salmin
RT Nucleoproteins

Protection
DA December 1, 1974
USE Safety

Protection (Corrosion)
DA December 1, 1974
USE Corrosion Protection

Protection (Radiation)
DA December 1, 1974
USE Radiation Protection

Protective Chemicals
DA April 12, 1977
USE Response Modifying Factors

PROTECTIVE CLOTHING [01]
DA December 1, 1974
BT1 Clothing
NT1 Gloves
RT Life Support Systems
RT Radiation Protection
RT Respirators
RT Skin Absorption

PROTECTIVE COATINGS [01]
DA December 1, 1974
BT1 Coatings
RT Decontamination
RT Latex
RT Waterproofing

Protein-Bound Iodine
DA December 1, 1974
USE PBI

PROTEIN DENATURATION [01]
DA December 1, 1974
UF *Denaturation (Protein)*
RT Heat Treatments
RT Molecular Structure
RT PH Value
RT Protein Structure
RT Proteins

PROTEIN ENGINEERING
DA April 15, 1988
RT Amino Acid Sequence
RT Biochemical Reaction Kinetics
RT Biotechnology
RT Genetic Engineering
RT Structure-Activity Relationships
DEF Alteration of the primary structure of a protein to enhance a desired property.

Protein Sequencing
DA February 10, 1984
USE Amino Acid Sequence

PROTEIN STRUCTURE [01]
DA December 26, 1984
RT Amino Acids
RT Molecular Structure
RT Protein Denaturation
RT Proteins

PROTEINS [01]
DA December 1, 1974
BT1 Organic Compounds
NT1 Actin
NT1 Albumins
NT2 Luciferin
NT1 Blood Coagulation Factors
NT2 Fibrin
NT2 Fibrinogen
NT2 Kallikrein
NT2 Plasminogen
NT2 Prothrombin
NT2 Thrombin
NT2 Thromboplastin
NT2 Urokinase
NT1 Calmodulin
NT1 Casein
NT1 Chlorophyll-Binding Proteins
NT1 Complement
NT2 Properdin
NT1 Cytochromes
NT1 Enzymes
NT2 DNA Helicases
NT2 Hydrolases
NT3 Acid Anhydrases
NT4 GTP-ases
NT4 Phosphohydrolases
NT5 ATP-ase
NT3 Esterases
NT4 Carboxylesterases
NT5 Cholinesterase
NT5 Lipases
NT4 Phosphatases
NT5 Acid Phosphatase
NT5 Alkaline Phosphatase
NT5 Nucleotidases
NT4 Phosphodiesterases
NT5 DNA-ase
NT6 Endonucleases
NT5 Nucleases
NT5 RNA-ase
NT3 Glycosyl Hydrolases
NT4 O-Glycosyl Hydrolases
NT5 Amylase
NT5 Cellulase
NT5 Galactosidase
NT5 Glucosidase
NT5 Glucuronidase
NT5 Hyaluronidase
NT5 Lysozyme
NT5 Xylanase
NT3 Non-Peptide C-N Hydrolases
NT4 Amidases
NT5 Arginase
NT4 Amidinases
NT5 Urease
NT3 Peptide Hydrolases
NT4 Acid Proteinases
NT5 Pepsin
NT4 Aminopeptidases
NT4 Carboxypeptidases
NT4 Nonspecific Peptidases
NT5 Renin
NT5 Urokinase
NT4 Serine Proteinases
NT5 Chymotrypsin
NT5 Fibrinolysin
NT5 Kallikrein
NT5 Properdin
NT5 Thrombin
NT5 Trypsin
NT4 SH-Proteinases
NT5 Cathepsins
NT5 Papain
NT5 Streptococcal Proteinase
NT2 Isomerases
NT2 Ligases
NT2 Lyases
NT3 Carbon-Carbon Lyases
NT4 Aldehyde-Lyases
NT4 Aldolases
NT4 Carboxy-Lyases
NT5 Carboxylase
NT5 Decarboxylases
NT5 Ribulose Diphosphate Carboxylase
NT3 Carbon-Oxygen Lyases
NT4 Hydro-Lyases
NT5 Carbonic Anhydrase
NT3 Cyclases
NT3 DNA Methylases
NT2 Oxidoreductases
NT3 Amine Oxidases
NT4 Histaminase
NT3 Aryl 4-Monooxygenase
NT3 Haem Dehydrogenases
NT4 Cytochrome Oxidase
NT3 Hemiacetal Dehydrogenases
NT4 Alcohol Dehydrogenase
NT4 Lactate Dehydrogenase
NT3 Hydrogenases
NT3 Hydroxylases
NT4 Tyrosinase
NT3 Luciferase
NT3 Nitro-Group Dehydrogenases
NT4 Nitrogenase
NT4 Nitroreductases
NT4 Uricase
NT3 Nucleotide Dehydrogenases
NT4 Diaphorase
NT3 Oxygenases
NT4 Mixed-Function Oxidases
NT4 Tryptophan Oxygenase
NT3 Peroxidases
NT4 Catalase
NT3 Superoxide Dismutase
NT2 Transferases
NT3 Carbon-Group Transferases
NT4 Methyl Transferases
NT3 Glycosyl Transferases
NT4 Hexosyl Transferases
NT4 Pentosyl Transferases
NT5 Hypoxanthine Phosphoribosyltransferase
NT3 Nitrogen Transferases
NT4 Aminotransferases
NT3 Phosphorus-Group Transferases
NT4 Nucleotidyltransferases
NT5 Polymerases
NT6 DNA Polymerases
NT6 RNA Polymerases
NT4 Phosphotransferases
NT5 Hexokinase
NT5 Streptidine Kinase
NT1 Gelatin
NT1 Globins
NT2 Hemoglobin
NT3 Methemoglobin
NT2 Myoglobin
NT1 Globulins
NT2 Angiotensin
NT2 Fibrinogen
NT2 Globulins-Alpha
NT3 Ceruloplasmin
NT3 Haptoglobins
NT2 Globulins-Beta
NT3 Transferrin
NT2 Globulins-Gamma
NT2 Immunoglobulins
NT2 Lactoferrin
NT2 Myosin
NT2 Thyroglobulin
NT1 Glycoproteins
NT2 Glucoproteins
NT3 Lactoferrin
NT3 Ovalbumin
NT1 Growth Factors
NT2 Lymphokines
NT3 Interferon
NT1 Lipoproteins
NT2 Apolipoproteins
NT1 Membrane Proteins
NT2 Porins
NT2 Receptors
* NT1 Metalloproteins
NT1 Mucoproteins
NT2 Haptoglobins
NT2 Intrinsic Factor
NT2 Phytohemagglutinin
NT1 Nucleoproteins
NT1 PBI
* NT1 Peptide Hormones
NT1 Peptides
NT2 Cyclosporine
NT2 Glycylglycine
NT2 Polypeptides
NT3 Calcitonin
NT3 Enkephalins
NT3 Gastrin
NT3 Glucagon
NT3 Glutathione
NT3 Kinins
NT4 Bradykinin
NT1 Peptone
NT1 Phosphoproteins
NT1 Phytochromes
NT2 Chlorophyll
NT1 Porins
NT1 Rhodopsin
NT1 Scleroproteins
NT2 Collagen
NT2 Fibrin
NT2 Glutin
NT2 Keratin
NT1 Thylakoid Membrane Proteins
NT2 Phycobiliproteins
NT3 Phycocyanin
NT1 Tropomyosin
NT1 Zein
RT Amino Acid Sequence
RT Amino Acids
RT Blood Plasma
RT CPB
RT Dialysis
RT Food
RT Peanuts
RT Polyamides
RT Protein Denaturation
RT Protein Structure
RT Proteolysis
RT Single Cell Protein
RT Two-Dimensional Electrophoresis

Proteolipids
DA December 1, 1974
USE Lipoproteins

PROTEOLYSIS [01]
DA December 1, 1974
BT1 Decomposition
BT2 Chemical Reactions
NT1 Fibrinolysis
RT Catabolism
RT Clostridium
RT Peptide Hydrolases
RT Proteins

PROTEUS [01]
DA December 1, 1974
BT1 Bacteria
BT2 Microorganisms
RT Feces
RT Soils

PROTEUS REACTOR [01]
(Eidgenoessisches Institut fuer Reaktorforschung, Wuerlingen, Argovie, Switzerland.)
DA December 1, 1974
UF *Wuerenlingen Proteus Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Graphite Moderated Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors

PROTHROMBIN [01]
DA December 1, 1974
BT1 Blood Coagulation Factors
BT2 Coagulants

BT3 Hematologic Agents
BT4 Drugs
BT2 Proteins
BT3 Organic Compounds

PROTO-CLEO STELLARATORS [01]
DA December 1, 1974
BT1 Stellarators
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices
RT Cleo Stellarator

PROTON-ANTINEUTRON INTERACTIONS [01]
DA December 1, 1974
BT1 Nucleon-Antinucleon Interactions
BT2 Baryon-Baryon Interactions
BT3 Hadron-Hadron Interactions
BT4 Particle Interactions
BT5 Interactions

PROTON-ANTIPROTON INTERACTIONS [01]
DA December 1, 1974
BT1 Nucleon-Antinucleon Interactions
BT2 Baryon-Baryon Interactions
BT3 Hadron-Hadron Interactions
BT4 Particle Interactions
BT5 Interactions

PROTON BEAMS [01]
DA December 1, 1974
BT1 Nucleon Beams
BT2 Particle Beams
BT3 Beams
RT Proton Channeling
RT Proton Probes
RT Protons

Proton Blocking
DA December 1, 1974
USE Proton Channeling

PROTON CHANNELING [01]
DA December 1, 1974
UF *Proton Blocking*
BT1 Channeling
RT Proton Beams

PROTON COMPUTED TOMOGRAPHY [01]
DA April 17, 1981
BT1 Computerized Tomography
BT2 Tomography
BT3 Diagnostic Techniques
RT Biomedical Radiography
RT Image Scanners

PROTON DECAY RADIOISOTOPES [01]
DA December 27, 1984
BT1 Radioisotopes
BT2 Isotopes
NT1 Cesium 113
NT1 Cobalt 53
NT1 Iodine 109
NT1 Lutetium 151
NT1 Scandium 39
NT1 Thulium 147
RT Proton-Emission Decay

PROTON DENSITY [01]
DA December 1, 1974
UF *Density (Proton)*
RT Protons

PROTON DETECTION [01]
DA December 1, 1974
BT1 Charged Particle Detection
BT2 Radiation Detection
BT3 Detection
RT Proton Dosimetry
RT Recoils

PROTON-DEUTERON INTERACTIONS
DA February 5, 1975
BT1 Nucleon-Deuteron Interactions
BT2 Baryon-Baryon Interactions
BT3 Hadron-Hadron Interactions
BT4 Particle Interactions
BT5 Interactions
RT Deuterons
RT Protons

PROTON DOSIMETRY [01]
DA December 1, 1974
BT1 Dosimetry
RT Proton Detection

PROTON-EMISSION DECAY [01]
DA December 27, 1984
BT1 Nuclear Decay
BT2 Decay
RT Proton Decay Radioisotopes
RT Protons

Proton-Induced X-Ray Emission Analysis
DA October 7, 1980
USE PIXE Analysis

PROTON MICROPROBE ANALYSIS [01]
DA September 11, 1978
BT1 Microanalysis
BT1 Nondestructive Analysis
BT2 Chemical Analysis

PROTON-NEUTRON INTERACTIONS [01]
DA December 1, 1974
BT1 Proton-Nucleon Interactions
BT2 Nucleon-Nucleon Interactions
BT3 Baryon-Baryon Interactions
BT4 Hadron-Hadron Interactions
BT5 Particle Interactions
BT6 Interactions

PROTON-NUCLEON INTERACTIONS [01]
DA January 22, 1975
BT1 Nucleon-Nucleon Interactions
BT2 Baryon-Baryon Interactions
BT3 Hadron-Hadron Interactions
BT4 Particle Interactions
BT5 Interactions
NT1 Proton-Neutron Interactions
NT1 Proton-Proton Interactions

PROTON PRECESSION MAGNETOMETERS [01]
DA December 1, 1974
BT1 Magnetometers
BT2 Measuring Instruments

PROTON PRECIPITATION [01]
DA December 1, 1974
BT1 Charged-Particle Precipitation
RT Aurorae
RT Auroral Oval
RT Midday Aurorae
RT Polar Cusp
RT Radiation Belts

PROTON PROBES [01]
DA September 28, 1976
BT1 Probes
RT Ion Probes
RT Proton Beams

Proton-Proton Cycle
DA July 23, 1980
USE Hydrogen Burning

PROTON-PROTON INTERACTIONS [01]
DA December 1, 1974
BT1 Proton-Nucleon Interactions
BT2 Nucleon-Nucleon Interactions
BT3 Baryon-Baryon Interactions
BT4 Hadron-Hadron Interactions
BT5 Particle Interactions
BT6 Interactions

PROTON RADIOGRAPHY [01]
DA July 29, 1975
BT1 Industrial Radiography
RT Biomedical Radiography

PROTON REACTIONS [01]
DA December 1, 1974
UF+ *PIGE Analysis*
BT1 Charged-Particle Reactions
BT2 Nuclear Reactions
BT1 Nucleon Reactions
BT2 Baryon Reactions
BT3 Hadron Reactions
BT4 Nuclear Reactions

PROTON RECOIL DETECTORS [01]
DA December 1, 1974
BT1 Neutron Detectors
BT2 Radiation Detectors
BT3 Measuring Instruments
RT Proportional Counters
RT Radiator Counters
RT Recoils
RT Scintillation Counters

PROTON SATELLITES [01]
DA December 1, 1974
BT1 Satellites
RT Interkosmos Satellites
RT Kosmos Satellites

PROTON SOURCES [01]
DA December 1, 1974
BT1 Particle Sources
BT2 Radiation Sources
RT Protons

PROTON SPECTRA [01]
DA December 1, 1974
BT1 Spectra
RT Protons

PROTON SPECTROMETERS [01]
DA December 1, 1974
BT1 Spectrometers
BT2 Measuring Instruments

PROTON TEMPERATURE [01]
DA December 1, 1974
UF *Temperature (Proton)*
RT Energy
RT Protons

PROTON TRANSPORT [01]
DA December 1, 1974
UF *Transport (Proton)*
BT1 Charged-Particle Transport
BT2 Radiation Transport

PROTONIUM [01]
DA December 1, 1974
BT1 Hadronic Atoms
BT2 Atoms
RT Antiprotons
RT Baryonium
RT Muonium
RT Positronium
RT Protons

PROTONS [01]
DA December 1, 1974
BT1 Nucleons
BT2 Baryons
BT3 Fermions
BT3 Hadrons
BT4 Elementary Particles
NT1 Cosmic Protons
NT1 Delayed Protons
NT1 Diprotons
NT1 Photoprotons
NT1 Prompt Protons
NT1 Solar Protons
NT1 Trapped Protons
RT Antiprotons
RT Hydrogen Ions 1 Plus
RT Proton Beams
RT Proton Density
RT Proton-Deuteron Interactions
RT Proton-Emission Decay
RT Proton Sources
RT Proton Spectra
RT Proton Temperature
RT Protonium

PROTOPLANETS [01]
DA December 1, 1974
RT Cosmological Models
RT Planets
RT Solar Nebula
RT Solar System Evolution

Protoplasts
DA December 1, 1974
USE Plant Cells

PROTOPORPHYRINS [01]
DA December 1, 1974
BT1 Pigments
BT1 Porphyrins
BT2 Heterocyclic Acids
BT3 Carboxylic Acids
BT4 Organic Acids
BT5 Organic Compounds
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
RT Hemoglobin

PROTOSTARS [01]
DA December 1, 1974
RT Cosmological Models
RT Origin
RT Star Accretion
RT Stars

Prototype a Terre
DA June 12, 1975
USE PAT Reactor

Prototype Fast Reactor Dounreay
DA December 1, 1974
USE PFR Reactor

Prototype Fast Reactor Japan
DA December 1, 1974
USE Monju Reactor

Prototype Large Breeder Reactor
DA August 24, 1977
USE PLBR Reactor

PROTOZOA [01]
DA December 1, 1974
BT1 Invertebrates
BT2 Animals
BT1 Microorganisms
NT1 Ciliata
NT2 Paramecium
NT2 Tetrahymena
NT1 Mastigophora
NT2 Dinoflagellate
NT2 Euglena
NT2 Trypanosoma
NT1 Sarcodina
NT2 Amoeba
NT2 Foraminifera
NT1 Sporozoa
NT2 Babesidae
NT2 Plasmodium
RT Parasites
RT Plankton
RT Zooplankton

Protracted Irradiation
DA December 1, 1974
USE Chronic Irradiation

PROXIMITY EFFECT [01]
DA December 1, 1974
RT Superconductivity

PROXIMITY SCATTERING [01]
DA January 22, 1975
BT1 Scattering
RT Final-State Interactions
RT Nuclear Reactions
DEF Mutual scatterings of two outgoing particles from sequential nuclear reactions.

PRPR REACTOR [01]
DA December 1, 1974
UF *Mayaguez Puerto Rico Pool Reactor*
UF *Puerto Rico Pool Type Reactor*
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 TRIGA Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Hydride Moderated Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Solid Homogeneous Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

PRR-1 REACTOR [01]
(Quezon City, Philippines.)
DA December 1, 1974
UF *Philippine Research Reactor-1*
UF *Quezon Philippine Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

PRR REACTOR [01]
DA December 1, 1974
UF *NDA Remote Experiment Station*
UF *Pawling Research Reactor*
UF *PLATR Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Heavy Water Cooled Reactors
BT2 Reactors
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

PRTR REACTOR [01]
DA December 1, 1974
UF *Plutonium Recycle Test Reactor*
BT1 Heavy Water Cooled Reactors
BT2 Reactors
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Pressure Tube Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors

PRUDHOE BAY [01]
DA June 2, 1977
BT1 Bays
BT2 Coastal Waters
BT3 Surface Waters
BT1 Beaufort Sea
BT2 Arctic Ocean
BT3 Seas
BT4 Surface Waters
RT Alaska

PS SOLAR CELLS [01]
DA July 18, 1981
UF *Polymer-Semiconductor Solar Cells*
BT1 Solar Cells
BT2 Photovoltaic Cells
BT3 Photoelectric Cells
BT4 Direct Energy Converters
BT2 Solar Equipment
BT3 Equipment
RT Organic Solar Cells

PSD
DA July 24, 1979
USE Prevention of Significant Deterioration

PSE REACTOR [01]
DA December 1, 1974
UF *Pressurized Sulbcritical Experiment Savannah*
UF *Savannah Pressurized Subcritical Experiment*
BT1 Heavy Water Cooled Reactors
BT2 Reactors
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 Subcritical Assemblies
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

PSEUDOMONAS [01]
DA December 1, 1974
BT1 Bacteria
BT2 Microorganisms

Pseudoparticles
DA November 29, 1977
USE Instantons

PSEUDOSCALAR ANTIMESONS [01]
DA December 1, 1974
BT1 Antimesons
BT2 Antiparticles
BT3 Antimatter
BT4 Matter
BT3 Elementary Particles
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles
BT1 Pseudoscalar Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

PSEUDOSCALAR MESONS [01]
DA December 1, 1974
BT1 Mesons
BT2 Bosons
BT2 Hadrons
BT3 Elementary Particles
NT1 B Mesons
NT2 B Minus Mesons
NT2 B Neutral Mesons
NT3 Anti-B Neutral Mesons
NT2 B Plus Mesons
NT1 D Mesons
NT2 D Minus Mesons
NT2 D Neutral Mesons
NT3 Anti-D Neutral Mesons
NT2 D Plus Mesons
NT1 Eta C-2980 Mesons
NT1 Eta C-3590 Mesons
NT1 Eta Mesons
NT1 Eta Prime-958 Mesons
NT1 Eta-1275 Mesons
NT1 Eta-1440 Mesons
NT1 K-1460 Mesons
NT1 K-1830 Mesons
* **NT1** Kaons
NT1 Pi-1300 Mesons
NT1 Pi-1770 Mesons
NT1 Pions
NT2 Cosmic Pions
NT2 Pions Minus
NT2 Pions Neutral
NT2 Pions Plus
NT1 Pseudoscalar Antimesons
RT Meson Nonets
RT Sigma Model
DEF Mesons with spin-parity of zero-minus.

PSEUDOSCALARS [01]
DA December 1, 1974
RT Scalars

PSEUDOVECTOR COUPLING [01]
DA December 1, 1974
BT1 Coupling
RT Nucleons

Pseudovector Mesons
DA January 25, 1988
USE Axial Vector Mesons

Psi-3105 Resonances
(Prior to February 1988 this was a valid descriptor.)
DA January 30, 1975
USE J Psi-3097 Mesons

PSI-3685 MESONS [01]
(Prior to February 1988 this concept was indexed by PSI-3695 RESONANCES.)
DA February 1, 1988
UF *Psi-3695 Resonances*
BT1 Charmonium
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles
BT2 Quarkonium
BT1 Vector Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

Psi-3695 Resonances
(Prior to February 1988 this was a valid descriptor.)
DA January 30, 1975
USE Psi-3685 Mesons

PSI-3770 MESONS [01]
(Prior to February 1988 this concept was indexed by PSI-3772 RESONANCES.)
DA February 1, 1988
UF *Psi-3772 Resonances*
BT1 Charmonium
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles
BT2 Quarkonium
BT1 Vector Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

Psi-3772 Resonances
(Prior to February 1988 this was a valid descriptor.)
DA April 6, 1978
USE Psi-3770 Mesons

Psi-4028 Resonances
(Prior to February 1988 this was a valid descriptor.)
DA July 6, 1978
USE Psi-4030 Mesons

PSI-4030 MESONS [01]
(Prior to February 1988 this concept was indexed by PSI-4028 RESONANCES.)
DA February 1, 1988
UF *Psi-4028 Resonances*
BT1 Charmonium
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles
BT2 Quarkonium
BT1 Vector Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

Psi-4100 Resonances
(Prior to February 1988 this was a valid descriptor.)
DA October 28, 1975
USE Psi-4160 Mesons

PSI-4160 MESONS [01]
(Prior to February 1988 this concept was indexed by PSI-4100 RESONANCES.)
DA February 1, 1988
UF *Psi-4100 Resonances*
BT1 Charmonium
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles
BT2 Quarkonium
BT1 Vector Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

Psi-4300 Resonances
(Prior to March 1988 this was a valid descriptor.)
DA December 16, 1975
USE Mesons

Psi-4414 Resonances
(Prior to February 1988 this was a valid descriptor.)
DA July 6, 1978
USE Psi-4415 Mesons

PSI-4415 MESONS [01]
(Prior to February 1988 this concept was indexed by PSI-4414 RESONANCES.)
DA February 1, 1988
UF *Psi-4414 Resonances*
BT1 Charmonium
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles
BT2 Quarkonium
BT1 Vector Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

Psi Resonances
(Prior to March 1988 this was a valid descriptor.)
DA November 2, 1976
USE Mesons

PSORALEN [01]
DA December 1, 1974
BT1 Coumarins
BT2 Anticoagulants
BT3 Hematologic Agents
BT4 Drugs
BT1 Heterocyclic Compounds
BT2 Organic Compounds
BT1 Organic Oxygen Compounds
BT2 Organic Compounds
RT Benzofurans

PSORIASIS [01]
DA December 1, 1974
BT1 Skin Diseases
BT2 Diseases
RT Skin

PSR Reactor
DA December 1, 1974
USE PSTR Reactor

PSS METHOD [01]
(Perturbed stationary states method.)
DA December 1, 1974
UF *Perturbed Stationary States Method*
RT Collisions

PSTR REACTOR [01]
DA December 1, 1974
UF *Pennsylvania State University Research Reactor*
UF *PSR Reactor*
UF *TRIGA-Pennsylvania Reactor*
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 TRIGA Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Hydride Moderated Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Solid Homogeneous Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

Psychoactive Agents
DA April 20, 1981
USE Psychotropic Drugs

PSYCHOLOGY
DA March 4, 1980
RT Behavior
RT Sociology

Psychoses
DA December 1, 1974
USE Mental Disorders

PSYCHOTROPIC DRUGS [01]
DA December 1, 1974
UF *Psychoactive Agents*
BT1 Central Nervous System Agents
BT2 Drugs
NT1 Antidepressants
NT2 Cocaine
NT2 Imipramine
NT2 Iproniazid
NT1 Hallucinogens
NT2 Bufotenine
NT1 Tranquilizers
NT2 Chlorpromazine
RT Analeptics

PSYCHROMETRY
DA November 24, 1981
BT1 Hygrometry
RT Dew Point
RT Humidity
RT Thermal Comfort
DEF The science and techniques associated wih measurements of the water vapor content of air or other gases.

PTERIDINES [01]
DA December 1, 1974
UF *Pterins*
BT1 Azaarenes
BT2 Aromatics
BT3 Organic Compounds
BT2 Heterocyclic Compounds
BT3 Organic Compounds
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
NT1 Aminopterin
NT1 Folic Acid
RT Pyrazines
RT Pyrimidines

Pterins
DA December 1, 1974
USE Pteridines

Pteroylglutamic Acid
DA December 1, 1974
USE Folic Acid

PTF-UNC REACTOR [01]
DA December 1, 1974
UF *Proof Test Facility United Nuclear Corporation*
UF *United Nuclear Corporation Proof Test Reactor*
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

PTFE
DA December 1, 1974
USE Polytetrafluoroethylene

PTR REACTOR [01]
(Atomic Energy of Canada, Ltd., Chalk River, Ontario, Canada.)
DA December 1, 1974
UF *Chalk River Pool Test Reactor*
UF *Pool Test Reactor Chalk River*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors

→**PUBLIC ANXIETY [01]**
DA January 24, 1992
RT Accidents
RT Attitudes
RT Behavior
RT Nuclear Facilities
RT Sociology

Public Attitudes
DA July 23, 1977
USE Public Opinion

PUBLIC BUILDINGS [01]
DA October 23, 1978
UF *County Buildings*
UF *Court Buildings*
UF *Fire Stations*
UF *Jails*
UF *Municipal Buildings*
UF *Senior Centers*
UF *State Buildings*
UF *Visitor Centers*
BT1 Buildings
RT Government Buildings
RT Hospitals
RT Libraries
RT Office Buildings
RT School Buildings
RT Skating Rinks

Public Corporations
DA July 24, 1979
USE Public Enterprises

PUBLIC ENTERPRISES [01]
DA July 24, 1979
UF *National Enterprises*
UF *Public Corporations*
UF *State Enterprises*
RT Government Policies
RT Ownership
DEF Government owned enterprises.

PUBLIC HEALTH [01]
DA March 31, 1975
RT Health Hazards
RT Human Populations
RT Medical Establishments
RT Quarantine
RT Radiation Protection
RT Water Reclamation

PUBLIC INFORMATION
DA December 17, 1979
BT1 Information
RT Declassification
RT Information Dissemination
RT Public Relations
DEF Information supplied to the people in general.

PUBLIC LANDS [01]
DA February 19, 1975
SF *Parks*
NT1 Everglades National Park
NT1 Natural Bridges National Monument
NT1 Yellowstone National Park
RT Land Resources
RT Reserves

→**PUBLIC LAW [01]**
DA January 8, 1992
BT1 Laws
DEF Body of rules governing State action and relationship with citizens.

Public Law 94-370
DA March 3, 1978
USE Coastal Zone Management Act

PUBLIC OFFICIALS [01]
DA November 23, 1979
NT1 State Officials
RT National Government

PUBLIC OPINION [01]
DA July 23, 1977
UF *Attitudes of the Public*
UF *Public Attitudes*
RT Aesthetics
RT Attitudes
RT Public Relations
RT Surveys

PUBLIC POLICY [01]
DA May 25, 1979
RT Government Policies
RT Institutional Factors
RT Laws
RT Legal Aspects
RT Legislation
RT Political Aspects
RT Regulations
DEF Governing policy within a community as embodied in legislative and judicial enactments.

PUBLIC RELATIONS [01]
DA April 22, 1975
UF *Nuclear Contestation*
RT Advertising
RT Aesthetics
RT Consumer Protection
RT Management
RT Public Information
RT Public Opinion
RT Safety Analysis
RT Sociology

Public Transportation Systems
DA June 12, 1992
USE Transportation Systems

PUBLIC UTILITIES [01]
DA February 19, 1975
SF *Utilities*
NT1 Electric Utilities
NT1 Gas Utilities
NT1 Water Utilities
RT AFUDC
RT CWIP
RT Electric Power
RT Fuel Adjustment Mechanisms
RT IEUS
RT Marginal-Cost Pricing
RT MIUS
RT Natural Gas
RT Off-Peak Power
RT Peak-Load Pricing
RT Sellback
RT Telephones
RT US Public Utility Regulatory Policies Act
RT Water Supply

Public Utility Regulatory Policies Act
(Prior to February 1992 this was a valid descriptor.)
DA March 29, 1980
USE US Public Utility Regulatory Policies Act

PUERTO RICO [01]
DA December 1, 1974
BT1 Greater Antilles
BT2 West Indies
BT3 Islands
BT1 Latin America
BT1 USA
BT2 Developed Countries
BT2 North America

Puerto Rico Bonus Reactor
DA December 1, 1974
USE BONUS Reactor

Puerto Rico Nuclear Center L-77 Reactor
DA December 1, 1974
USE PRNC-L-77 Reactor

Puerto Rico Pool Type Reactor
DA December 1, 1974
USE PRPR Reactor

PUGET SOUND [01]
DA April 19, 1976
BT1 Pacific Ocean
BT2 Seas
BT3 Surface Waters
RT Washington

PUGET SOUND NAVAL SHIPYARD
DA July 23, 1977
RT Washington

Pullman Washington State University Reactor
DA December 1, 1974
USE WSUR Reactor

Pulmonary Cancer
DA December 1, 1974
USE Carcinomas

Pulmonary Lavage
DA December 1, 1974
USE Lavage
AND Lungs

Pulps
DA December 1, 1974
USE Slurries

PULSAR CONCEPT
DA September 26, 1979
RT Magnetic Compression
RT Pulse Generators
DEF Pulsar is a system which produces pulsed power by magnetic flux compression with metallic or plasma armatures.

PULSARS [01]
DA December 1, 1974
BT1 Cosmic Radio Sources
RT Crab Nebula
RT Magnetic Stars
RT Neutron Stars
RT Starquakes
RT Supernova Remnants

PULSATING VARIABLE STARS [01]
DA December 20, 1978
BT1 Variable Stars
BT2 Stars
NT1 Cepheids

PULSATIONS [01]
DA December 1, 1974
UF *Micropulsations*
UF *Pearl Pulsations*
RT Disturbances
RT Oscillations
RT Pulses
RT Variations

PULSATOR DEVICES
DA April 15, 1975
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

Pulsator Stellarator
DA December 1, 1974
USE Stellarators

PULSE AMPLIFIERS [01]
DA December 1, 1974
BT1 Amplifiers
BT2 Electronic Equipment
BT3 Equipment
RT Cathode Followers

RT Pulse Circuits
RT Pulse Techniques

PULSE ANALYZERS [01]
DA December 1, 1974
UF *Analyzers (Pulse)*
UF *Kicksorters*
BT1 Electronic Equipment
BT2 Equipment
NT1 Multi-Channel Analyzers
RT Pulse Circuits
RT Pulse Discriminators
RT Pulse Techniques
RT Spectrometers

PULSE CIRCUITS [01]
DA December 1, 1974
BT1 Electronic Circuits
NT1 Multivibrators
NT2 Flip-Flop Circuits
NT1 Pulse Discriminators
NT1 Signal Conditioners
NT2 Digitizers
NT3 Cathode Ray Tube Digitizers
NT3 Flying Spot Digitizers
NT3 Scanning Measuring Projectors
NT3 Spiral Reader Digitizers
NT2 Pulse Shapers
NT1 Trigger Circuits
NT2 Transistor Trigger Circuits
RT Coincidence Circuits
RT Counting Circuits
RT Pulse Amplifiers
RT Pulse Analyzers
RT Pulse Generators
RT Pulse Techniques
RT Transistor Oscillators

Pulse Columns
DA December 1, 1974
USE Extraction Columns

PULSE COMBUSTION [01]
DA August 12, 1980
BT1 Combustion
BT2 Oxidation
BT3 Chemical Reactions
BT2 Thermochemical Processes
RT Burners
RT Combustion Chambers
RT Combustion Control
RT Pulse Combustors

PULSE COMBUSTORS [01]
DA August 12, 1980
BT1 Combustors
RT Burners
RT Combustion Chambers
RT Combustion Control
RT Pulse Combustion

PULSE CONVERTERS [01]
DA December 1, 1974
UF *Converters (Pulse)*
BT1 Electronic Equipment
BT2 Equipment
NT1 Current-to-Frequency Converters
NT1 Time-to-Amplitude Converters
RT Pulse Techniques

PULSE DISCRIMINATORS [01]
DA December 1, 1974
BT1 Discriminators
BT2 Electronic Circuits
BT1 Pulse Circuits
BT2 Electronic Circuits
RT Pulse Analyzers

PULSE GENERATORS [01]
DA December 1, 1974
UF *Generators (Pulse)*
BT1 Function Generators
BT2 Electronic Equipment
BT3 Equipment
NT1 High-Voltage Pulse Generators
RT Blocking Oscillators
RT Frequency Converters
RT Multivibrators
RT Plasma Switches
RT Pulsar Concept
RT Pulse Circuits
RT Pulse Shapers
RT Pulse Techniques
RT Random Number Generators

PULSE INTEGRATORS [01]
DA December 1, 1974
UF *Integrators (Pulse)*
BT1 Electronic Equipment
BT2 Equipment
RT Counting Ratemeters
RT Pulse Techniques

PULSE PILEUP [01]
DA December 1, 1974
RT Time Resolution
RT Timing Properties

PULSE RISE TIME [01]
DA December 1, 1974
UF *Rise Time*
BT1 Timing Properties
RT Peaks
RT Pulses
RT Time Measurement

PULSE SHAPERS [01]
DA December 1, 1974
UF *Clipping Circuits*
UF *Pulse Stretchers*
BT1 Signal Conditioners
BT2 Pulse Circuits
BT3 Electronic Circuits
RT Pulse Generators
RT Signal Conditioning

Pulse Stretchers
DA December 1, 1974
USE Pulse Shapers

PULSE TECHNIQUES [01]
DA December 1, 1974
RT Counting Circuits
RT Counting Ratemeters
RT Counting Techniques
RT Counting Tubes
RT Delay Circuits
RT Electronic Equipment
RT Oscillators
RT Plasma Switches
RT Pulse Amplifiers
RT Pulse Analyzers
RT Pulse Circuits
RT Pulse Converters
RT Pulse Generators
RT Pulse Integrators
RT Pulses
RT Radiation Detection
RT Radiation Detectors
RT Resonators
RT Scalers

Pulsed Beam Deflectors
DA February 13, 1975
USE Beam Pulsers

PULSED D-T REACTORS [01]
DA December 1, 1974
BT1 D-T Reactors
BT2 Thermonuclear Reactors
BT1 Pulsed Fusion Reactors
BT2 Thermonuclear Reactors

PULSED FUSION REACTORS [01]
DA December 1, 1974
BT1 Thermonuclear Reactors
NT1 Pulsed D-T Reactors
RT Direct Drive Laser Implosion
RT Indirect Drive Laser Implosion
RT Laser Implosions

PULSED IRRADIATION [01]
DA December 1, 1974
BT1 Irradiation
RT Beam Pulsers
RT Dose Rates
RT Temporal Dose Distributions

PULSED MAGNET COILS [01]
DA December 1, 1974
BT1 Magnet Coils
BT2 Electric Coils
BT3 Electrical Equipment
BT4 Equipment

PULSED MHD GENERATORS [01]
DA May 7, 1977
UF *Explosively-driven MHD Generators*
BT1 MHD Generators
BT2 Direct Energy Converters
DEF MHD generators driven by explosives, shock tubes, plasma jets, etc.

PULSED NEUTRON TECHNIQUES [01]
DA December 1, 1974
RT Neutron Beams
RT Neutron Guides
RT Pulses

PULSED REACTORS [01]
DA December 1, 1974
UF *Burst Reactors*
BT1 Reactors
NT1 ACPR Reactor
NT1 APRF Reactor
NT1 ATPR Reactor
NT1 BIGR Reactor
NT1 BIR Reactor
NT1 FBRF Reactor
NT1 FIR-1 Reactor
NT1 Hector Reactor
NT1 HPRR Reactor
NT1 IBR-2 Reactor
NT1 IBR-30 Reactor
NT1 Kalpakkam PFR Reactor
NT1 NSRR Reactor
NT1 OSTR Reactor
NT1 PBF Reactor
NT1 SORA Reactor
NT1 SPR-2 Reactor
NT1 SPR-3 Reactor
NT1 SPR-4 Reactor
NT1 Super Kukla Reactor
NT1 TIBR Reactor
NT1 TRIGA-1-Michigan Reactor
NT1 TRIGA-2-Illinois Reactor
NT1 TRIGA-2-Kansas Reactor
NT1 TRIGA-2-Mainz Reactor
NT1 TRIGA-2-Pavia Reactor
NT1 TRIGA-3-Munich Reactor
NT1 TRIGA-Texas Reactor
NT1 UCBRR Reactor
NT1 VIPER Reactor
NT1 WSUR Reactor
RT Reactivity Insertions

PULSES [01]
DA December 1, 1974
UF *Electric Pulses*
UF *Impulse*
NT1 Electromagnetic Pulses
NT2 Internal Electromagnetic Pulses
RT Beam Pulsers
RT Electrocardiograms
RT Pulsations
RT Pulse Rise Time
RT Pulse Techniques
RT Pulsed Neutron Techniques
RT Signals
RT Surges

PULSTAR-BUFFALO REACTOR [01]
DA December 1, 1974
UF *Buffalo PULSTAR Reactor*
UF *BUSPR Reactor*
UF *Western New York Nuclear Research Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors

PULSTAR-RALEIGH REACTOR [01]
(North Carolina State University, Department of Nuclear Engineering, Raleigh, North Carolina, USA.)
DA December 1, 1974
UF *NCUSPR Reactor*
UF *North Carolina PULSTAR Reactor*
UF *Raleigh PULSTAR Reactor*
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors

Pulverization
DA April 27, 1978
USE Comminution

Pulverized Fuel Ash
DA June 24, 1977
USE Fly Ash

PULVERIZED FUELS [01]
DA April 9, 1985
RT Coal Fines
RT Powders
RT Solid Fuels

PULVERIZERS [01]
DA August 7, 1978
BT1 Machinery
BT2 Equipment
RT Comminution
RT Crushing
RT Fuel Feeding Systems

PUMICE
DA April 15, 1975
RT Abrasives
RT Rocks
DEF A light-colored, vesicular, glassy rock commonly having the composition of a rhyolite.

PUMP TURBINES [01]
DA January 24, 1980
UF *Reversible Turbines*
UF *Turbine Pumps*
BT1 Hydraulic Turbines
BT2 Turbines
BT3 Turbomachinery
BT4 Machinery
BT5 Equipment
RT Pumped Storage
RT Pumped Storage Power Plants
DEF Reversible turbines used for pumping a fluid.

PUMPED LIMITERS [01]
DA October 25, 1985
BT1 Limiters
RT Helium Ash

PUMPED STORAGE [01]
DA January 28, 1975
BT1 Energy Storage
BT2 Storage
RT Hydroelectric Power Plants
RT Off-Peak Energy Storage
RT Pump Turbines
RT Pumped Storage Power Plants
RT Pumping

PUMPED STORAGE POWER PLANTS [01]
DA May 13, 1976
BT1 Hydroelectric Power Plants
BT2 Power Plants
BT1 Peaking Power Plants
BT2 Power Plants
RT Hydroelectric Power
RT Pump Turbines
RT Pumped Storage
RT Water Reservoirs

PUMPHERSTON RETORT
DA November 11, 1975
BT1 Retorts
BT2 Chemical Reactors
BT2 Distillation Equipment
BT3 Equipment
RT Oil Shales

PUMPING
DA February 19, 1975
SF *Laser Pumping*
NT1 Electrical Pumping
NT2 Electron Beam Pumping
NT1 Nuclear Pumping
NT1 Optical Pumping
RT Circulating Systems
RT Drawdown
RT Materials Handling
RT Pumped Storage
RT Pumps
RT Self-Pumping Systems

PUMPS [01]
DA December 1, 1974
UF *Hydraulic Rams*
NT1 Centrifugal Pumps
NT1 Electromagnetic Pumps
NT1 Rod Pumps
NT1 Vacuum Pumps
NT2 Cryopumps
NT2 Sputter-Ion Pumps
NT2 Turbomolecular Pumps
NT1 Water Pumps
NT2 Solar Water Pumps
NT1 Wind-Powered Pumps
RT Automotive Accessories
RT Blowers
RT Circulating Systems
RT Compressors
RT Heat Pumps
RT Pumping
RT Reactor Components
RT Reactor Cooling Systems
RT Self-Pumping Systems
RT Shafts
RT Turbomachinery

Punched Cards
DA December 1, 1974
USE Memory Devices

PUNCHED TAPES [01]
DA December 1, 1974
RT Memory Devices

PUPAE [01]
DA December 1, 1974
RT Age Groups
RT Insects
RT Life Cycle
RT Metamorphosis

PURASIV S PROCESS
DA December 22, 1977
BT1 Desulfurization
BT2 Chemical Reactions
RT Waste Processing
DEF Fixed-bed SO_2 adsorption process using molecular sieve.

PUREX PROCESS [01]
DA December 1, 1974
BT1 Reprocessing
BT2 Separation Processes
NT1 Halex Process
NT1 Saltex Process
RT Solvent Extraction

PURIFICATION [01]
DA December 1, 1974
NT1 Hot Gas Cleanup
RT Cleaning
RT Crystallization
RT Deashing
RT Decontamination
RT Enrichment
RT Impurities
RT Refining
RT Separation Processes

PURINES [01]
DA December 1, 1974
BT1 Azaarenes
BT2 Aromatics
BT3 Organic Compounds
BT2 Heterocyclic Compounds
BT3 Organic Compounds
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
NT1 Adenines
NT2 Kinetin
NT1 Guanine
NT1 Guanosine
NT1 Hypoxanthine
NT1 Inosine
NT1 Mercaptopurine
NT1 Xanthines
NT2 Caffeine
NT2 Theobromine
NT2 Theophylline
NT2 Uric Acid
RT Nucleosides

PURISOL PROCESS
DA January 27, 1975
BT1 Desulfurization
BT2 Chemical Reactions
DEF Process for removal of acid gases from syngas and natural gas streams using physical absorption in N-methylpyrrolidone (NMP).

Purity
DA December 1, 1974
USE Impurities

Purnima-1 Reactor
DA January 7, 1982
USE Purnima Reactor

PURNIMA-2 REACTOR [01]
DA November 10, 1981
BT1 Fast Reactors
BT2 Epithermal Reactors
BT3 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

→**PURNIMA-3 REACTOR [01]**
(Bhabha Atomic Research Center, Bombay, India)
DA April 16, 1993
BT1 Research and Test Reactors
BT2 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors

PURNIMA REACTOR [01]
DA December 1, 1974
UF *Purnima-1 Reactor*
BT1 Fast Reactors
BT2 Epithermal Reactors
BT3 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

PUROMYCIN [01]
DA December 1, 1974
BT1 Antibiotics
BT2 Anti-Infective Agents
BT3 Drugs
BT1 Antineoplastic Drugs
BT2 Drugs

PUROX PYROLYSIS PROCESS
DA November 26, 1975
UF *Union Carbide Waste Processing System*
BT1 Waste Processing
BT2 Processing
BT2 Waste Management
BT3 Management
RT Pyrolysis
RT Solid Wastes

RT Waste Processing Plants
DEF Union Carbide Process for pyrolysis of solid wastes using pure oxygen to supply high temperature zone for production of low Btu gas that can be upgraded to high Btu gas.

PURPA
DA March 29, 1980
USE US Public Utility Regulatory Policies Act

PURPURA [01]
DA December 1, 1974
BT1 Hemic Diseases
BT2 Diseases

Purpuric Acid
DA December 1, 1974
USE Murexide

Pusan Kori-1 Reactor
DA December 1, 1974
USE Kori-1 Reactor

Pusan Kori-2 Reactor
DA April 14, 1977
USE Kori-2 Reactor

PUSPATI [01]
DA December 27, 1984
UF *Tun Ismail Atomic Research Center*
UF *Unit Tenaga Nuklear (Malaysia)*
BT1 Malaysian Organizations
BT2 National Organizations

PUSPATI TRIGA Reactor
DA December 27, 1984
USE RTP Reactor

PUTRESCINE [01]
DA December 1, 1974
UF *1,4-Diaminobutane*
UF *Tetramethylenediamine*
BT1 Amines
BT2 Organic Compounds

PVA [01]
DA December 1, 1974
UF *Polyvinyl Alcohol*
BT1 Alcohols
BT2 Hydroxy Compounds
BT3 Organic Compounds
BT1 Polyvinyls
BT2 Organic Polymers
BT3 Organic Compounds
BT3 Polymers

PVC [01]
DA December 1, 1974
UF *Polyvinyl Chloride*
BT1 Chlorinated Aliphatic Hydrocarbons
BT2 Halogenated Aliphatic Hydrocarbons
BT3 Organic Halogen Compounds
BT4 Organic Compounds
BT2 Organic Chlorine Compounds
BT3 Organic Halogen Compounds
BT4 Organic Compounds
BT1 Polyvinyls
BT2 Organic Polymers
BT3 Organic Compounds
BT3 Polymers

PVD
DA October 11, 1989
USE Physical Vapor Deposition

PVP [01]
DA December 1, 1974
UF *Polyvinylpyrrolidone*
BT1 Blood Substitutes
BT2 Hematologic Agents
BT3 Drugs
BT1 Polyvinyls
BT2 Organic Polymers
BT3 Organic Compounds
BT3 Polymers
BT1 Pyrrolidones
BT2 Lactams
BT3 Amides
BT4 Organic Nitrogen Compounds
BT5 Organic Compounds
BT2 Pyrroles
BT3 Azoles
BT4 Heterocyclic Compounds
BT5 Organic Compounds
BT4 Organic Nitrogen Compounds
BT5 Organic Compounds

PWBA
DA December 1, 1974
USE Born Approximation

PWR TYPE REACTORS [01]
DA December 1, 1974
UF *Pressurized Water Cooled Moderated Reactor*
UF *Pressurized Water Reactors*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors
NT1 Aguirre Reactor
NT1 Almaraz-1 Reactor
NT1 Almaraz-2 Reactor
NT1 Angra-1 Reactor
NT1 Angra-2 Reactor
NT1 Angra-3 Reactor
NT1 Ardennes B-1 Reactor
NT1 Ardennes Reactor
NT1 Arkansas-1 Reactor
NT1 Arkansas-2 Reactor
NT1 Arktika Reactor
NT1 Asco-1 Reactor
NT1 Asco-2 Reactor
NT1 Atlantic-1 Reactor
NT1 Atlantic-2 Reactor
NT1 BASF-1 Reactor
NT1 BASF-2 Reactor
NT1 Beaver Valley-1 Reactor
NT1 Beaver Valley-2 Reactor
NT1 Bellefonte-1 Reactor
NT1 Bellefonte-2 Reactor
NT1 Belleville sur Loire-1 Reactor
NT1 Belleville sur Loire-2 Reactor
NT1 Beznau-1 Reactor
NT1 Beznau-2 Reactor
NT1 Biblis-1 Reactor
NT1 Biblis-2 Reactor
NT1 Biblis-3 Reactor
NT1 Biblis-4 Reactor
NT1 Biblis-A Reactor
NT1 Biblis-B Reactor
NT1 Blue Hills-1 Reactor
NT1 Blue Hills-2 Reactor
NT1 Bohunice V-1 Reactor
NT1 Borssele Reactor
NT1 BR-3 Reactor
NT1 Braidwood-1 Reactor
NT1 Braidwood-2 Reactor
NT1 Brokdorf Reactor
NT1 Bugey-2 Reactor
NT1 Bugey-3 Reactor
NT1 Bugey-4 Reactor
NT1 Bugey-5 Reactor
NT1 BW Standard Reactor
NT1 Byron-1 Reactor
NT1 Byron-2 Reactor
NT1 Calhoun-1 Reactor
NT1 Calhoun-2 Reactor
NT1 Callaway-1 Reactor
NT1 Callaway-2 Reactor
NT1 Calvert Cliffs-1 Reactor
NT1 Calvert Cliffs-2 Reactor
NT1 Catawba-1 Reactor
NT1 Catawba-2 Reactor
NT1 Cattenom-1 Reactor
NT1 Cattenom-2 Reactor
NT1 Cattenom-3 Reactor
NT1 Cattenom-4 Reactor
NT1 CE Standard Reactor
NT1 Cherokee-1 Reactor
NT1 Cherokee-2 Reactor
NT1 Cherokee-3 Reactor
NT1 Comanche Peak-1 Reactor
NT1 Comanche Peak-2 Reactor
NT1 Connecticut Yankee Reactor
NT1 Cook-1 Reactor
NT1 Cook-2 Reactor
NT1 Cruas-2 Reactor
NT1 Cruas-3 Reactor
NT1 Cruas-4 Reactor
NT1 Crystal River-3 Reactor
NT1 Crystal River-4 Reactor
NT1 Dampierre-1 Reactor
NT1 Davis Besse-1 Reactor
NT1 Davis Besse-2 Reactor
NT1 Davis Besse-3 Reactor
NT1 Daya Bay Reactor
NT1 Diablo Canyon-1 Reactor
NT1 Diablo Canyon-2 Reactor
NT1 Doel-1 Reactor
NT1 Doel-2 Reactor
NT1 Doel-3 Reactor
NT1 Doel-4 Reactor
NT1 Dukovany V-2 Reactor
NT1 EFDR-50 Reactor
NT1 Emsland Reactor
NT1 Enrico Fermi Reactor
NT1 Erie-1 Reactor
NT1 Erie-2 Reactor
NT1 Farley-1 Reactor
NT1 Farley-2 Reactor
NT1 Fessenheim-1 Reactor
NT1 Flamanville-1 Reactor
NT1 Flamanville-2 Reactor
NT1 Forked River-1 Reactor
NT1 Genkai-1 Reactor
NT1 Genkai-2 Reactor
NT1 Genkai-3 Reactor
NT1 Genkai-4 Reactor
NT1 Ginna-1 Reactor
NT1 Goesgen Reactor
NT1 Golfech-1 Reactor
NT1 Grafenrheinfeld Reactor
NT1 Gravelines-B1 Reactor
NT1 Gravelines-C6 Reactor
NT1 Greene County Reactor
NT1 Greenwood-2 Reactor
NT1 Greenwood-3 Reactor
NT1 Grohnde Reactor
NT1 Hamm-Uentrop Reactor
NT1 Harris-1 Reactor
NT1 Harris-2 Reactor
NT1 Harris-3 Reactor
NT1 Harris-4 Reactor
NT1 Haven-1 Reactor
NT1 Haven-2 Reactor
NT1 Ikata-2 Reactor
NT1 Ikata-3 Reactor
NT1 Ikata Reactor
NT1 Indian Point-1 Reactor
NT1 Indian Point-2 Reactor
NT1 Indian Point-3 Reactor
NT1 Iran-1 Reactor
NT1 Iran-2 Reactor
NT1 Isar-2 Reactor
NT1 Jamesport-1 Reactor
NT1 Jamesport-2 Reactor
NT1 Kewaunee Reactor
NT1 Koeberg-1 Reactor
NT1 Koeberg-2 Reactor
NT1 Kori-1 Reactor
NT1 Kori-2 Reactor
NT1 Koshkonong-1 Reactor
NT1 Koshkonong-2 Reactor
NT1 Kozloduy-1 Reactor
NT1 Kozloduy-2 Reactor
NT1 Krsko Reactor
NT1 Lemoniz-1 Reactor
NT1 Lemoniz-2 Reactor
NT1 Lenin Reactor
NT1 Loft Reactor
NT1 Lucie-1 Reactor
NT1 Lucie-2 Reactor
NT1 Maanshan-1 Reactor
NT1 Maine Yankee Reactor
NT1 Malibu-1 Reactor
NT1 Marble Hill-1 Reactor
NT1 Marble Hill-2 Reactor
NT1 Mc Guire-1 Reactor
NT1 Mc Guire-2 Reactor
NT1 MH-1A Reactor
NT1 Midland-1 Reactor
NT1 Midland-2 Reactor
NT1 Mihama-1 Reactor
NT1 Mihama-2 Reactor
NT1 Mihama-3 Reactor
NT1 Millstone-2 Reactor

NT1 Millstone-3 Reactor
NT1 Muelheim-Kaerlich Reactor
NT1 Mutsu Reactor
NT1 Neckar-1 Reactor
NT1 Neckar-2 Reactor
NT1 NEP-1 Reactor
NT1 NEP-2 Reactor
NT1 Neupotz-1 Reactor
NT1 Neupotz-2 Reactor
NT1 Nogent sur Seine-1 Reactor
NT1 Nogent sur Seine-2 Reactor
NT1 North Anna-1 Reactor
NT1 North Anna-2 Reactor
NT1 North Anna-3 Reactor
NT1 North Anna-4 Reactor
NT1 North Coast-1 Reactor
NT1 Obrigheim Reactor
NT1 Oconee-1 Reactor
NT1 Oconee-2 Reactor
NT1 Oconee-3 Reactor
NT1 Oi-1 Reactor
NT1 Oi-2 Reactor
NT1 Oi-3 Reactor
NT1 Oi-4 Reactor
NT1 Oktemberyan-2 Reactor
NT1 Otto Hahn Reactor
NT1 Palisades-1 Reactor
NT1 Palo Verde-1 Reactor
NT1 Palo Verde-2 Reactor
NT1 Palo Verde-3 Reactor
NT1 Palo Verde-4 Reactor
NT1 Palo Verde-5 Reactor
NT1 Paluel-1 Reactor
NT1 Paluel-2 Reactor
NT1 Paluel-3 Reactor
NT1 Paluel-4 Reactor
NT1 PAT Reactor
NT1 Pebble Springs-1 Reactor
NT1 Pebble Springs-2 Reactor
NT1 Penly-1 Reactor
NT1 Perkins-1 Reactor
NT1 Perkins-2 Reactor
NT1 Perkins-3 Reactor
NT1 Philippsburg-2 Reactor
NT1 Pilgrim-2 Reactor
NT1 Pilgrim-3 Reactor
NT1 PM-2A Reactor
NT1 PM-3A Reactor
NT1 PNPP-1 Reactor
NT1 Point Beach-1 Reactor
NT1 Point Beach-2 Reactor
NT1 Prairie Island-1 Reactor
NT1 Prairie Island-2 Reactor
NT1 Qinshan Reactor
NT1 Quanicassee-1 Reactor
NT1 Quanicassee-2 Reactor
NT1 Rancho Seco-1 Reactor
NT1 Remerschen Reactor
NT1 Rheinsberg AKW1 Reactor
NT1 Ringhals-2 Reactor
NT1 Ringhals-3 Reactor
NT1 Ringhals-4 Reactor
NT1 Robinson-2 Reactor
NT1 Rooppur Reactor
NT1 Rowe Yankee Reactor
NT1 S1C Prototype Reactor
NT1 Saint Alban-1 Reactor
NT1 Saint Alban-2 Reactor
NT1 Salem-1 Reactor
NT1 Salem-2 Reactor
NT1 San Onofre-1 Reactor
NT1 San Onofre-2 Reactor
NT1 San Onofre-3 Reactor
NT1 Savannah Reactor
NT1 Saxton Reactor
NT1 Seabrook-1 Reactor
NT1 Seabrook-2 Reactor
NT1 Selni Reactor
NT1 Sendai-1 Reactor
NT1 Sendai-2 Reactor
NT1 Sequoyah-1 Reactor
NT1 Sequoyah-2 Reactor
NT1 Shippingport Reactor
NT1 Sizewell-B Reactor
NT1 SM-1 Reactor
NT1 SM-1A Reactor
NT1 South Texas Project-1 Reactor
NT1 South Texas Project-2 Reactor
NT1 Stade Reactor
NT1 Sterling-1 Reactor
NT1 Sterling-2 Reactor
NT1 Summer-1 Reactor
NT1 Sundesert-1 Reactor
NT1 Sundesert-2 Reactor
NT1 Surry-1 Reactor
NT1 Surry-2 Reactor
NT1 Surry-3 Reactor
NT1 Surry-4 Reactor
NT1 Takahama-1 Reactor
NT1 Takahama-2 Reactor
NT1 Takahama-3 Reactor
NT1 Takahama-4 Reactor
NT1 THR Reactor
NT1 Three Mile Island-1 Reactor
NT1 Three Mile Island-2 Reactor
NT1 Tihange-2 Reactor
NT1 Tihange-3 Reactor
NT1 Tihange Reactor
NT1 Tomari-1 Reactor
NT1 Tomari-2 Reactor
NT1 Tricastin-1 Reactor
NT1 Tricastin-4 Reactor
NT1 Trillo-1 Reactor
NT1 Trojan Reactor
NT1 Tsuruga-2 Reactor
NT1 Turkey Point-3 Reactor
NT1 Turkey Point-4 Reactor
NT1 TVA-1 Reactor
NT1 TVA-2 Reactor
NT1 Tyrone-1 Reactor
NT1 Tyrone-2 Reactor
NT1 Ulchin-1 Reactor
NT1 Ulchin-2 Reactor
NT1 Unterweser Reactor
NT1 Vahnum-1 Reactor
NT1 Vahnum-2 Reactor
NT1 Vandellos-2 Reactor
NT1 Vogtle-1 Reactor
NT1 Vogtle-2 Reactor
NT1 Vogtle-3 Reactor
NT1 Vogtle-4 Reactor
NT1 Waterford-3 Reactor
NT1 Waterford-4 Reactor
NT1 Watts Bar-1 Reactor
NT1 Watts Bar-2 Reactor
NT1 Westinghouse Standard Reactor
NT1 WNP-1 Reactor
NT1 WNP-3 Reactor
NT1 WNP-4 Reactor
NT1 WNP-5 Reactor
NT1 Wolf Creek-1 Reactor
NT1 WUP-3 Reactor
NT1 WUP-4 Reactor
NT1 WUP-5 Reactor
NT1 WUP-6 Reactor
* NT1 WWER Type Reactors
NT1 Wyhl-1 Reactor
NT1 Wyhl-2 Reactor
NT1 Yellow Creek-1 Reactor
NT1 Yellow Creek-2 Reactor
NT1 Zarnowiec Reactor
NT1 Zion-1 Reactor
NT1 Zion-2 Reactor
NT1 Zorita-1 Reactor

PWR/41 Type Reactors
DA February 13, 1975
USE Westinghouse Standard Reactor

PWR/80 Type Reactors
DA February 13, 1975
USE CE Standard Reactor

PWR/241 Type Reactors
DA February 13, 1975
USE BW Standard Reactor

PYCNOMETERS [01]
DA December 1, 1974
BT1 Densimeters
BT2 Measuring Instruments

PYRANOMETERS
DA January 22, 1975
BT1 Measuring Instruments
BT1 Solar Equipment
BT2 Equipment
RT Photometers
RT Radiometers
RT Solar Radiation

PYRANS [01]
DA December 1, 1974
BT1 Heterocyclic Compounds
BT2 Organic Compounds
BT1 Organic Oxygen Compounds
BT2 Organic Compounds
NT1 Coumarin
NT1 Hematoxylin
NT1 Pyrones
NT2 Chromone
NT1 Quercetin
NT1 Tetrahydropyran
DEF Compounds that contain a six-membered heterocyclic ring containing one oxygen atom.

PYRAZINES [01]
DA December 1, 1974
UF *1,4-Diazines*
BT1 Azines
BT2 Heterocyclic Compounds
BT3 Organic Compounds
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
NT1 Neutral Red
NT1 Phenazine
NT1 Piperazines
RT Pteridines
DEF Compounds that contain a six-membered heterocyclic ring containing nitrogen atoms in the 1 and 4 positions.

PYRAZOLES [01]
DA December 1, 1974
BT1 Azoles
BT2 Heterocyclic Compounds
BT3 Organic Compounds
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
NT1 Indazoles
NT1 Pyrazolines
NT2 Antipyrine
DEF Compounds contain a five-membered heterocyclic ring containing nitrogen atoms in the 1 and 2 positions.

PYRAZOLINES [01]
DA December 1, 1974
UF *DAM*
UF *Diantipyrylmethane*
BT1 Pyrazoles
BT2 Azoles
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
NT1 Antipyrine

PYRENE [01]
DA December 1, 1974
BT1 Condensed Aromatics
BT2 Aromatics
BT3 Organic Compounds
BT1 Hydrocarbons
BT2 Organic Compounds

PYREX [01]
DA December 1, 1974
BT1 Borosilicate Glass
BT2 Glass

PYRHELIOMETERS
DA January 22, 1975
BT1 Measuring Instruments
BT1 Solar Equipment
BT2 Equipment
BT1 Telescopes
RT Solar Flux

PYRIDAZINES [01]
DA December 1, 1974
BT1 Azines
BT2 Heterocyclic Compounds
BT3 Organic Compounds
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
NT1 Phthalazines
NT2 Luminol
DEF Compounds that contain six-membered heterocyclic ring containing nitrogen atoms in the 1 and 2 positions.

→**PYRIDINE [01]**
(Prior to April 1992 this was a valid descriptor. From April to October

1992 PYRIDINES was used for this concept.)
DA October 13, 1992
BT1 Pyridines
BT2 Azines
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds

Pyridineazohydroxynaphthalene
DA December 1, 1974
USE PAN

2-Pyridinecarboxylic Acid
DA December 1, 1974
USE Picolinic Acid

PYRIDINES [01]
DA December 1, 1974
BT1 Azines
BT2 Heterocyclic Compounds
BT3 Organic Compounds
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
NT1 Acridines
NT2 Acridine Orange
NT2 Acridones
NT2 Flavines
NT3 Acriflavine
NT3 Proflavine
NT1 Bipyridines
NT1 Diodrast
NT1 Nicotinamide
NT1 Nicotine
NT1 Nicotinic Acid
NT1 PAN
NT1 Phenatine
NT1 Picolines
NT2 Picolinic Acid
NT1 Piperidines
NT2 Dipyridamole
NT2 Pethidine
NT2 Triacetoneamine-N-Oxyl
NT1 Pyridine
NT1 Pyridinium Compounds
NT1 Pyridoxal
NT1 Pyridoxine
NT1 Pyridoxylideneglutamate
NT1 Pyridylazoresorcinol
NT1 Quinolines
NT2 Ferron
NT2 Kynurenic Acid
NT2 Oxine
NT2 Quinaldine
RT Isoniazid
RT NAD
DEF Compounds that contain a six-membered heterocyclic ring containing one nitrogen atom.

PYRIDINIUM COMPOUNDS [01]
DA December 1, 1974
BT1 Pyridines
BT2 Azines
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
BT1 Quaternary Compounds
BT2 Amines
BT3 Organic Compounds
BT2 Ammonium Compounds

PYRIDOXAL [01]
DA December 1, 1974
BT1 Aldehydes
BT2 Organic Compounds
BT1 Organic Oxygen Compounds
BT2 Organic Compounds
BT1 Pyridines
BT2 Azines
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
RT Coenzymes
RT Picolines
RT Vitamin B Group

PYRIDOXINE [01]
DA December 1, 1974
UF *Vitamin B-6*
BT1 Hydroxy Compounds
BT2 Organic Compounds
BT1 Pyridines
BT2 Azines
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
BT1 Vitamin B Group
BT2 Vitamins

PYRIDOXYLIDENEGLUTAMATE [01]
DA March 8, 1978
BT1 Glutamic Acid
BT2 Amino Acids
BT3 Carboxylic Acids
BT4 Organic Acids
BT5 Organic Compounds
BT1 Pyridines
BT2 Azines
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds

PYRIDYL RADICALS [01]
DA December 1, 1974
BT1 Radicals

Pyridylazonaphthol
DA December 1, 1974
USE PAN

PYRIDYLAZORESORCINOL [01]
DA December 1, 1974
BT1 Diazo Compounds
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
BT1 Polyphenols
BT2 Phenols
BT3 Aromatics
BT4 Organic Compounds
BT3 Hydroxy Compounds
BT4 Organic Compounds
BT1 Pyridines
BT2 Azines
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
BT1 Reagents

PYRIMIDINE DIMERS [01]
DA June 29, 1984
RT DNA Repair
RT Mutations
RT Pyrimidines
RT Strand Breaks
DEF The product of the chemical fusion of two neighboring pyrimidine dimers which results from radiation exposure of the cell.

PYRIMIDINES [01]
DA December 1, 1974
UF *1,3-Diazines*
BT1 Azines
BT2 Heterocyclic Compounds
BT3 Organic Compounds
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
NT1 Alloxan
NT1 Barbiturates
NT2 Amytal
NT2 Nembutal
NT2 Phenobarbital
NT2 Thiopental
NT1 Cytidine
NT1 Cytosine
NT1 Deoxycytidine
NT1 Murexide
NT1 Sulfadiazine
NT1 Thiamine
NT1 Thymidine
NT1 Uracils
NT2 Bromouracils
NT3 BUDR
NT2 Chlorouracils
NT2 Deoxyuridine
NT2 Fluorouracils
NT3 FUDR
NT2 Iodouracils
NT3 Iododeoxyuridine
NT2 Orotic Acid
NT2 Thiouracil
NT2 Thymine
NT2 Uridine
RT Nucleosides
RT Pteridines
RT Pyrimidine Dimers
DEF Compounds that contain a six-membered heterocyclic ring containing nitrogen atoms in the 1 and 3 positions.

PYRITE [01]
DA April 30, 1975
UF *Pyrites*
BT1 Sulfide Minerals
BT2 Minerals
RT Iron Ores
RT Iron Sulfides
RT Ledgemont Process
RT Marcasite

Pyrites
(Prior to May 1982 this was a valid descriptor and older material is so indexed.)
DA April 19, 1976
USE Pyrite

Pyrocarbon
DA April 29, 1975
USE Pyrolytic Carbon

Pyrocatechin
DA December 1, 1974
USE Pyrocatechol

PYROCATECHOL [01]
DA December 1, 1974
UF *1,2-Dihydroxybenzene*
UF *Catechol*
UF *Dihydroxybenzene-ortho*
UF *Pyrocatechin*
BT1 Developers
BT1 Polyphenols
BT2 Phenols
BT3 Aromatics
BT4 Organic Compounds
BT3 Hydroxy Compounds
BT4 Organic Compounds
RT Catecholamines
RT Dopamine
RT Pyrocatechol Violet

PYROCATECHOL VIOLET [01]
DA December 1, 1974
BT1 Dyes
BT1 Indicators
RT Pyrocatechol

PYROCHEMICAL REPROCESSING [01]
DA December 10, 1979
UF *Melt Refining Process*
UF *Salt Transport Process*
UF *Zinc Distillation Process*
BT1 Reprocessing
BT2 Separation Processes
DEF Processes that are carried out at elevated temperatures to effect the chemical reactions and transformations required to purify and recover spent reactor fuels. Molten metals or salts rather than aqueous or organic liquids are used to effect the purification.

PYROCHLORE
DA February 11, 1982
UF *Pyrrhite*
BT1 Minerals

PYROELECTRIC DETECTORS [01]
DA May 25, 1979
BT1 Radiation Detectors
BT2 Measuring Instruments

PYROELECTRIC EFFECT
DA January 22, 1975
RT Electric Charges

RT Electric Potential
DEF Electric polarity produced in certain crystals by a change in temperature.

Pyrogallic Acid
DA December 1, 1974
USE Pyrogallol

PYROGALLOL [01]
DA December 1, 1974
UF *1,2,3-Trihydroxybenzene*
UF *Pyrogallic Acid*
BT1 Developers
BT1 Polyphenols
BT2 Phenols
BT3 Aromatics
BT4 Organic Compounds
BT3 Hydroxy Compounds
BT4 Organic Compounds

PYROGENS [01]
DA December 1, 1974
RT Fever
RT Peptides
RT Polysaccharides

PYROLYSIS [01]
DA December 1, 1974
UF *Thermal Decomposition*
BT1 Decomposition
BT2 Chemical Reactions
BT1 Thermochemical Processes
NT1 Calcination
NT1 Cracking
NT2 Catalytic Cracking
NT2 Hydrocracking
NT2 Thermal Cracking
NT1 Flash Hydropyrolysis Process
RT Baille Process
RT Destructive Distillation
RT Dissociation
RT Landgard Pyrolysis System
RT Occidental Flash Pyrolysis Process
RT Purox Pyrolysis Process
RT Pyrolysis Products
RT Retorting
RT ROPE Process
RT Syngas Process
RT Thermal Degradation

PYROLYSIS PRODUCTS [01]
DA July 24, 1979
NT1 Chars
NT1 Coal Gas
NT1 Pyrolytic Gases
NT1 Pyrolytic Oils
RT By-Products
RT Combustion Products
RT Pyrolysis
RT Synthetic Fuels
RT Volatile Matter
RT Wastes
DEF Products from the pyrolysis or thermochemical reactions of carbonaceous materials (excluding coal and oil shale).

PYROLYTIC CARBON [01]
DA December 1, 1974
UF *Pyrocarbon*
BT1 Carbon
BT2 Nonmetals
BT3 Elements

PYROLYTIC GASES [01]
DA July 24, 1979
BT1 Gases
BT2 Fluids
BT1 Pyrolysis Products
RT Chemical Feedstocks
RT Pyrolytic Oils
RT Synthetic Fuels
RT Volatile Matter
DEF Gaseous products from the pyrolysis or thermochemical reactions of carbonaceous materials (excluding coal and oil shale.

PYROLYTIC OILS [01]
DA October 23, 1978
BT1 Oils
BT2 Other Organic Compounds
BT3 Organic Compounds
BT1 Pyrolysis Products
BT1 Synthetic Fuels
BT2 Fuels
RT Coal Liquids
RT Pyrolytic Gases
RT Shale Oil
RT Volatile Matter
DEF Oils produced from organic materials (excluding coal and oil shale) by pyrolysis or thermochemical reactions.

PYROMETALLURGY [01]
DA December 1, 1974
BT1 Extractive Metallurgy
BT2 Metallurgy
NT1 Chloride Volatility Process
NT1 Fluoride Volatility Process
RT Calcination
RT Reduction
RT Roasting
RT Smelters
RT Smelting

PYROMETERS [01]
DA December 1, 1974
BT1 Measuring Instruments
NT1 Optical Pyrometers
RT Temperature Measurement
DEF Instrumemts that measures high temperature, e.g. of molten lavas, by electrical or optical means

PYRONES
DA October 23, 1979
BT1 Pyrans
BT2 Heterocyclic Compounds
BT3 Organic Compounds
BT2 Organic Oxygen Compounds
BT3 Organic Compounds
NT1 Chromone
DEF Oxopyran.

PYROPHOSPHATES [01]
DA December 1, 1974
BT1 Oxygen Compounds
BT1 Phosphorus Compounds

PYROPHYLLITE
DA April 30, 1975
BT1 Aluminium Silicates
BT2 Aluminium Compounds
BT2 Silicates
BT3 Oxygen Compounds
BT3 Silicon Compounds
BT1 Silicate Minerals
BT2 Minerals
DEF A white, greenish, gray, or brown mineral: $AlSi_2O_5(OH)$.

PYROSOL PROCESS
DA September 24, 1985
BT1 Coal Liquefaction
BT2 Liquefaction
BT3 Thermochemical Processes
DEF A two-step coal hydrogenation process, including partial hydrogenation at 455 to 465°C and a pressure of 200bar and coking of the hydrogenation residue in the presence of hydrogen at about 500°C.

PYROTECHNIC DEVICES
DA May 15, 1975
RT Ammunition
RT Chemical Explosives

Pyrotek Process
DA April 12, 1977
USE Low BTU Gas
AND Waste Processing
DEF Shredded refuse is heated on a vibrating conveyor in less than stoichiometric air to produce low Btu gas in this process developed by Foster Wheeler Corp.

PYROXENES
DA January 22, 1975
BT1 Minerals
BT1 Silicates
BT2 Oxygen Compounds
BT2 Silicon Compounds
NT1 Diopside
NT1 Enstatite
NT1 Hedenbergite
RT Silicate Minerals
DEF A group of dark, rock-forming silicate minerals having the general formula: $ABSi_2O_6$, where A=Ca,Na,Mg, or Fe^{+2}, and B=Mg,Fe^{+3}, or Al.

Pyroxylin
DA December 1, 1974
USE Nitrocellulose

Pyrrhite
DA February 10, 1984
USE Pyrochlore

PYRRHOTITE [01]
DA March 31, 1976
BT1 Iron Sulfides
BT2 Iron Compounds
BT3 Transition Element Compounds
BT2 Sulfides
BT3 Chalcogenides
BT3 Sulfur Compounds
BT1 Sulfide Minerals
BT2 Minerals
NT1 Troilite
DEF A common reddish-brown to bronze hexagonal mineral.

Pyrrolase (Tryptophan)
DA December 1, 1974
USE Tryptophan Oxygenase

PYRROLES [01]
DA December 1, 1974
BT1 Azoles
BT2 Heterocyclic Compounds
BT3 Organic Compounds
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
NT1 Bilirubin
NT1 Biliverdin
NT1 Indoles
NT2 Indigo
NT2 Indocyanine Green
NT2 Lysergic Acid
NT2 Reserpine
NT2 Strychnine
NT2 Tryptamines
NT3 Melatonin
NT3 Serotonin
NT4 Bufotenine
NT2 Tryptophan
NT2 Vinblastine
NT1 Pyrrolidines
NT2 Hydroxyproline
NT2 Nicotine
NT2 Proline
NT1 Pyrrolidones
NT2 PVP
NT1 Stercobilin
NT1 Urobilinogen
RT Carbazoles
DEF Compounds that contain a five-membered heterocyclic ring containing one nitrogen atom.

2-Pyrrolidinecarboxylic Acid
DA December 1, 1974
USE Proline

PYRROLIDINES [01]
DA December 1, 1974
UF *Tetrahydropyrroles*
BT1 Amines
BT2 Organic Compounds
BT1 Pyrroles
BT2 Azoles
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
NT1 Hydroxyproline

NT1 Nicotine
NT1 Proline

PYRROLIDONES [01]
DA December 1, 1974
BT1 Lactams
BT2 Amides
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
BT1 Pyrroles
BT2 Azoles
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
NT1 PVP

PYRUVIC ACID [01]
DA December 1, 1974
UF *Ketopropionic Acid-alpha*
BT1 Keto Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds

PZT [01]
DA December 23, 1982
UF *Lead Zirconite Titanate*
BT1 Lead Compounds
BT1 Titanates
BT2 Oxygen Compounds
BT2 Titanium Compounds
BT3 Transition Element Compounds
BT1 Zirconates
BT2 Oxygen Compounds
BT2 Zirconium Compounds
BT3 Transition Element Compounds
RT Ceramics
RT Transducers
DEF A combination of $PbTiO_3$ and $PbZrO_3$ used for piezoelectric transducers.

Q CENTERS [01]
DA November 10, 1977
BT1 Color Centers
BT2 Vacancies
BT3 Point Defects
BT4 Crystal Defects
BT5 Crystal Structure

Q CODES [01]
DA December 1, 1974
BT1 Computer Codes

Q DEVICES [01]
DA December 1, 1974
BT1 Open Plasma Devices
BT2 Thermonuclear Devices
NT1 Helios Devices
NT1 QP Devices
RT Magnetic Mirrors

Q Enhancement
DA December 1, 1974
SEE K1-1280 Mesons
OR K1-1400 Mesons

Q Resonances
(Prior to April 1989 this was a valid descriptor.)
DA December 1, 1974
SEE K1-1280 Mesons
OR K1-1400 Mesons

Q-SHIFT [01]
DA August 26, 1976
RT Betatron Oscillations
RT Particle Beams

Q-SWITCHING [01]
DA December 1, 1974
RT Lasers
RT Switches

Q-VALUE [01]
DA December 1, 1974
BT1 Energy
RT Nuclear Reaction Kinetics

QATAR [01]
DA October 13, 1976
BT1 Arab Countries
BT1 Asia
BT1 Developing Countries
BT1 Middle East
RT OAPEC
RT OPEC

QF (Radiation)
DA December 1, 1974
USE Quality Factor

Qinshan-1 Reactor
(During 1991, this was a valid descriptor used to index the concept CHINSHAN-1 REACTOR.)
DA January 22, 1991
SEE Chinshan-1 Reactor

Qinshan-2 Reactor
(During 1991, this was a valid descriptor used to index the concept, CHINSHAN-2 REACTOR.)
DA January 22, 1991
SEE Chinshan-2 Reactor

QINSHAN REACTOR [01]
(Near Shanghai, China.)
DA September 5, 1986
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

QP DEVICES [01]
DA December 1, 1974
BT1 Q Devices
BT2 Open Plasma Devices
BT3 Thermonuclear Devices

QUAD CITIES-1 REACTOR [01]
(Cordova, Illinois, USA)
DA December 1, 1974
UF *Cordova Quad Cities-1 Reactor*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

QUAD CITIES-2 REACTOR [01]
(Cordova, Illinois, USA)
DA December 1, 1974
UF *Cordova Quad Cities-2 Reactor*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

QUADRATURES [01]
DA December 1, 1974
UF *Gauss Quadratures*
RT Integrals

QUADRICYCLENE
DA December 22, 1977
BT1 Cycloalkenes
BT2 Alkenes
BT3 Hydrocarbons
BT4 Organic Compounds

QUADRUPOLAR CONFIGURATIONS [01]
DA December 1, 1974
BT1 Multipolar Configurations
BT2 Closed Configurations
BT3 Magnetic Field Configurations

QUADRUPOLE LINACS [01]
DA January 9, 1981
BT1 Linear Accelerators
BT2 Accelerators
RT FMIT Linac
DEF A linear accelerator having four longtudinal vanes in its resonating cavity, which are shaped to create RF electric fields that simultaneously accelerate, bunch, and focus the charged particle beam.

QUADRUPOLE MOMENTS [01]
DA December 1, 1974
RT Electric Moments
RT Magnetic Moments
RT Nuclear Electric Moments
RT Nuclear Magnetic Moments
RT Nuclear Quadrupole Resonance
RT Quadrupoles

QUADRUPOLES [01]
DA December 1, 1974
BT1 Multipoles
RT Beam Focusing Magnets
RT Quadrupole Moments

QUALITATIVE CHEMICAL ANALYSIS [01]
DA December 1, 1974
UF *Analysis (Qualitative Chemical)*
UF *Assaying*
UF+ *Urinalysis*
BT1 Chemical Analysis
RT Activation Analysis
RT Blood Chemistry
RT Chemistry
RT Emission Spectroscopy
RT Microanalysis
RT Radioassay

QUALITY ASSURANCE [01]
DA December 1, 1974
RT Audits
RT Certification
RT Quality Control
RT Reliability
RT Safety
RT Standardization
DEF The planned and systemtic actions necessary to provide adequate confidence that a structure, system, or component will perform satisfactorily in service.

QUALITY CONTROL [01]
DA December 1, 1974
BT1 Control
RT Errors
RT Inspection
RT Materials Testing
RT Nondestructive Testing
RT Performance Testing
RT Quality Assurance
RT Reliability
RT Safety
RT Sampling
RT Specifications
RT Standardization
RT Tolerance
DEF An aggregate of functions designed to insure adequate quality in manufactured products by initial critical study of engineering design, materials, processes, equipment, and workmanship followed by periodic inspection and analysis.

QUALITY FACTOR [01]
DA December 1, 1974
UF *QF (Radiation)*
RT Dose Equivalents

RT LET
RT Oxygen Enhancement Ratio
RT Radiation Quality
RT RBE

QUALITY OF LIFE
DA November 14, 1978
SF *Way of Life*
RT Environmental Quality
RT Life Styles
RT Standard of Living
RT Working Conditions

QUANICASSEE-1 REACTOR [01]
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

QUANICASSEE-2 REACTOR [01]
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

QUANTITATIVE CHEMICAL ANALYSIS [01]
DA December 1, 1974
UF *Analysis (Quantitative Chemical)*
BT1 Chemical Analysis
NT1 Gravimetric Analysis
NT2 Thermal Gravimetric Analysis
NT1 Radio Release Analysis
NT1 Radiochemical Analysis
NT1 Radiometric Analysis
NT1 Volumetric Analysis
RT Activation Analysis
RT Amperometry
RT Blood Chemistry
RT Body Composition
RT Chemical Composition
RT Chemistry
RT Concentration Ratio
RT Emission Spectroscopy
RT Fluorescence Spectroscopy
RT Gas Analysis
RT Iodometry
RT Isotope Dilution
RT Kjeldahl Method
RT Microanalysis
RT Polarography
RT Potentiometry
RT Radioenzymatic Assay
RT Raman Spectroscopy
RT Ring Oven Method
RT Substoichiometry
RT Titration
RT Voltametry
RT X-Ray Emission Analysis
RT X-Ray Fluorescence Analysis

Quantity Ratio
(Prior to July 1991 this was a valid descriptor.)
DA January 28, 1993
USE Concentration Ratio

QUANTIZATION [01]
DA March 24, 1983
NT1 Second Quantization
RT Quantum Field Theory
RT Quantum Mechanics
RT Quantum Operators
DEF Transition from a description of a system of particles or fields in the classical approximation to a description in which canonically conjugate variables are treated as noncommuting operators.

QUANTUM CHROMODYNAMICS [01]
DA November 28, 1977
UF *Chromodynamics*
BT1 Quantum Field Theory
BT2 Field Theories
RT Bag Model
RT CIM Model
RT Color Model
RT Flavor Model
RT Gluon-Gluon Interactions
RT Gluon Model
RT Gluons
RT Grand Unified Theory
RT Instantons
RT Quantum Electrodynamics
RT Quantum Flavordynamics
RT Quark-Gluon Interactions
RT Standard Model
RT Vector Fields
RT Wilson Loop
RT Yang-Mills Theory
DEF Yang Mills field theories describing interactions of color charges

QUANTUM CRYSTALS
DA February 20, 1975
BT1 Crystals
RT Quantum Mechanics
DEF Crystals with large zero-point motions caused by light mass and a weak interaction of the lattice particles

QUANTUM EFFICIENCY [01]
DA September 6, 1979
BT1 Efficiency
DEF Average number of electrons emitted per incident photon

QUANTUM ELECTRODYNAMICS [01]
DA December 1, 1974
BT1 Electrodynamics
BT1 Quantum Field Theory
BT2 Field Theories
NT1 Schwinger Tomonaga Formalism
RT Bhabha Scattering
RT Dirac Equation
RT Dirac Operators
RT Equivalent-Photon Approximation
RT Infrared Divergences
RT Joos-Weinberg Equation
RT Moeller Scattering
RT Quantum Chromodynamics
RT Quantum Flavordynamics
RT Self Energy
RT Standard Model
RT Ultraviolet Divergences
RT Vacuum Polarization
RT Ward Identity

QUANTUM ELECTRONICS [01]
DA August 4, 1976
UF *Electronics (Quantum)*
RT Lasers
RT Masers
RT Optics
RT Quantum Mechanics
RT Spectroscopy
DEF Unites the classical areas of electronics with those of optics, spectroscopy, and quantum mechanics and is based upon the quantum nature of waves and atomic and molecular systems.

QUANTUM FIELD THEORY [01]
DA December 1, 1974
BT1 Field Theories
NT1 Axiomatic Field Theory
NT2 Algebraic Field Theory
NT2 LSZ Theory
NT2 Wightman Field Theory
NT1 Constructive Field Theory
NT1 Lagrangian Field Theory
NT1 Lattice Field Theory
NT1 Phi4 Field Theory
NT1 Quantum Chromodynamics
NT1 Quantum Electrodynamics
NT2 Schwinger-Tomonaga Formalism
NT1 Quantum Flavordynamics
NT1 Quantum Gravity
NT1 Yukawa Nonlocal Theory
RT Anyons
RT Bethe-Salpeter Equation
RT Current Algebra
RT Dispersion Relations
RT Dyson Representation
RT Feynman Diagram
RT Field Algebra
RT Field Operators
RT Fock Representation
RT Gauge Invariance
RT Goldberger-Treiman Relation
RT Haag Theorem
RT Heisenberg Picture
RT Higgs Model
RT Ladder Approximation
RT Lehmann Kaellen Representation
RT Locality
RT Mass Formulae
RT Massless Particles
RT Melosh Transformation
RT Propagator
RT Quantization
RT Quantum Mechanics
RT Quasipotential Equation
RT Radiative Corrections
RT Regge Poles
RT Renormalization
RT S Matrix
RT Scalar Fields
RT Scale Dimension
RT Schroedinger Picture
RT Schwinger Functional Equations
RT Schwinger Source Theory
RT Second Quantization
RT sine Gordon Equation
RT Spinor Fields
RT Sugawara Theory
RT Supergravity
RT Supersymmetry
RT Tensor Fields
RT Thirring Model
RT Vector Fields
RT Vertex Functions
RT Wick Theorem
RT Yang Feldman Formalism
RT Yang Mills Theory
RT Zachariasen Model

QUANTUM FLAVORDYNAMICS [01]
DA May 25, 1979
UF *Flavordynamics*
BT1 Quantum Field Theory
BT2 Field Theories
RT Flavor Model
RT Quantum Chromodynamics
RT Quantum Electrodynamics
RT Weinberg Salam Gauge Model

QUANTUM FLUIDS [01]
DA May 2, 1979
BT1 Fluids
NT1 Helium II
RT Helium 3
RT Helium 4
RT Quantum Plasma

QUANTUM GRAVITY [01]
DA December 20, 1978
BT1 Quantum Field Theory
BT2 Field Theories
RT General Relativity Theory
RT Gravitation
RT Gravitational Fields
RT Gravitons
RT Supergravity
RT Unified Field Theories

QUANTUM MECHANICS [01]
DA December 1, 1974
BT1 Mechanics
RT Adiabatic Approximation

RT Adiabatic Invariance
RT Aharonov-Bohm Effect
RT Angular Momentum
RT Bell Theorem
RT Bloch Theory
RT Born Approximation
RT Boson Expansion
RT Canonical Transformations
RT Causality
RT Chirality
RT Commutation Relations
RT D Waves
RT De Broglie Wavelength
RT Density Matrix
RT Diabatic Approximation
RT Dirac Approximation
RT Eigenfunctions
RT Eigenstates
RT Eigenvalues
RT Energy Density
RT Expectation Value
RT F Waves
RT Feynman Path Integral
RT Fierz-Pauli Theory
RT Generator-Coordinate Method
RT Heisenberg Picture
RT Hidden Variables
RT HSK Procedure
RT Hylleraas Coordinates
RT Klein-Gordon Equation
RT Kramers Theorem
RT Levinson Theorem
RT Lippmann-Schwinger Equation
RT Mathematical Operators
RT Occupation Number
RT P Waves
RT Partial Waves
RT Pauli Principle
RT Perturbation Theory
RT Planck Law
RT Proca Equations
RT Projection Operators
RT Quantization
RT Quantum Crystals
RT Quantum Electronics
RT Quantum Field Theory
RT Quantum Numbers
RT Racah Coefficients
RT Rarita-Schwinger Theory
RT S Waves
RT Schroedinger Equation
RT Schroedinger Picture
RT Schwinger Variational Method
RT Second Quantization
RT Selection Rules
RT Semiclassical Approximation
RT Seniority Number
RT Sommerfeld-Watson Theory
RT Sum Rules
RT Superselection Rules
RT Tamm-Dancoff Method
RT Twistor Theory
RT Uncertainty Principle
RT Wigner Coefficients
RT Wigner Theory
RT Zitterbewegung

QUANTUM NUMBERS [01]
DA December 1, 1974
NT1 Seniority Number
RT Color Model
RT Flavor Model
RT Gell-Mann Theory
RT Multiplicity
RT Parity
RT Particle Properties
RT Quantum Mechanics
RT Spin

QUANTUM OPERATORS [01]
DA December 1, 1974
UF *Operators(Quantum Field Theory)*
UF *Operators(Quantum Mechanical)*
BT1 Mathematical Operators
NT1 Angular Momentum Operators
NT2 Orbital Momentum Operators
NT2 Pauli Spin Operators
NT1 Annihilation Operators
NT1 Commutators
NT2 Current Commutators
NT3 Sigma Terms
NT1 Creation Operators
NT1 Dirac Operators
NT1 Field Operators
NT1 Hamiltonians
NT1 Linear Momentum Operators
NT1 Moshinsky Transformation
NT1 Position Operators
RT Boson Expansion
RT Gluon Condensation
RT Operator Product Expansion
RT Quantization
RT Quark Condensation

QUANTUM PLASMA [01]
DA December 1, 1974
BT1 Plasma
RT Quantum Fluids

QUARANTINE [01]
DA December 1, 1974
RT Diseases
RT Health Hazards
RT Incubation
RT Latency Period
RT Pest Control
RT Public Health
RT Time Dependence

QUARK-ANTIQUARK INTERACTIONS [01]
DA February 23, 1979
BT1 Particle Interactions
BT2 Interactions

QUARK CONDENSATION [01]
DA May 11, 1989
RT Quantum Operators
RT Quarks

Quark Confinement
DA November 1, 1976
USE Bag Model

QUARK-GLUON INTERACTIONS [01]
DA March 7, 1983
BT1 Particle Interactions
BT2 Interactions
RT Gluons
RT Quantum Chromodynamics
RT Quark Matter
RT Quarks
RT Strong Interactions

Quark-Gluon Plasma
DA September 15, 1983
USE Quark Matter

QUARK-HADRON INTERACTIONS [01]
DA December 20, 1978
BT1 Particle Interactions
BT2 Interactions
RT CIM Model
RT Exchange Interactions
RT Quark Model

Quark Material
DA September 15, 1983
USE Quark Matter

QUARK MATTER [01]
DA September 15, 1983
UF *Plasma (Quark)*
UF *Quark-Gluon Plasma*
UF *Quark Material*
UF *Quark Plasma*
UF *Quark Sea*
BT1 Matter
RT Nuclear Matter
RT Quark-Gluon Interactions
RT Quark Model
RT Quarks
DEF A plasma of non-interacting quarks and gluons formed from hadronic matter at high energy densities.

QUARK MODEL [01]
DA December 1, 1974
BT1 Composite Models
BT2 Particle Models
BT3 Mathematical Models
NT1 Bag Model
NT1 Color Model
NT1 Flavor Model
NT2 Beauty Model
NT2 Truth Model
NT1 String Models
NT2 Superstring Models
RT Beauty Particles
RT Charm Particles
RT Exotic Resonances
RT Landau Quasi Particles
RT Parton Model
RT Quark-Hadron Interactions
RT Quark Matter
RT Quarkonium
RT Quarks

Quark Plasma
DA September 15, 1983
USE Quark Matter

QUARK-QUARK INTERACTIONS [01]
DA February 23, 1979
BT1 Particle Interactions
BT2 Interactions

Quark Sea
DA September 15, 1983
USE Quark Matter

QUARKONIUM [01]
DA May 23, 1980
NT1 Bottomonium
NT2 Chi B0-9860 Mesons
NT2 Chi B0-10235 Mesons
NT2 Chi B1-9895 Mesons
NT2 Chi B1-10255 Mesons
NT2 Chi B2-9915 Mesons
NT2 Chi B2-10270 Mesons
NT2 Upsilon-9460 Mesons
NT2 Upsilon-10023 Mesons
NT2 Upsilon-10355 Mesons
NT2 Upsilon-10575 Mesons
NT2 Upsilon-10860 Mesons
NT2 Upsilon-11020 Mesons
NT1 Charmonium
NT2 Chi0-3415 Mesons
NT2 Chi1-3510 Mesons
NT2 Chi2-3555 Mesons
NT2 Eta C-2980 Mesons
NT2 Eta C-3590 Mesons
NT2 J Psi-3097 Mesons
NT2 Psi-3685 Mesons
NT2 Psi 3770 Mesons
NT2 Psi-4030 Mesons
NT2 Psi-4160 Mesons
NT2 Psi-4415 Mesons
NT1 Strangeonium
NT2 F2-1525 Mesons
NT2 Phi J 1850 Mesons
NT2 Phi-1020 Mesons
NT2 Phi-1680 Mesons
NT1 Toponium
RT Baryonium
RT Bound State
RT Quark Model
DEF A bound state of a quark and an antiquark.

QUARKS [01]
DA December 1, 1974
UF *Aces*
UF *Triplet Particles*
BT1 Fermions
BT1 Postulated Particles
BT2 Elementary Particles
RT Centauro-Type Events
RT Composite Models
RT Grace Particles
RT Melosh Transformation
RT Preons
RT Quark Condensation
RT Quark-Gluon Interactions
RT Quark Matter
RT Quark Model
RT Taste Particles

QUARTET MODEL [01]
DA December 1, 1974
UF *Four-Nucleon Structure*
BT1 Nuclear Models
BT2 Mathematical Models
RT Cluster Model
RT Nuclear Structure

QUARTZ [01]
DA December 1, 1974
BT1 Oxide Minerals
BT2 Minerals
RT Aplites
RT Cristobalite
RT Granites
RT Granodiorites
RT Quartz Monzonite
RT Quartzites
RT Shales
RT Silicate Minerals
RT Silicon Oxides
DEF Crystalline silica, an important rock-forming mineral: SiO_2.

QUARTZ MONZONITE [01]
DA May 23, 1984
UF *Adamellite*
BT1 Granites
BT2 Plutonic Rocks
BT3 Igneous Rocks
BT4 Rocks
RT Feldspars
RT Petrogenesis
RT Petrology
RT Quartz

QUARTZITES [01]
DA December 1, 1974
BT1 Metamorphic Rocks
BT2 Rocks
RT Quartz
RT Sandstones
DEF A quartz rock derived from sandstone.

QUASARS [01]
DA December 1, 1974
BT1 Cosmic Radio Sources
NT1 Blue Stellar Objects
RT Bl Lacertae Objects
RT Radio Galaxies
RT Seyfert Galaxies
RT Stars

QUASI-ELASTIC SCATTERING [01]
DA December 1, 1974
BT1 Quasi-Free Reactions
BT2 Direct Reactions
BT3 Nuclear Reactions
BT1 Scattering
RT Elastic Scattering

QUASI-FISSION [01]
DA June 3, 1977
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions
RT Compound-Nucleus Reactions
RT Deep Inelastic Heavy Ion Reactions
RT Fission
RT Heavy Ion Fusion Reactions
RT Nuclear Fireball Model
RT Precompound-Nucleus Emission

QUASI-FREE REACTIONS [01]
DA January 31, 1975
BT1 Direct Reactions
BT2 Nuclear Reactions
NT1 Quasi-Elastic Scattering
DEF Nuclear reaction similar to quasi-free (or quasi-elastic) scattering, but distinct in that the incident particle undergoes a rearrangement reaction with the struck particle in the nucleus instead of just scattering from it.

QUASI PARTICLES [01]
DA December 1, 1974
NT1 Anyons
NT1 Dopplerons
NT1 Excitons
NT1 Focusons
NT1 Instantons
NT1 Landau Quasi Particles
NT1 Magnons
NT1 Merons
NT1 Phonons
NT1 Plasmons
NT1 Polarons
NT1 Rotons
NT1 Solitons
RT Holes
RT Many-Body Problem

QUASIBOUND STATE [01]
DA December 5, 1988
RT Bound State
RT Coupling
RT Energy Levels

QUASILINEAR PROBLEMS [01]
DA December 1, 1974
RT Mathematics
RT Nonlinear Problems
RT Perturbation Theory

QUASIPARTICLE-PHONON MODEL [01]
DA March 16, 1981
BT1 Nuclear Models
BT2 Mathematical Models
RT Collective Model
RT Phonons
RT Single-Particle Model

QUASIPOTENTIAL EQUATION [01]
DA April 4, 1975
BT1 Integral Equations
BT2 Equations
RT Lippmann-Schwinger Equation
RT Quantum Field Theory
RT Scattering Amplitudes

QUATERNARY ALLOY SYSTEMS [01]
DA December 1, 1974
BT1 Alloy Systems

QUATERNARY COMPOUNDS [01]
(For quaternary ammonium compounds.)
DA December 1, 1974
BT1 Amines
BT2 Organic Compounds
BT1 Ammonium Compounds
NT1 Acetylcholine
NT1 Betaine
NT1 Choline
NT1 Pyridinium Compounds
NT1 TEAB
RT Ammonia
RT Parasympatholytics

QUATERNARY FISSION [01]
DA December 1, 1974
BT1 Fission
BT2 Nuclear Reactions
DEF Fission with emission of two light charged particles.

QUATERNARY PERIOD [01]
DA October 19, 1977
UF *Holocene Epoch*
BT1 Cenozoic Era
BT2 Geologic Ages
NT1 Pleistocene Epoch

QUATERPHENYLS [01]
DA December 1, 1974
BT1 Aromatics
BT2 Organic Compounds
BT1 Hydrocarbons
BT2 Organic Compounds

QUEBEC [01]
DA December 1, 1974
BT1 Canada
BT2 Developed Countries
BT2 North America
RT Ottawa River
RT St Lawrence River

QUEEN MARY COLLEGE UTR-B REACTOR [01]
(Queen Mary College, London, United Kingdom.)
DA December 1, 1974
UF *University Training Reactor Queen Mary*
UF *UTR-B Queen Mary College Reactor*
BT1 Argonaut Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors

QUEENSLAND [01]
DA December 1, 1974
BT1 Australia
BT2 Australasia
BT2 Developed Countries

QUENCH AGING [01]
DA December 1, 1974
BT1 Aging
RT Quenching

QUENCH HARDENING [01]
DA December 1, 1974
BT1 Hardening
BT1 Heat Treatments
RT Jominy End-Quench Technique
RT Quenching
RT Splat Cooling

QUENCHING [01]
DA December 1, 1974
RT Demagnetization
RT Heat Treatments
RT Quench Aging
RT Quench Hardening
RT Superconductivity

Quenching (Avalanche)
DA May 17, 1976
USE Avalanche Quenching

Quenching (Scintillation)
DA June 30, 1975
USE Scintillation Quenching

QUERCETIN [01]
DA December 1, 1974
BT1 Flavones
BT2 Flavenoids
BT3 Organic Oxygen Compounds
BT4 Organic Compounds
BT1 Polyphenols
BT2 Phenols
BT3 Aromatics
BT4 Organic Compounds
BT3 Hydroxy Compounds
BT4 Organic Compounds
BT1 Pyrans
BT2 Heterocyclic Compounds
BT3 Organic Compounds
BT2 Organic Oxygen Compounds
BT3 Organic Compounds
RT Glycosides

Quercus
DA December 1, 1974
USE Oaks

QUEUES
DA October 1, 1975
RT Mathematics

Quezon Philippine Reactor
DA December 1, 1974
USE PRR-1 Reactor

QUIESCENT PLASMA [01]
DA December 1, 1974
BT1 Plasma

QUINALDINE [01]
DA December 1, 1974
UF *2-Methylquinoline*
BT1 Quinolines
BT2 Azaarenes
BT3 Aromatics
BT4 Organic Compounds
BT3 Heterocyclic Compounds
BT4 Organic Compounds

BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
BT2 Pyridines
BT3 Azines
BT4 Heterocyclic Compounds
BT5 Organic Compounds
BT4 Organic Nitrogen Compounds
BT5 Organic Compounds
RT Kynurenic Acid

Quinalizarin
DA December 1, 1974
USE Quinizarin

QUINHYDRONE [01]
DA December 1, 1974
BT1 Benzoquinones
BT2 Quinones
BT3 Aromatics
BT4 Organic Compounds
BT3 Organic Oxygen Compounds
BT4 Organic Compounds
RT Potentiometry

QUININE [01]
DA December 1, 1974
BT1 Alkaloids
BT2 Organic Compounds
BT1 Antimicrobial Agents
BT2 Anti-Infective Agents
BT3 Drugs

QUINIZARIN [01]
DA December 1, 1974
UF *1,4-Dihydroxyanthraquinone*
UF *Quinalizarin*
BT1 Anthraquinones
BT2 Quinones
BT3 Aromatics
BT4 Organic Compounds
BT3 Organic Oxygen Compounds
BT4 Organic Compounds
BT1 Dyes
BT1 Hydroxy Compounds
BT2 Organic Compounds

QUINOLINES [01]
DA December 1, 1974
BT1 Azaarenes
BT2 Aromatics
BT3 Organic Compounds
BT2 Heterocyclic Compounds
BT3 Organic Compounds
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
BT1 Pyridines
BT2 Azines
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
NT1 Ferron
NT1 Kynurenic Acid
NT1 Oxine
NT1 Quinaldine
RT Cinchonine

8-Quinolinol
DA August 22, 1985
USE Oxine

Quinone
DA December 1, 1974
USE Benzoquinones

QUINONES [01]
DA December 1, 1974
BT1 Aromatics
BT2 Organic Compounds
BT1 Organic Oxygen Compounds
BT2 Organic Compounds
NT1 Anthraquinones
NT2 Alizarin
NT2 Carminic Acid
NT2 Quinizarin
NT1 Benzoquinones
NT2 Chloranil
NT2 Chloranilic Acid
NT2 Plastoquinone
NT2 Quinhydrone
NT2 Ubiquinone
NT1 Rhodizonic Acid
NT1 Vitamin K
RT Ketones

R (Exposure Unit)
DA December 1, 1974
USE Radiation Dose Units

R-1 REACTOR [01]
DA December 1, 1974
UF *Stockholm R-1 Reactor*
UF *Swedish Reactor R-1*
BT1 Heavy Water Cooled Reactors
BT2 Reactors
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

R-2 REACTOR [01]
(Aktiebolaget Atomenergi, Nyoking, Studsvik, Sweden.)
DA December 1, 1974
UF *Studsvik R-2 Reactor*
UF *Swedish Reactor R-2*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Materials Testing Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors

R-3/Adam Reactor
DA December 1, 1974
USE Agesta Reactor

R2-0 REACTOR [01]
DA December 1, 1974
UF *Studsvik R2-0 Reactor*
UF *Swedish Reactor R2-0*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors

R-1650 Resonances
(Prior to March 1988 this was a valid descriptor.)
DA December 1, 1974
USE Mesons

R-A REACTOR [01]
(Boris Kidric Institute of Nuclear Sciences, Nuclear Reactor RA Dept., Beograd, Yugoslavia.)
DA December 1, 1974
UF *Vinca R-A Reactor Yugoslavia*
UF *Yugoslavia R-A Reactor Vinca*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Heavy Water Cooled Reactors
BT2 Reactors
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

R-B REACTOR [01]
(Boris Kidric Institute of Nuclear Sciences, Beograd, Yugoslavia.)
DA December 1, 1974
UF *Vinca R-B Reactor Yugoslavia*
UF *Yugoslavia R-B Reactor Vinca*
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

R CENTERS [01]
DA December 1, 1974
BT1 Color Centers
BT2 Vacancies
BT3 Point Defects
BT4 Crystal Defects
BT5 Crystal Structure

R CODES [01]
DA December 1, 1974
BT1 Computer Codes

R-F Mass Spectrometers
DA December 1, 1974
USE Dynamic Mass Spectrometers

R FACTORS
DA June 21, 1977
RT Heat Flow
RT Thermal Insulation
RT U Values
DEF Measure of thermal resistance value of materials.

R-II Swierk Reactor
DA December 1, 1974
USE Swierk R-2 Reactor

R MATRIX [01]
DA December 1, 1974
BT1 Matrices
RT Group Theory
RT Multilevel Analysis
RT Nuclear Reactions

R PROCESS [01]
DA December 1, 1974
BT1 Star Evolution
RT Capture
RT Nucleosynthesis
RT Stars

R REACTOR [01]
DA December 1, 1974
UF *Savannah River Plant R Reactor*
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Special Production Reactors
BT2 Production Reactors
BT3 Reactors

r-RNA
DA November 19, 1985
USE Ribosomal RNA

RA-0 REACTOR [01]
(UN Cordoba/CNEA, Argentinian Atomic Energy Commission, Cordoba, Argentina.)
DA December 1, 1974
UF *Argentine Reactor RA-0*
UF *Reactor Argentin-0*

BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

RA-1 REACTOR [01]
(CNEA, Argentinian Atomic Energy Agency, Buenos Aires, Argentina.)
DA December 1, 1974
UF *Argentine Reactor RA-1*
UF *Reactor Argentin-1*
BT1 Argonaut Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors

RA-2 REACTOR [01]
(CNEA, Argentinian Atomic Energy Commission, Buenos Aires, Argentina.)
DA December 1, 1974
UF *Argentine Reactor RA-2*
UF *Reactor Argentin-2*
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

RA-3 REACTOR [01]
(CNEA, Argentinian Atomic Energy Commission, Buenos Aires, Argentina.)
DA December 1, 1974
UF *Argentine Reactor RA-3*
UF *Ezeiza Argentine RA-3 Reactor*
UF *Reactor Argentin-3*
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors

RA-5 REACTOR [01]
DA April 19, 1976
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Research and Test Reactors
BT2 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors

RA 333
DA August 9, 1979
USE Alloy-RA-333

RABBIT BRUSH
DA March 11, 1982
UF *Chrysothamnus Nauseosus*
BT1 Magnoliopsida
BT2 Magnoliophyta
BT3 Plants
BT1 Shrubs
BT2 Plants
RT Hydrocarbons
RT Natural Rubber
RT Renewable Energy Sources

RABBIT TUBES [01]
DA December 1, 1974
UF *Shuttles*
BT1 Reaction Product Transport Systems
BT1 Reactor Experimental Facilities
BT2 Reactor Components

RABBITS [01]
DA December 1, 1974
BT1 Mammals
BT2 Vertebrates
BT3 Animals

RABIES [01]
DA May 7, 1982
BT1 Nervous System Diseases
BT2 Diseases
BT1 Viral Diseases
BT2 Infectious Diseases
BT3 Diseases
RT Central Nervous System
RT Viruses

RACAH COEFFICIENTS [01]
DA December 1, 1974
UF *6J-Symbols*
RT Angular Momentum
RT Clebsch-Gordan Coefficients
RT Group Theory
RT Quantum Mechanics
RT Wigner Coefficients

RACEMATES
DA February 19, 1976
UF *Achiral*
RT Racemization
RT Stereochemistry
DEF 50-50 mixture of dextro and levo isomers;optically inactive.

RACEMIZATION [01]
DA December 1, 1974
RT Isomerases
RT Racemates
RT Stereochemistry

RACETRACK MICROTRONS [01]
DA August 9, 1985
BT1 Microtrons
BT2 Cyclotrons
BT3 Cyclic Accelerators
BT4 Accelerators
DEF Microtrons with two bending magnets and linear accelerators between them.

Rachitis
DA December 1, 1974
USE Rickets

Racial Groups
DA October 23, 1979
USE Minority Groups

Racks (Fuel)
DA October 25, 1978
USE Fuel Racks

Rad
DA December 1, 1974
USE Radiation Dose Units

Radappertization
DA April 29, 1975
USE Radiosterilization

RADAR [01]
DA December 1, 1974
UF *Radiation Detection And Range*
BT1 Range Finders
BT2 Measuring Instruments
NT1 Acoustic Radar
NT1 Optical Radar
NT1 Synthetic-Aperture Radar
RT Electrical Equipment
RT Electronic Equipment
RT Frequency Range
RT Radio Equipment
RT Radiowave Radiation

Radial Flow MHD Generators
DA May 3, 1979
USE Disk MHD Generators

RADIAL INFLOW TURBINES
DA August 20, 1984
BT1 Turbines
BT2 Turbomachinery
BT3 Machinery
BT4 Equipment
RT Radial-Outflow Reaction Turbines

RADIAL-OUTFLOW REACTION TURBINES
DA October 23, 1978
UF *RORT*
BT1 Turbines
BT2 Turbomachinery
BT3 Machinery
BT4 Equipment
RT Radial Inflow Turbines

RADIAL VELOCITY [01]
DA December 1, 1974
BT1 Velocity

RADIANT CABLE HEATING
DA September 19, 1977
BT1 Electric Heating
BT2 Heating
RT Radiant Heaters
RT Space Heating

RADIANT FLUX DENSITY
DA January 24, 1975
UF *Radiant Intensity*
BT1 Flux Density

RADIANT HEAT TRANSFER [01]
DA December 1, 1974
BT1 Heat Transfer
BT2 Energy Transfer
RT Emissivity
RT Thermal Radiation

RADIANT HEATERS
DA April 9, 1982
BT1 Heaters
RT Radiant Cable Heating

Radiant Intensity
DA January 29, 1975
USE Radiant Flux Density

RADIATION ABSORPTION ANALYSIS [01]
DA December 1, 1974
BT1 Nondestructive Analysis
BT2 Chemical Analysis
DEF Analysis based on the determination of the absorption of x-ray, gamma-ray, or other ionizing radiation by the sample.

RADIATION ACCIDENTS [01]
DA December 1, 1974
UF+ *Accidental Irradiation*
UF+ *Criticality Accidents*
BT1 Accidents
RT CANARE
RT Emergency Plans

RADIATION ATTENUATION TESTING [01]
(The use of a radiation source and detector for the detection of internal flaws or defects.)
DA June 12, 1975
BT1 Nondestructive Testing
BT2 Materials Testing
BT3 Testing
RT Industrial Radiography

RADIATION BELTS [01]
DA December 1, 1974
UF *Van Allen Belts*
NT1 Artificial Radiation Belts
RT Charged-Particle Precipitation
RT Earth Magnetosphere

RT Electron Precipitation
RT Proton Precipitation

Radiation Buildup
DA December 1, 1974
USE Buildup

Radiation Burden
DA December 1, 1974
USE Radiation Doses

RADIATION BURNS [01]
DA December 1, 1974
BT1 Burns
BT2 Injuries
BT1 Local Radiation Effects
BT2 Biological Radiation Effects
BT3 Biological Effects
BT3 Radiation Effects
BT1 Radiation Injuries
BT2 Biological Radiation Effects
BT3 Biological Effects
BT3 Radiation Effects
BT2 Injuries
RT Radiodermatitis

RADIATION CHEMISTRY [01]
DA December 1, 1974
BT1 Chemistry
RT Chemical Radiation Effects
RT G Value
RT Oxonium Ions
RT Photochemistry
RT Positronium Chemistry
RT Radiochemistry
RT Reaction Intermediates
RT Recombination
RT Scavenging
RT Valence

RADIATION CHIMERAS [01]
DA December 1, 1974
BT1 Chimeras
BT2 Mosaicism
RT Biological Radiation Effects
RT Spleen Colony Formation

RADIATION CURING [01]
(Prior to December 1982 this concept was indexed by the coordination of CHEMICAL RADIATION EFFECTS and CROSS- LINKING.)
DA September 28, 1976
BT1 Chemical Radiation Effects
BT2 Radiation Effects
BT1 Curing
RT Cross-Linking

Radiation Damage (Biological)
DA December 1, 1974
USE Radiation Injuries

Radiation Damage (Nonbiologic)
DA December 1, 1974
USE Radiation Effects

Radiation Decontamination
DA December 1, 1974
USE Decontamination

RADIATION DETECTION [01]
DA December 1, 1974
UF *Detection (Radiation)*
BT1 Detection
NT1 Charged Particle Detection
NT2 Acoustic Detection
NT2 Alpha Detection
NT2 Beta Detection
NT2 Electron Detection
NT2 Ion Detection
NT2 Muon Detection
NT2 Pion Detection
NT2 Positron Detection
NT2 Proton Detection
NT1 Cosmic Ray Detection
NT1 Fission Fragment Detection
NT1 Gamma Detection
NT1 Kaon Detection
NT1 Neutrino Detection
NT1 Neutron Detection
NT1 X-Ray Detection
RT Coincidence Spectrometry
RT Counting Circuits
RT Dosemeters
RT Dosimetry
RT Particle Discrimination
RT Pulse Techniques
RT Radiation Detectors
RT Radiation Monitoring
RT Radiations
RT Spectrometers
RT Spectroscopy

Radiation Detection And Range
DA December 1, 1974
USE Radar

RADIATION DETECTORS [01]
DA December 1, 1974
UF *Counters (Radiation)*
UF *Detectors (Radiation)*
BT1 Measuring Instruments
NT1 Chemical Radiation Detectors
NT1 Cherenkov Counters
NT1 Compton Diode Detectors
NT1 Corona Counters
NT1 Crystal Counters
NT2 Filament Crystal Counters
NT1 Dielectric Track Detectors
NT1 Directional Radiation Detectors
NT1 Electron Multiplier Detectors
NT1 Emanometers
NT1 Flow Counters
* NT1 Gas Track Detectors
NT1 Geiger-Mueller Counters
NT1 Gravitational Wave Detectors
* NT1 Ionization Chambers
NT1 Low Level Counters
* NT1 Neutron Detectors
NT1 Photographic Film Detectors
NT1 Position Sensitive Detectors
NT1 Proportional Counters
NT2 BF3 Counters
NT2 Boron Lined Counters
NT2 He-3 Counters
NT2 Liquid Proportional Counters
NT2 Multiwire Proportional Chambers
NT3 Drift Chambers
NT2 Needle Chambers
NT2 Wall-Less Counters
NT1 Pyroelectric Detectors
NT1 Radiometers
NT1 Scintillation Counters
NT2 Gas Scintillation Detectors
NT2 Liquid Scintillation Detectors
NT2 Scintillator-Photodiode Detectors
NT2 Solid Scintillation Detectors
NT3 BGO Detectors
NT3 NaI Detectors
NT3 Plastic Scintillation Detectors
NT1 Secondary Emission Detectors
NT1 Self-Powered Detectors
NT2 Self-Powered Gamma Detectors
NT2 Self-Powered Neutron Detectors
* NT1 Semiconductor Detectors
NT1 Shower Counters
NT1 Spark Counters
NT1 Streak Cameras
NT1 Superconducting Colloid Detectors
NT1 Tissue-Equivalent Detectors
NT1 Transition Radiation Detectors
NT1 Whole-Body Counters
RT Charged Particle Detection
RT Cosmic Ray Detection
RT Counting Circuits
RT Counting Techniques
RT Dosemeters
RT Fission Fragment Detection
RT Gamma Detection
RT Neutron Detection
RT Polarimeters
RT Pulse Techniques
RT Radiation Detection
RT Radiation Monitors
RT Radioisotope Scanners
RT Scalers
RT Spectrometers
RT Telescope Counters

RADIATION DOSE DISTRIBUTIONS [01]
DA December 1, 1974
UF *Dose Distributions*
NT1 Spatial Dose Distributions
NT2 Depth Dose Distributions
NT1 Temporal Dose Distributions
RT Dose-Response Relationships
RT Irradiation
RT Isodose Curves
RT Radiation Doses

RADIATION DOSE UNITS [01]
(For studies concerning units, concepts or definitions.)
DA December 1, 1974
UF *Gray*
UF *R (Exposure Unit)*
UF *Rad*
UF *Roentgen (Exposure Unit)*
UF+ *Rem*
UF+ *Roentgen Equivalent Man*
BT1 Units
NT1 Sievert Unit
RT Dosimetry
RT ICRU
RT Radiation Doses

Radiation Dosemeters
DA December 1, 1974
USE Dosemeters

RADIATION DOSES [01]
DA December 1, 1974
UF *Absorbed Doses*
UF *Exposure (Radiation Doses)*
UF *Radiation Burden*
UF *Radiation Exposure (Doses)*
BT1 Doses
NT1 Genetically Significant Dose
NT1 Integral Doses
NT1 Lethal Radiation Dose
NT1 Somatically Significant Dose
NT1 Threshold Dose
RT ALARA
RT Biological Indicators
RT Biological Radiation Effects
RT Biophysics
RT Chronic Irradiation
RT Cumulative Radiation Effects
RT Dose Commitments
RT Dose Equivalents
RT Dose Limits
RT Dose Rates
RT Dose-Response Relationships
RT Dosemeters
RT Dosimetry
RT Energy Absorption
RT Energy Deposition
RT Fractionated Irradiation
RT ICRP Critical Group
RT Irradiation
RT Kerma
RT Lethal Irradiation
RT Low Dose Irradiation
RT Maximum Permissible Dose
RT Maximum Permissible Exposure
RT Medical Surveillance
RT Personnel Monitoring
RT Radiation Dose Distributions
RT Radiation Dose Units
RT Radiation Effects
RT Radiations
RT Source Terms
RT Sublethal Irradiation
RT Supralethal Irradiation

Radiation Dosimetry
DA December 1, 1974
USE Dosimetry

RADIATION EFFECTS [01]
DA December 1, 1974
UF *Radiation Damage (Nonbiologic)*
NT1 Biological Radiation Effects
NT2 Abscopal Radiation Effects
NT2 Delayed Radiation Effects
NT2 Early Radiation Effects
NT2 Genetic Radiation Effects
NT2 Local Radiation Effects
NT3 Osteoradionecrosis
NT3 Radiation Burns
NT3 Radiodermatitis

NT2 Radiation Injuries
NT3 Osteoradionecrosis
NT3 Radiation Burns
NT3 Radiodermatitis
NT1 Chemical Radiation Effects
NT2 Lyoluminescence
NT2 Radiation Curing
NT2 Radiolysis
NT3 Autoradiolysis
NT1 Cumulative Radiation Effects
NT1 Physical Radiation Effects
NT2 Atomic Displacements
NT2 Interstitial Helium Generation
NT2 Interstitial Hydrogen Generation
NT2 Radiation Hardening
RT Biological Localization
RT Biophysics
RT Comparative Evaluations
RT Crystal Defects
RT Damage
RT Dose Rates
RT Dose-Response Relationships
RT Energy Losses
RT Irradiation
RT Photoacoustic Effect
RT Radiation Doses
RT Radiation Quality
RT Radiations
RT Radiobiology
RT Radiosensitivity
RT RBE
RT Recoils
RT Response Modifying Factors
RT Self-Irradiation
RT Strand Breaks
RT Thermal Spikes
RT Varley Mechanism
RT Wigner Effect

RADIATION EQUIVALENCE
DA January 27, 1981
RT Carcinogens
RT Genetic Effects
RT Mutagens
DEF The biological effect of a mutagen or carcinogen expressed in terms of the dose of ionizing radiation needed to produce a similar effect.

Radiation Exposure (Doses)
DA December 1, 1974
USE Radiation Doses

RADIATION FLUX [01]
DA December 1, 1974
UF *Flux (Radiation)*
NT1 Cosmic Ray Flux
NT1 Neutron Flux
NT2 Adjoint Flux
RT Flux Density
RT Point Kernels
RT Poynting Theorem

RADIATION HARDENING [01]
DA December 1, 1974
BT1 Hardening
BT1 Physical Radiation Effects
BT2 Radiation Effects

Radiation Hardening (Chemical)
DA December 1, 1974
USE Chemical Radiation Effects
AND Polymerization

RADIATION HAZARDS [01]
DA December 1, 1974
BT1 Health Hazards
BT2 Hazards
RT ALARA
RT Fallout
RT Fission Product Release
RT Fuel Element Failure
RT Genetically Significant Dose
RT Hot Labs
RT ICRP Critical Group
RT Irradiation
RT Radiation Protection
RT Radioactive Wastes
RT Release Limits
RT Somatically Significant Dose
RT UNSCEAR

RADIATION HEATING [01]
DA April 8, 1975
UF *Gamma Heating*
UF *Neutron Heating*
BT1 Heating
DEF Component or materials heating by incident nuclear radiation.

Radiation Hygiene
DA December 1, 1974
USE Radiation Protection

RADIATION INDUCED MUTANTS [01]
DA January 3, 1986
BT1 Mutants
RT Animal Breeding
RT Plant Breeding

RADIATION INJURIES [01]
DA December 1, 1974
UF *Radiation Damage (Biological)*
UF+ *Delayed Radiation Injuries*
UF+ *Early Radiation Injuries*
BT1 Biological Radiation Effects
BT2 Biological Effects
BT2 Radiation Effects
BT1 Injuries
NT1 Osteoradionecrosis
NT1 Radiation Burns
NT1 Radiodermatitis
RT Biological Indicators
RT Biological Repair
RT Host-Cell Reactivation
RT Photoreactivation
RT Radiation Syndrome
RT Radiobiology
RT Radioinduction
RT Strand Breaks

RADIATION LENGTH [01]
DA June 16, 1975
BT1 Length
BT2 Dimensions
RT Bremsstrahlung
RT Charged Particle Detection
RT Energy Losses
RT Thickness

Radiation Logging
DA June 7, 1976
USE Radioactivity Logging

RADIATION MONITORING [01]
DA December 1, 1974
UF *Control (Radioactivity)*
UF *Monitoring (Radiation)*
UF *Surveillance (Radioactivity)*
UF *Survey (Radioactivity)*
BT1 Monitoring
NT1 Personnel Monitoring
RT Aerial Monitoring
RT Aerosol Monitoring
RT Alarm Systems
RT Controlled Areas
RT Dosemeters
RT Dosimetry
RT Exposure Ratemeters
RT Inspection
RT Radiation Detection
RT Radiation Protection
RT Radioactivity

RADIATION MONITORS [01]
DA December 1, 1974
UF *Alarm Dosemeters*
UF *Monitors (Radiation)*
BT1 Monitors
BT2 Measuring Instruments
NT1 Exposure Ratemeters
NT1 Liquid Contamination Monitors
NT1 Neutron Monitors
NT1 Surface Contamination Monitors
NT1 Survey Monitors
RT Air Samplers
RT Alarm Systems
RT Dosemeters
RT Radiation Detectors
RT Radioactivity

RADIATION PRESSURE [01]
DA December 1, 1974
UF *Pressure (Radiation)*
RT Electromagnetic Radiation
RT Solar Wind

RADIATION PROTECTION [01]
DA December 1, 1974
UF *Health Physics*
UF *Nuclear Safety*
UF *Protection (Radiation)*
UF *Radiation Hygiene*
UF *Radiation Safety*
UF *Radiological Protection*
UF *Safety (Nuclear)*
SF *ALAP*
RT Accidents
RT ALARA
RT Annual Limit Of Intake
RT Biological Shielding
RT Biophysics
RT Civil Defense
RT Containment
RT Controlled Areas
RT Decontamination
RT Distance
RT Dosimetry
RT Environment
RT External Irradiation
RT Fallout
RT Fallout Shelters
RT Federal Radiation Council
RT Gloveboxes
RT Gloves
RT Half-Thickness
RT Health Hazards
RT Hot Cells
RT Hot Labs
RT ICRP
RT Image Intensifiers
RT Industrial Medicine
RT Inspection
RT Legal Aspects
RT Licensing
RT Preventive Medicine
RT Protective Clothing
RT Public Health
RT Radiation Hazards
RT Radiation Monitoring
RT Radiation Quality
RT Radiation Sources
RT Radioprotective Substances
RT Reactor Safety
RT Recommendations
RT Reference Man
RT Regulations
RT Reliability
RT Remote Handling
RT Respirators
RT Safety
RT Safety Showers
RT Safety Standards
RT Shelters
RT Shielding
RT Shielding Materials
RT Shields
RT Space Flight
RT Strahlenschutzkommission
RT Television
RT USUR
RT Whole-Body Counting
RT Working Conditions

Radiation Protection Guides
DA December 1, 1974
USE Recommendations

RADIATION PROTECTION LAWS [01]
DA November 1, 1976
BT1 Laws

RADIATION QUALITY [01]
(For comparative studies on different types of radiation.)
DA December 1, 1974
RT Energy Losses
RT Half-Thickness
RT Ionization
RT LET
RT Quality Factor
RT Radiation Effects
RT Radiation Protection
RT Radiations
RT RBE

Radiation Safety
DA December 1, 1974
USE Radiation Protection

RADIATION SCATTERING ANALYSIS [01]
DA December 1, 1974
BT1 Nondestructive Analysis
BT2 Chemical Analysis
RT Ion Scattering Analysis
RT Radiometric Analysis
RT Scattering

RADIATION SOURCE IMPLANTS [01]
DA December 1, 1974
UF *Implanted Sources*
BT1 Implants
BT1 Radiation Sources
RT Internal Irradiation
RT Irradiation Capsules
RT Radiotherapy

RADIATION SOURCES [01]
(For cosmic sources of radiation see also COSMIC GAMMA SOURCES, COSMIC RADIO SOURCES, and COSMIC X-RAY SOURCES.)
DA December 1, 1974
UF *Applicators (Radiotherapy)*
UF *Radioapplicators*
NT1 Gamma Sources
NT1 Light Sources
NT1 Particle Sources
NT2 Alpha Sources
NT2 Antiproton Sources
NT2 Beta Sources
NT2 Deuteron Sources
NT2 Electron Sources
NT3 Pierce Electron Guns
NT2 Neutron Sources
NT3 ING Linac
NT3 Neutron Generators
NT3 Nisus Facility
NT2 Positron Sources
NT2 Proton Sources
NT1 Point Sources
NT1 Portable Sources
NT1 Radiation Source Implants
NT1 Sealed Sources
NT1 Synchrotron Radiation Sources
NT2 Advanced Light Source
NT2 Advanced Photon Source
NT2 INDUS-I
NT2 INDUS-II
NT2 KEK Photon Factory
NT2 LNLS Storage Ring
NT2 NSLS
NT2 Spring-8 Storage Ring
NT2 SURF II Storage Ring
NT1 Unsealed Sources
NT1 X-Ray Sources
RT Containers
RT Irradiation
RT Irradiation Devices
RT Irradiation Plants
RT Lasers
RT Masers
RT Radiation Protection
RT Radiations
RT Radioactivity
RT Radioisotopes

RADIATION STREAMING [01]
DA December 1, 1974
UF *Streaming (Radiation)*
RT Radiations

RADIATION SYNDROME [01]
DA December 1, 1974
RT Acute Irradiation
RT Autonomic Nervous System
RT Bone Marrow
RT Central Nervous System
RT Chronic Irradiation
RT Delayed Radiation Effects
RT Gastrointestinal Tract
RT Latency Period
RT Lymphatic System
RT Lymphocytes
RT Muscles
RT Radiation Injuries

RADIATION TRANSPORT [01]
DA December 1, 1974
UF *Transport (Radiation)*
NT1 Charged-Particle Transport
NT2 Proton Transport
NT1 Neutral-Particle Transport
NT2 Atom Transport
NT2 Neutron Transport
NT2 Photon Transport
RT Transport Theory

RADIATIONLESS DECAY [01]
DA December 1, 1974
BT1 De-Excitation
BT2 Energy-Level Transitions
BT1 Energy Transfer
RT Fluorescence
DEF Emissionless transfer of excited-state energy from one quantum system to another, e.g. between atoms in gas mixtures.

RADIATIONS [01]
DA December 1, 1974
NT1 Background Radiation
NT1 Delta Rays
NT1 Electromagnetic Radiation
NT2 Auroral Hiss
NT2 Blackbody Radiation
NT2 Bremsstrahlung
NT3 Cyclotron Radiation
NT3 Internal Bremsstrahlung
NT3 Ondulator Radiation
NT3 Synchrotron Radiation
NT2 Cherenkov Radiation
NT2 Coherent Radiation
NT2 Electromagnetic Pulses
NT3 Internal Electromagnetic Pulses
NT2 Gamma Radiation
NT3 Delayed Gamma Radiation
NT3 Prompt Gamma Radiation
NT2 Helicon Waves
NT2 Infrared Radiation
NT3 Far Infrared Radiation
NT3 Intermediate Infrared Radiation
NT3 Near Infrared Radiation
NT2 Laser Radiation
NT2 Microwave Radiation
NT3 Relict Radiation
NT2 Monochromatic Radiation
NT2 Multipole Radiation
NT2 Radiowave Radiation
NT3 Long Wave Radiation
NT3 Luxemburg Effect
NT3 Medium Wave Radiation
NT3 Radio Noise
NT4 Atmospherics
NT4 Whistlers
NT3 Radioecho
NT3 Short Wave Radiation
NT3 Solar Radio Bursts
NT3 Solar Radiowave Radiation
NT2 Thermal Radiation
NT2 Transition Radiation
NT2 Ultralow Frequency Radiation
NT2 Ultraviolet Radiation
NT3 Extreme Ultraviolet Radiation
NT3 Far Ultraviolet Radiation
NT3 Near Ultraviolet Radiation
NT2 Visible Radiation
NT2 X Radiation
NT3 Hard X Radiation
NT3 Soft X Radiation
NT2 Zodiacal Light
NT1 Gravitational Radiation
NT2 Gravitons
NT1 Ionizing Radiations
NT2 Cosmic Radiation
NT3 Cosmic Neutrinos
NT3 Cosmic Photons
NT3 Cosmic Protons
NT3 Hard Component
NT3 Primary Cosmic Radiation
NT4 Cosmic Alpha Particles
NT4 Cosmic Gamma Bursts
NT4 Cosmic Nuclei
NT4 Cosmic X-Ray Bursts
NT3 Secondary Cosmic Radiation
NT4 Cosmic Electrons
NT4 Cosmic Kaons
NT4 Cosmic Muons
NT4 Cosmic Neutrons
NT4 Cosmic Pions
NT4 Cosmic Positrons
NT4 Cosmic Showers
NT5 Extensive Air Showers
NT3 Soft Component
NT2 Gamma Radiation
NT3 Delayed Gamma Radiation
NT3 Prompt Gamma Radiation
NT2 X Radiation
NT3 Hard X Radiation
NT3 Soft X Radiation
NT1 Solar Radiation
NT2 Diffuse Solar Radiation
NT2 Direct Solar Radiation
NT2 Solar Particles
NT3 Solar Alpha Particles
NT3 Solar Electrons
NT3 Solar Neutrinos
NT3 Solar Neutrons
NT3 Solar Protons
NT2 Solar Radiowave Radiation
NT1 Stray Radiation
RT Absorption
RT Biophysics
RT Buildup
RT Dosimetry
RT Irradiation
RT Radiation Detection
RT Radiation Doses
RT Radiation Effects
RT Radiation Quality
RT Radiation Sources
RT Radiation Streaming

Radiative Capture
DA December 1, 1974
USE Capture

RADIATIVE COOLING [01]
DA October 1, 1975
BT1 Cooling
RT Air Conditioning
RT Solar Air Conditioning

RADIATIVE CORRECTIONS [01]
DA December 1, 1974
BT1 Corrections
RT Electromagnetic Interactions
RT Phi4-Field Theory
RT Quantum Field Theory

RADIATIVE DECAY [01]
DA May 1, 1978
BT1 Particle Decay
BT2 Decay
RT Electromagnetic Particle Decay
RT Weak Particle Decay
DEF Weak or electromagnetic decay involving photons.

RADIATOR COUNTERS [01]
DA December 1, 1974
RT Activation Detectors
RT Nuclear Emulsions
RT Proton Recoil Detectors
RT Semiconductor Detectors

RADIATORS [01]
(Limited to heat radiators.)
DA December 1, 1974
BT1 Heat Exchangers

RADICALS [01]
(Not to be used for compound descriptions.)
DA December 1, 1974
UF *Free Radicals*
NT1 Acyl Radicals
NT2 Acetyl Radicals
NT2 Butyryl Radicals
NT2 Formyl Radicals
NT1 Alkoxy Radicals
NT2 Butoxy Radicals
NT2 Ethoxy Radicals
NT2 Methoxy Radicals
NT1 Alkyl Radicals
NT2 Allyl Radicals
NT2 Butyl Radicals
NT2 Dodecyl Radicals
NT2 Ethyl Radicals
NT2 Heptyl Radicals
NT2 Hexyl Radicals

NT2 Isobutyl Radicals
NT2 Isopropyl Radicals
NT2 Methyl Radicals
NT2 Nonyl Radicals
NT2 Octyl Radicals
NT2 Pentyl Radicals
NT2 Propargyl Radicals
NT2 Propyl Radicals
NT2 Tridecyl Radicals
NT2 Vinyl Radicals
NT1 Aryl Radicals
NT2 Anisyl Radicals
NT2 Benzyl Radicals
NT2 Mesityl Radicals
NT2 Naphthyl Radicals
NT2 Phenethyl Radicals
NT2 Phenyl Radicals
NT2 Tolyl Radicals
NT1 Benzoyl Radicals
NT1 Carbenes
NT1 Carbonyl Radicals
NT1 Carbynes
NT1 DPPH
NT1 Hydronium Radicals
NT1 Hydroperoxy Radicals
NT1 Hydroxyl Radicals
NT1 Methylene Radicals
NT1 Nitroxyl Radicals
NT1 Peroxy Radicals
NT1 Phenoxy Radicals
NT1 Phenylene Radicals
NT1 Picryl Radicals
NT1 Pyridyl Radicals
NT1 SDPPH
NT1 Sulfhydryl Radicals
NT1 Superoxide Radicals
NT1 Thiyl Radicals
NT1 Vinylidene Radicals
RT Reaction Intermediates
RT Scavenging

RADICIDATION [01]
DA May 15, 1975
UF *Radiopasteurization*
BT1 Irradiation
BT1 Pasteurization
RT Food
RT Health Hazards
DEF Use of irradiation to destroy pathogenic microorganisms in food.

RADIO EQUIPMENT [01]
DA December 16, 1976
UF *Radio Receivers*
UF *Radio Transmitters*
BT1 Electronic Equipment
BT2 Equipment
NT1 Heterodyne Receivers
NT1 Ionosondes
NT1 Radio Telescopes
RT Antennas
RT Communications
RT Microwave Equipment
RT Radar
RT Radio Equipment Power Supplies
RT Radiowave Radiation
RT RF Systems
RT Television

RADIO EQUIPMENT POWER SUPPLIES
DA January 22, 1975
BT1 Power Supplies
BT2 Electronic Equipment
BT3 Equipment
RT Radio Equipment

RADIO GALAXIES [01]
DA December 1, 1974
BT1 Cosmic Radio Sources
BT1 Galaxies
RT Quasars

RADIO NOISE [01]
DA December 1, 1974
UF *Cosmic Noise*
BT1 Noise
BT1 Radiowave Radiation
BT2 Electromagnetic Radiation
BT3 Radiations
NT1 Atmospherics
NT1 Whistlers
RT Background Noise
RT Interference

Radio Receivers
DA December 29, 1976
USE Radio Equipment

RADIO-RELEASE ANALYSIS [01]
DA December 1, 1974
BT1 Quantitative Chemical Analysis
BT2 Chemical Analysis
RT Gas Analysis
RT Tracer Techniques
DEF An analytical technique in which the substance to be measured reacts chemically with a converter substance to release a radioactive material.

RADIO TELESCOPES [01]
DA December 1, 1974
BT1 Antennas
BT2 Electrical Equipment
BT3 Equipment
BT1 Radio Equipment
BT2 Electronic Equipment
BT3 Equipment
BT1 Telescopes
RT Interferometers

Radio Transmitters
DA December 29, 1976
USE Radio Equipment

RADIOACTIVATION [01]
DA December 1, 1974
UF *Activation (Radio)*
RT Activation Analysis
RT Labelling
RT Neutron Capture Therapy
RT Neutron Sources

RADIOACTIVE AEROSOLS [01]
DA December 1, 1974
UF+ *Radioactive Particulates*
BT1 Aerosols
BT2 Sols
BT3 Colloids
BT4 Dispersions
RT Aerosol Monitoring
RT Fallout
RT Particle Resuspension
RT Radioactive Clouds

Radioactive Biological Wastes
DA December 1, 1974
USE Biological Wastes
AND Radioactive Wastes

RADIOACTIVE CLOUDS [01]
DA December 1, 1974
UF *Atomic Clouds*
BT1 Clouds
RT Accidents
RT Aerial Monitoring
RT Aerosols
RT Air
RT Earth Atmosphere
RT External Irradiation
RT Fallout
RT Nuclear Explosions
RT Radioactive Aerosols
RT Radioactivity
RT Stacks
RT Washout
RT Wind

RADIOACTIVE EFFLUENTS [01]
DA May 6, 1975
UF *Effluents (Radioactive)*
BT1 Radioactive Wastes
BT2 Radioactive Materials
BT3 Materials
BT2 Wastes
RT Chemical Effluents
RT Gaseous Wastes
RT Liquid Wastes
RT Particle Resuspension
RT Radioactive Waste Disposal
RT Stack Disposal

Radioactive Gaseous Wastes
DA December 1, 1974
USE Gaseous Wastes
AND Radioactive Wastes

→**RADIOACTIVE ION BEAMS [01]**
DA April 15, 1992
BT1 Ion Beams
BT2 Beams
NT1 Argon 39 Beams
NT1 Beryllium 7 Beams
NT1 Carbon 10 Beams
NT1 Carbon 11 Beams
NT1 Carbon 14 Beams
NT1 Chlorine 39 Beams
NT1 Helium 8 Beams
NT1 Neon 19 Beams
NT1 Nitrogen 13 Beams
NT1 Sulfur 38 Beams
NT1 Triton Beams
NT1 Uranium 238 Beams

RADIOACTIVE IONIZATION GAGES [01]
DA December 1, 1974
BT1 Ionization Gages
BT2 Vacuum Gages
BT3 Pressure Gages
BT4 Measuring Instruments

RADIOACTIVE MATERIALS [01]
DA December 1, 1974
BT1 Materials
NT1 Fission Products
* NT1 Radioactive Minerals
NT1 Radioactive Wastes
NT2 Alpha-Bearing Wastes
NT2 Calcined Wastes
NT2 High-Level Radioactive Wastes
NT2 Intermediate-Level Radioactive Wastes
NT2 Low-Level Radioactive Wastes
NT2 Radioactive Effluents
RT Radioactivity
RT Radioisotopes
RT Routing

RADIOACTIVE MINERALS [01]
DA December 1, 1974
BT1 Minerals
BT1 Radioactive Materials
BT2 Materials
NT1 Baddeleyite
NT1 Cordylite
NT1 Corvusite
NT1 Fersmite
NT1 Florencite
NT1 Kainosite
NT1 Melanovanadite
NT1 Pascoite
NT1 Rutile
* NT1 Thorium Minerals
* NT1 Uranium Minerals

Radioactive Particulates
DA December 1, 1974
USE Particles
AND Radioactive Aerosols

RADIOACTIVE TRACER LOGGING [01]
DA June 7, 1976
BT1 Radioactivity Logging
BT2 Well Logging
BT1 Tracer Techniques
BT2 Isotope Applications
DEF Well logging using radioactive tracers for measuring fluid movement and for obtaining source and sink information.

Radioactive Tracers
DA May 18, 1981
SEE Radiopharmaceuticals
OR Tracer Techniques

RADIOACTIVE WASTE DISPOSAL [01]
DA December 1, 1974
BT1 Radioactive Waste Management
BT2 Waste Management
BT3 Management
BT1 Waste Disposal

BT2 Waste Management
BT3 Management
RT Actinide Burner Reactors
RT Asse Salt Mine
RT Biointrusion
RT Dalhart Basin
RT Disposal Wells
RT Fission Product Release
RT Fuel Cycle Centers
RT Gorleben Salt Dome
RT Ground Release
RT Konrad Ore Mine
RT Manche Plant
RT Marine Disposal
RT Morsleben Salt Mine
RT Nuclear Waste Policy Acts
RT Palo Duro Basin
RT Paradox Basin
RT Pasco Basin
RT Permian Basin
RT Radioactive Effluents
RT Radioactive Waste Facilities
RT Radioactive Wastes
RT Salt Deposits
RT Shaft Excavations
RT Stack Disposal
RT Underground Disposal
RT Waste Forms
RT Waste-Rock Interactions
RT Yucca Mountain

RADIOACTIVE WASTE FACILITIES [01]
DA December 1, 1974
BT1 Nuclear Facilities
NT1 Asse Salt Mine
NT1 Aube Plant
NT1 Gorleben Salt Dome
NT1 Konrad Ore Mine
NT1 Manche Plant
NT1 Morsleben Salt Mine
NT1 PAMELA Plant
NT1 Vaalputs Radioactive Waste Disposal Facility
NT1 WIPP
RT Biointrusion
RT Fuel Cycle Centers
RT Fuel Reprocessing Plants
RT Radioactive Waste Disposal
RT Radioactive Waste Processing
RT Storage Facilities
RT Waste Retrieval

RADIOACTIVE WASTE MANAGEMENT [01]
DA February 20, 1975
BT1 Waste Management
BT2 Management
NT1 Radioactive Waste Disposal
NT1 Radioactive Waste Processing
NT2 Aralex Process
NT2 Harvest Process
NT2 Iodox Process
NT2 MEDEC Process
NT2 OPIX Process
NT2 SYNROC Process
NT1 Radioactive Waste Storage
NT2 Monitored Retrievable Storage
RT Compact Commissions
RT Radioactive Wastes
RT Retrieval Systems
RT Risk Assessment

RADIOACTIVE WASTE PROCESSING [01]
DA December 1, 1974
BT1 Radioactive Waste Management
BT2 Waste Management
BT3 Management
BT1 Waste Processing
BT2 Processing
BT2 Waste Management
BT3 Management
NT1 Aralex Process
NT1 Harvest Process
NT1 Iodox Process
NT1 MEDEC Process
NT1 OPIX Process
NT1 SYNROC Process
RT Calcination
RT Calcined Wastes
RT Ceramic Melters
RT Encapsulation
RT Fuel Cycle Centers
RT PAMELA Plant
RT Radioactive Waste Facilities
RT Radioactive Wastes
RT Vitrification
RT Waste Forms

RADIOACTIVE WASTE STORAGE [01]
DA December 1, 1974
BT1 Radioactive Waste Management
BT2 Waste Management
BT3 Management
BT1 Waste Storage
BT2 Storage
BT2 Waste Management
BT3 Management
NT1 Monitored Retrievable Storage
RT Fuel Cycle Centers
RT Harvest Process
RT US MRS Project

RADIOACTIVE WASTES [01]
DA December 1, 1974
UF *Nuclear Wastes*
UF *Residues (Radioactive)*
UF+ *Radioactive Biological Wastes*
UF+ *Radioactive Gaseous Wastes*
BT1 Radioactive Materials
BT2 Materials
BT1 Wastes
NT1 Alpha-Bearing Wastes
NT1 Calcined Wastes
NT1 High-Level Radioactive Wastes
NT1 Intermediate-Level Radioactive Wastes
NT1 Low-Level Radioactive Wastes
NT1 Radioactive Effluents
RT Contamination
RT Fission Products
RT Fissionable Materials
RT Ground Disposal
RT Mill Tailings
RT Minimization
RT Nuclear Materials Management
RT Radiation Hazards
RT Radioactive Waste Disposal
RT Radioactive Waste Management
RT Radioactive Waste Processing
RT Radiocolloids
RT Release Limits
RT Salt Vault Project
RT Spent Fuels
RT Waste Pellets
RT Waste Retrieval

RADIOACTIVITY [01]
(For measured values of radioactivity and for unidentified radiation sources; not for experimental studies.)
DA December 1, 1974
UF *Concentrations (Radionuclides)*
UF *Induced Radioactivity*
UF *Radionuclide Concentration*
NT1 Natural Radioactivity
RT Activity Levels
RT Annual Limit Of Intake
RT Body Burden
RT Contamination
RT Hot Labs
RT Maximum Inhalation Quantity
RT Maximum Permissible Activity
RT Maximum Permissible Body Burden
RT Maximum Permissible Intake
RT Maximum Permissible Level
RT Personnel Monitoring
RT Radiation Monitoring
RT Radiation Monitors
RT Radiation Sources
RT Radioactive Clouds
RT Radioactive Materials
RT Radioecological Concentration
RT Radioisotopes
RT Radiometric Analysis
RT Radionuclide Kinetics
RT Residence Half-Time
RT Surface Contamination
RT Whole-Body Counting

RADIOACTIVITY LOGGING [01]
DA June 7, 1976
UF *Nuclear Log*
UF *Radiation Logging*
BT1 Well Logging
NT1 Gamma-Gamma Logging
NT1 Gamma Logging
NT1 Neutron Logging
NT2 Neutron-Gamma Logging
NT2 Neutron-Neutron Logging
NT1 Radioactive Tracer Logging
NT1 X-Ray Fluorescence Logging
RT Radiometric Surveys
DEF Well logging using nuclear radiation in some way.

RADIOACTIVITY TRANSPORT [01]
DA August 24, 1976
UF *Activity Transport*
RT Contamination
DEF The processes by which radioactive materials move and become deposited throughout a reactor or reprocessing plant system.

Radioapplicators
DA December 1, 1974
USE Radiation Sources

RADIOASSAY [01]
DA December 1, 1974
NT1 Radioimmunoassay
RT Bioassay
RT CPB
RT Qualitative Chemical Analysis
RT Radioenzymatic Assay
RT Radioreceptor Assay
DEF An assay based on examination of the sample in terms of radioactive components.

RADIOASTRONOMY [01]
DA December 1, 1974
BT1 Astronomy
RT Cosmic Radio Sources
RT GHz Range
RT MHz Range
RT Solar Radio Bursts

Radioautography
DA December 1, 1974
USE Autoradiography

Radiobiological Effects
DA December 1, 1974
USE Biological Radiation Effects

RADIOBIOLOGY [01]
DA December 1, 1974
BT1 Biology
RT Biological Radiation Effects
RT Biophysics
RT Molecular Biology
RT Radiation Effects
RT Radiation Injuries
RT Radioinduction
RT Radiosensitivity

Radiocarbon Dating
DA December 1, 1974
USE Carbon 14
AND Isotope Dating

RADIOCARDIOGRAPHY [01]
DA June 16, 1975
BT1 Cardiography
BT2 Diagnostic Techniques

RADIOCHEMICAL ANALYSIS
DA February 5, 1975
BT1 Quantitative Chemical Analysis
BT2 Chemical Analysis
RT Radiometric Analysis
DEF Quantitative analysis based on a combination of radiochemical and radiometric techniques.

Radiochemical Laboratories
DA December 1, 1974
USE Hot Labs

RADIOCHEMISTRY [01]
DA December 1, 1974

BT1 Chemistry
NT1 Hot Atom Chemistry
NT2 Szilard-Chalmers Reaction
RT Emanation Method
RT Radiation Chemistry

RADIOCHROMATOGRAPHY [01]
DA December 1, 1974
BT1 Chromatography
BT2 Separation Processes

RADIOCOLLOIDS [01]
DA December 1, 1974
BT1 Colloids
BT2 Dispersions
NT1 Thorotrast
RT Gold 198
RT Isotope Applications
RT Radioactive Wastes
RT Radiopharmaceuticals

Radiocrystallography
DA December 1, 1974
USE Crystallography

RADIODERMATITIS [01]
DA December 1, 1974
BT1 Dermatitis
BT2 Skin Diseases
BT3 Diseases
BT1 Local Radiation Effects
BT2 Biological Radiation Effects
BT3 Biological Effects
BT3 Radiation Effects
BT1 Radiation Injuries
BT2 Biological Radiation Effects
BT3 Biological Effects
BT3 Radiation Effects
BT2 Injuries
RT Radiation Burns

Radiodiagnosis (Radionuclides)
DA December 1, 1974
USE Diagnosis
AND Nuclear Medicine

RADIODISINFESTATION [01]
DA January 27, 1975
BT1 Disinfestation
BT1 Irradiation
RT Grain Disinfestation
RT Insects
RT Sterilization

RADIOECHO [01]
DA December 1, 1974
BT1 Radiowave Radiation
BT2 Electromagnetic Radiation
BT3 Radiations

RADIOECOLOGICAL CONCENTRATION [01]
DA December 1, 1974
UF *Accumulation (Radioecological)*
BT1 Ecological Concentration
RT Biological Localization
RT Concentration Ratio
RT Contamination
RT Ecosystems
RT Environmental Transport
RT Food Chains
RT Radioactivity
RT Radionuclide Migration

RADIOECOLOGY [01]
DA December 1, 1974
BT1 Ecology
RT Radionuclide Migration

RADIOENZYMATIC ASSAY [01]
DA October 24, 1981
RT Enzymes
RT Labelled Compounds
RT Quantitative Chemical Analysis
RT Radioassay

Radiofrequency Systems
DA December 1, 1974
USE RF Systems

Radiographs
DA December 1, 1974
USE Images

Radiography (Auto)
DA December 1, 1974
USE Autoradiography

Radiography (Biomedical)
DA December 1, 1974
USE Biomedical Radiography

Radiography (Industrial)
DA December 1, 1974
USE Industrial Radiography

Radiography (Micro)
DA October 1, 1975
USE Microradiography

RADIOIMMUNOASSAY [01]
DA December 1, 1974
BT1 Immunoassay
BT2 Bioassay
BT1 Radioassay
BT1 Radioimmunodetection
BT2 Diagnostic Techniques
BT2 Tracer Techniques
BT3 Isotope Applications
BT1 Radioimmunology
BT2 Immunology
RT Antibodies
RT Antigen-Antibody Reactions
RT Antigens
RT CPB
RT Labelled Compounds
RT Radioimmunoscintigraphy
RT Radioisotopes

RADIOIMMUNODETECTION [01]
DA January 23, 1990
BT1 Diagnostic Techniques
BT1 Tracer Techniques
BT2 Isotope Applications
NT1 Radioimmunoassay
NT1 Radioimmunoscintigraphy
RT Antibodies
RT Labelled Compounds
RT Neoplasms

RADIOIMMUNOLOGY [01]
DA December 1, 1974
BT1 Immunology
NT1 Radioimmunoassay
NT1 Radioimmunotherapy
RT Biological Radiation Effects
RT Grafts
RT Immunity
RT Irradiation
RT Therapy

RADIOIMMUNOSCINTIGRAPHY
DA October 22, 1987
BT1 Radioimmunodetection
BT2 Diagnostic Techniques
BT2 Tracer Techniques
BT3 Isotope Applications
BT1 Scintiscanning
BT2 Diagnostic Techniques
BT2 Radioisotope Scanning
BT3 Counting Techniques
RT Monoclonal Antibodies
RT Radioimmunoassay
RT Radioimmunotherapy
DEF The in vivo use of radiolabelled antibodies to visualize particular biological structures, especially diagnostic use in medicine.

RADIOIMMUNOTHERAPY
DA January 14, 1986
BT1 Immunotherapy
BT2 Therapy
BT1 Radioimmunology
BT2 Immunology
BT1 Radiotherapy
BT2 Radiology
BT3 Nuclear Medicine
BT4 Medicine
BT2 Therapy
RT Antibodies
RT Monoclonal Antibodies
RT Radioimmunoscintigraphy

Radioinduced Reactions
DA December 1, 1974
USE Chemical Radiation Effects

RADIOINDUCTION
DA February 6, 1975
RT Biological Radiation Effects
RT Radiation Injuries
RT Radiobiology

RADIOISOTOPE BATTERIES [01]
DA December 1, 1974
UF *Batteries (Isotopic)*
BT1 Direct Energy Converters
NT1 SNAP Batteries
NT2 SNAP 1 Battery
NT2 SNAP 3 Battery
NT2 SNAP 5 Battery
NT2 SNAP 7 Battery
NT2 SNAP 9 Battery
NT2 SNAP 11 Battery
NT2 SNAP 13 Battery
NT2 SNAP 15 Battery
NT2 SNAP 17 Battery
NT2 SNAP 19 Battery
NT2 SNAP 21 Battery
NT2 SNAP 23 Battery
NT2 SNAP 25 Battery
NT2 SNAP 27 Battery
NT2 SNAP 29 Battery
RT Cardiac Pacemakers
RT Direct Collection Converters
RT Mechanical Heart
RT Radioisotope Heat Sources
RT Radioisotopes
RT Thermoelectric Generators

RADIOISOTOPE GENERATORS [01]
DA December 1, 1974
UF *Cow-Milkers*
UF *Generators (Radioisotope)*
RT Cesium 137
RT Daughter Products
RT Decay
RT Diagnostic Techniques
RT Germanium 68
RT Half-Life
RT Isotope Production
RT Isotope Separation
RT Magnesium 28
RT Molybdenum 99
RT Strontium 90
RT Tellurium 132
RT Tin 113
RT Yttrium 87

RADIOISOTOPE HEAT SOURCES [01]
DA December 1, 1974
UF *Heat Sources (Radioisotope)*
BT1 Heat Sources
RT Energy
RT Radioisotope Batteries
RT Thermoelectric Generators

Radioisotope Kinetics
DA December 1, 1974
USE Radionuclide Kinetics

Radioisotope-Labelled Drugs
DA May 18, 1981
USE Radiopharmaceuticals

Radioisotope Migration
DA December 1, 1974
USE Radionuclide Migration

RADIOISOTOPE SCANNERS [01]
DA December 1, 1974
RT Gamma Cameras
RT Image Processing
RT Image Scanners
RT Images
RT Positron Cameras
RT Radiation Detectors
RT Radioisotope Scanning

RADIOISOTOPE SCANNING [01]
DA December 1, 1974

UF *Scanning (Radioisotope)*
BT1 Counting Techniques
NT1 Scintiscanning
NT2 Radioimmunoscintigraphy
RT Cameras
RT ECAT Scanning
RT Emission Computed Tomography
RT Gamma Detection
RT Positron Computed Tomography
RT Radioisotope Scanners
RT Single Photon Emission Computed Tomography
RT Tomography

RADIOISOTOPES [01]
DA December 1, 1974
UF *Radionuclides*
BT1 Isotopes
* **NT1** Alpha Decay Radioisotopes
* **NT1** Beta Decay Radioisotopes
NT1 Bone Seekers
* **NT1** Days Living Radioisotopes
NT1 Delayed Neutron Precursors
NT1 Delayed Proton Precursors
* **NT1** Element 104 Isotopes
* **NT1** Element 105 Isotopes
NT1 Element 106 Isotopes
NT2 Element 106 259
NT2 Element 106 260
NT2 Element 106 261
NT2 Element 106 263
NT1 Element 107 Isotopes
NT2 Element 107 261
NT2 Element 107 262
NT1 Element 108 Isotopes
NT2 Element 108 264
NT2 Element 108 265
NT1 Element 109 Isotopes
NT2 Element 109 266
* **NT1** Heavy Ion Decay Radioisotopes
* **NT1** Hours Living Radioisotopes
* **NT1** Internal Conversion Radioisotopes
* **NT1** Isomeric Transition Isotopes
* **NT1** Microsec Living Radioisotopes
* **NT1** Millisec Living Radioisotopes
* **NT1** Minutes Living Radioisotopes
* **NT1** Nanosec Living Radioisotopes
NT1 Neutron-Deficient Isotopes
NT1 Neutron-Rich Isotopes
NT2 Neon 29
NT2 Neon 30
NT2 Nitrogen 23
* **NT1** Proton Decay Radioisotopes
* **NT1** Seconds Living Radioisotopes
* **NT1** Spontaneous Fission Radioisotopes
* **NT1** Years Living Radioisotopes
RT Biological Localization
RT Carrier-Free Isotopes
RT Carriers
RT Hutch Event
RT Nuclear Medicine
RT Radiation Sources
RT Radioactive Materials
RT Radioactivity
RT Radioimmunoassay
RT Radioisotope Batteries
RT Radionuclide Administration
RT Radionuclide Kinetics
RT Radionuclide Migration
RT Radiopharmaceuticals

RADIOLOGICAL PERSONNEL [01]
DA May 6, 1975
BT1 Medical Personnel
BT2 Personnel
BT3 Man
BT4 Primates
BT5 Mammals
BT6 Vertebrates
BT7 Animals
RT Biomedical Radiography
RT Industrial Radiography

Radiological Protection
DA December 1, 1974
USE Radiation Protection

RADIOLOGICAL WARFARE [01]
DA July 9, 1987
BT1 Warfare
RT Enhanced Radiation Weapons
DEF Employment of agents or weapons to produce casualties by means of ionizing radiations, as distinguished from blast or thermal effects.

RADIOLOGY [01]
(For the use of radiant energy in medicine.)
DA December 1, 1974
BT1 Nuclear Medicine
BT2 Medicine
NT1 Biomedical Radiography
NT2 Fluoroscopy
NT2 Ionographic Imaging
NT2 Osteodensitometry
NT2 Renography
NT1 Radiotherapy
NT2 Afterloading
NT2 Neutron Therapy
NT3 Neutron Capture Therapy
NT2 Radioimmunotherapy

RADIOLUMINESCENCE [01]
DA December 1, 1974
BT1 Luminescence
NT1 Radiothermoluminescence
RT Scintillations

RADIOLYSIS [01]
DA December 1, 1974
UF *Degradation (Radioinduced)*
BT1 Chemical Radiation Effects
BT2 Radiation Effects
BT1 Decomposition
BT2 Chemical Reactions
NT1 Autoradiolysis
RT Dissociation
RT G Value
RT Photolysis

RADIOMETERS [01]
DA December 1, 1974
BT1 Radiation Detectors
BT2 Measuring Instruments
RT Heterodyne Receivers
RT Pyranometers

RADIOMETRIC ANALYSIS [01]
DA December 1, 1974
BT1 Quantitative Chemical Analysis
BT2 Chemical Analysis
RT Radiation Scattering Analysis
RT Radioactivity
RT Radiochemical Analysis
DEF Quantitative chemical analysis that is based on measurement of the absolute disintegration rate of a radioactive component having a known specific activity.

RADIOMETRIC GAGES [01]
DA December 1, 1974
UF *Beta Backscattering Gages*
BT1 Measuring Instruments
NT1 Electron-Capture Detectors
RT Densimeters
RT Level Indicators
RT Moisture Gages
RT Nondestructive Testing
RT Radiometric Sorting
RT Sedimentometers
RT Thickness Gages

RADIOMETRIC SORTING [01]
DA May 6, 1975
RT Ore Processing
RT Radiometric Gages

RADIOMETRIC SURVEYS [01]
DA February 14, 1978
BT1 Geophysical Surveys
BT2 Surveys
RT Aerial Prospecting
RT Exploration
RT Gamma Spectroscopy
RT Radioactivity Logging
RT Uranium Deposits
RT X-Ray Spectroscopy

RADIOMIMETIC DRUGS [01]
DA December 1, 1974
BT1 Drugs
NT1 Neocarcinostatin
RT Antimitotic Drugs
RT Carcinogens
RT Mutagens

RADIONUCLIDE ADMINISTRATION [01]
DA December 1, 1974
RT Blood-Plasma Clearance
RT Inhalation
RT Injection
RT Intake
RT Intratracheal Administration
RT Oral Administration
RT Radioisotopes
RT Radionuclide Kinetics

Radionuclide Concentration
DA December 1, 1974
USE Radioactivity

Radionuclide Distributions
DA December 1, 1974
USE Radionuclide Kinetics

RADIONUCLIDE KINETICS [01]
(For radionuclides in living organisms only; see also TRANSLOCATION.)
DA December 1, 1974
UF *Contamination (Internal)*
UF *Internal Contamination*
UF *Radioisotope Kinetics*
UF *Radionuclide Distributions*
UF *Radionuclide Metabolism*
UF *Radionuclide Transfer (In Organisms)*
UF *Radionuclide Turnover*
UF *Transfer (In Organism)*
UF *Transport (In Organisms)*
UF *Turnover (Radionuclides)*
RT Biological Half-Life
RT Biological Hot Spots
RT Biological Localization
RT Biophysics
RT Blood-Plasma Clearance
RT Body Burden
RT Bone Seekers
RT Carriers
RT Compartments
RT Concentration Ratio
RT Dose Commitments
RT Dynamic Function Studies
RT Excretion
RT Intake
RT Internal Irradiation
RT Metabolism
RT Nonuniform Irradiation
RT Personnel Monitoring
RT Radioactivity
RT Radioisotopes
RT Radionuclide Administration
RT Retention
RT Retention Functions
RT Tissue Distribution
RT Tracer Techniques
RT Unsealed Sources
RT Uptake
RT Whole-Body Counting

Radionuclide Metabolism
DA December 1, 1974
USE Radionuclide Kinetics

RADIONUCLIDE MIGRATION [01]
(In environment.)
DA December 1, 1974
UF *Migration (Radionuclide)*
UF *Radioisotope Migration*
UF *Radionuclide Transfer (In Environment)*
UF *Transfer (In Environment)*
BT1 Environmental Transport
BT2 Mass Transfer
RT Biological Availability
RT Clays
RT Diffusion
RT Ecosystems
RT Environment
RT Fallout Deposits
RT Food Chains

RT Ground Water
RT Irrigation
RT Particle Resuspension
RT Radioecological Concentration
RT Radioecology
RT Radioisotopes
RT Soils
RT Tracer Techniques
RT Transfrontier Contamination
RT Translocation

Radionuclide Transfer (In Environment)
DA December 1, 1974
USE Radionuclide Migration

Radionuclide Transfer (In Organisms)
DA December 1, 1974
USE Radionuclide Kinetics

Radionuclide Turnover
DA December 1, 1974
USE Radionuclide Kinetics

Radionuclides
DA December 1, 1974
USE Radioisotopes

Radiopasteurization
(Prior to July 1985, this was a valid descriptor and older material is so indexed.)
DA December 1, 1974
USE Radicidation

RADIOPHARMACEUTICALS [01]
DA December 1, 1974
UF *Radioisotope-Labelled Drugs*
SF *Radioactive Tracers*
BT1 Drugs
BT1 Labelled Compounds
NT1 MIBG
RT Dynamic Function Studies
RT ECAT Scanning
RT Iodochloroquine
RT Methyl Tyrosine
RT Microspheres
RT Nuclear Medicine
RT Radiocolloids
RT Radioisotopes
RT Scintiscanning
RT Tracer Techniques

Radiophotoluminescent Dosemeters
DA December 1, 1974
USE RPL Dosemeters

Radiopolymerization
DA December 1, 1974
USE Chemical Radiation Effects
AND Polymerization

RADIOPRESERVATION [01]
DA May 15, 1975
BT1 Irradiation
BT1 Preservation
RT Food
RT Food Processing
RT Radurization
RT Storage Life

RADIOPROTECTIVE SUBSTANCES [01]
DA December 1, 1974
UF+ *Dose Reduction Factor*
UF+ *Dose Relative Factor*
UF+ *DRF*
BT1 Drugs
NT1 Acridones
NT1 AET
NT1 BAL
NT1 Cystamine
NT1 Cystaphos
NT1 Cytriphos
NT1 Dianabol
NT1 DTPA
NT1 Ethyrone
NT1 Gammaphos
NT1 Glutathione
NT1 Hydroxytryptophan
NT1 Kallikrein
NT1 MEA
NT1 MEG
NT1 Mercaptopropylamine
NT1 Mexamine
NT1 MPG
NT1 Penicillamine
NT1 Pentacyn
NT1 Royal Jelly
NT1 Serotonin
NT2 Bufotenine
RT Radiation Protection
RT Radiosensitivity Effects
RT Radiosensitizers
RT Response Modifying Factors

RADIORECEPTOR ASSAY [01]
DA May 23, 1980
BT1 Tracer Techniques
BT2 Isotope Applications
RT Bioassay
RT Cell Membranes
RT Radioassay
RT Receptors

Radioresistance
DA December 1, 1974
USE Radiosensitivity

RADIOSENSITIVITY [01]
DA December 1, 1974
UF *Radioresistance*
RT Biological Radiation Effects
RT Dose-Response Relationships
RT Radiation Effects
RT Radiobiology
RT Radiosensitivity Effects
RT Radiosensitizers
RT Response Modifying Factors
RT Survival Curves

RADIOSENSITIVITY EFFECTS
DA February 6, 1975
RT Radioprotective Substances
RT Radiosensitivity
RT Radiosensitizers

RADIOSENSITIZERS [01]
DA December 1, 1974
BT1 Drugs
NT1 CMNI
NT1 FUDR
NT1 Metronidazole
NT1 Misonidazole
NT1 NEM
NT1 Triacetoneamine-N-Oxyl
RT Antimitotic Drugs
RT Radioprotective Substances
RT Radiosensitivity
RT Radiosensitivity Effects
RT Response Modifying Factors

RADIOSTERILIZATION [01]
DA February 6, 1975
UF *Radappertization*
BT1 Sterilization
RT Irradiation

Radiosurgery
DA December 1, 1974
USE Radiotherapy
AND Surgery

RADIOTHERAPY [01]
DA December 1, 1974
UF *Contact Radiotherapy*
UF *High Energy Radiotherapy*
UF *Plesiotherapy*
UF *Supervoltage Radiotherapy*
UF+ *Radiosurgery*
BT1 Radiology
BT2 Nuclear Medicine
BT3 Medicine
BT1 Therapy
NT1 Afterloading
NT1 Neutron Therapy
NT2 Neutron Capture Therapy
NT1 Radioimmunotherapy
RT Anticonvulsants
RT Collimators
RT Combined Therapy
RT Cumulative Radiation Effects
RT Depth Dose Distributions
RT Fractionated Irradiation
RT Irradiation
RT Isodose Curves
RT Phantoms
RT Radiation Source Implants

RADIOTHERMOLUMINESCENCE [01]
DA January 9, 1981
BT1 Radioluminescence
BT2 Luminescence
BT1 Thermoluminescence
BT2 Luminescence

Radiothorium
DA December 1, 1974
USE Thorium 228

RADIOTOXINS [01]
DA December 1, 1974
RT Abscopal Radiation Effects
RT Toxins

RADIOWAVE RADIATION [01]
DA December 1, 1974
UF+ *Decimeter Wave Radiation (1-3 Dm)*
UF+ *Decimeter Wave Radiation (3-10Dm)*
UF+ *Meter Wave Radiation*
UF+ *Shf Radiation*
UF+ *Super High Frequency Radiation*
UF+ *Uhf Radiation (01-100 Ghz)*
UF+ *Uhf Radiation (100-1000 Mhz)*
UF+ *Uhf Radiation (Lower Range)*
UF+ *Uhf Radiation (Upper Range)*
UF+ *Ultrahigh Frequency Radiation (01-100 Ghz)*
UF+ *Ultrahigh Frequency Radiation (100-1000 Mhz)*
UF+ *Ultrahigh Frequency Radiation (Lower Range)*
UF+ *Ultrahigh Frequency Radiation (Upper Range)*
UF+ *Very High Frequency Radiation*
UF+ *Vhf Radiation*
BT1 Electromagnetic Radiation
BT2 Radiations
NT1 Long Wave Radiation
NT1 Luxemburg Effect
NT1 Medium Wave Radiation
NT1 Radio Noise
NT2 Atmospherics
NT2 Whistlers
NT1 Radioecho
NT1 Short Wave Radiation
NT1 Solar Radio Bursts
NT1 Solar Radiowave Radiation
RT Cosmic Radio Sources
RT Critical Frequency
RT Polar-Cap Absorption
RT Radar
RT Radio Equipment
RT RF Systems
RT Signal Distortion
RT Wavelengths

RADISHES [01]
DA December 1, 1974
BT1 Magnoliopsida
BT2 Magnoliophyta
BT3 Plants
BT1 Vegetables
BT2 Food
BT2 Plants
RT Brassica

RADIUM [01]
DA December 1, 1974
BT1 Alkaline Earth Metals
BT2 Metals
BT3 Elements
RT Natural Radioactivity

RADIUM 205 [01]
DA May 23, 1988
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Radium Isotopes

BT2 Alkaline Earth Isotopes
BT3 Isotopes

RADIUM 206 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Radium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes

RADIUM 207 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Radium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RADIUM 208 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Radium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RADIUM 209 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Radium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RADIUM 210 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Radium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RADIUM 211 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Radium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RADIUM 212 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Radium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RADIUM 213 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Radium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes

RADIUM 214 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Radium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RADIUM 215 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Radium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RADIUM 216 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Nanosec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Radium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes

RADIUM 217 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Microsec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Radium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes

RADIUM 218 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Microsec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Radium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes

RADIUM 219 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Radium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RADIUM 220 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Radium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RADIUM 221 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei

BT1 Radium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RADIUM 222 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Carbon 14 Decay Radioisotopes
BT2 Heavy Ion Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Radium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RADIUM 223 [01]
DA December 1, 1974
UF *Actinium X*
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Carbon 14 Decay Radioisotopes
BT2 Heavy Ion Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Radium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes

RADIUM 224 [01]
DA December 1, 1974
UF *Thorium X*
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Carbon 14 Decay Radioisotopes
BT2 Heavy Ion Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Radium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes

RADIUM 225 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Radium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes

RADIUM 226 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Carbon 14 Decay Radioisotopes
BT2 Heavy Ion Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Radium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RADIUM 226 TARGET [01]
DA July 9, 1976
BT1 Targets

RADIUM 227 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Radium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes

RADIUM 228 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Radium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RADIUM 229 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Radium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RADIUM 230 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Radium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes

RADIUM 231 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Radium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes

RADIUM 232 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Radium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes

RADIUM 233 [01]
DA December 1, 1974
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Radium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RADIUM 234 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Radium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

Radium A
DA December 1, 1974
USE Polonium 218

Radium Additions
(Prior to August 1993 this was a valid descriptor.)
DA April 7, 1975
USE Alloys

Radium B
DA December 1, 1974
USE Lead 214

RADIUM BROMIDES [01]
DA December 1, 1974
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds

BT2 Halides
BT3 Halogen Compounds
BT1 Radium Compounds
BT2 Alkaline Earth Metal Compounds

Radium C
DA December 1, 1974
USE Bismuth 214

Radium C/
DA December 1, 1974
USE Polonium 214

Radium C/
DA December 1, 1974
USE Thallium 210

RADIUM CARBONATES [01]
DA December 1, 1974
BT1 Carbonates
BT2 Carbon Compounds
BT2 Oxygen Compounds
BT1 Radium Compounds
BT2 Alkaline Earth Metal Compounds

RADIUM CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Radium Compounds
BT2 Alkaline Earth Metal Compounds

RADIUM COMPLEXES [01]
DA December 1, 1974
BT1 Alkaline Earth Metal Complexes
BT2 Complexes

RADIUM COMPOUNDS [01]
DA December 1, 1974
UF+ *Radium Silicates*
BT1 Alkaline Earth Metal Compounds
NT1 Radium Bromides
NT1 Radium Carbonates
NT1 Radium Chlorides
NT1 Radium Fluorides
NT1 Radium Nitrates
NT1 Radium Oxides
NT1 Radium Sulfates

Radium D
DA December 1, 1974
USE Lead 210

Radium E
DA December 1, 1974
USE Bismuth 210

Radium E/
DA December 1, 1974
USE Thallium 206

Radium F
DA December 1, 1974
USE Polonium 210

RADIUM FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Radium Compounds
BT2 Alkaline Earth Metal Compounds

Radium G
DA December 1, 1974
USE Lead 206

RADIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

RADIUM ISOTOPES [01]
DA December 1, 1974
BT1 Alkaline Earth Isotopes
BT2 Isotopes
NT1 Radium 205
NT1 Radium 206
NT1 Radium 207
NT1 Radium 208
NT1 Radium 209
NT1 Radium 210
NT1 Radium 211
NT1 Radium 212
NT1 Radium 213
NT1 Radium 214
NT1 Radium 215
NT1 Radium 216
NT1 Radium 217
NT1 Radium 218
NT1 Radium 219
NT1 Radium 220
NT1 Radium 221
NT1 Radium 222
NT1 Radium 223
NT1 Radium 224
NT1 Radium 225
NT1 Radium 226
NT1 Radium 227
NT1 Radium 228
NT1 Radium 229
NT1 Radium 230
NT1 Radium 231
NT1 Radium 232
NT1 Radium 233
NT1 Radium 234
RT Bone Seekers

RADIUM NITRATES [01]
DA March 11, 1976
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds
BT1 Radium Compounds
BT2 Alkaline Earth Metal Compounds

RADIUM OXIDES [01]
DA March 11, 1976
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds
BT1 Radium Compounds
BT2 Alkaline Earth Metal Compounds

Radium Silicates
(Prior to January 1993, this was a valid descriptor.)
DA March 11, 1976
USE Radium Compounds
AND Silicates

RADIUM SULFATES [01]
DA December 1, 1974
BT1 Radium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds

RADON [01]
DA December 1, 1974
BT1 Rare Gases
BT2 Gases
BT3 Fluids
BT2 Nonmetals
BT3 Elements
RT Natural Radioactivity

RADON 196 [01]
DA December 28, 1978
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Radon Isotopes
BT2 Is topes

RADON 199 [01]
DA September 11, 1978
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Radon Isotopes
BT2 Isotopes

RADON 200 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Radon Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RADON 201 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioluotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Radon Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RADON 202 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Radon Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RADON 203 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Radon Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RADON 204 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes

BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Radon Isotopes
BT2 Isotopes

RADON 205 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Radon Isotopes
BT2 Isotopes

RADON 206 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Radon Isotopes
BT2 Isotopes

RADON 207 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Radon Isotopes
BT2 Isotopes

RADON 208 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Radon Isotopes
BT2 Isotopes

RADON 209 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Radon Isotopes
BT2 Isotopes

RADON 210 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Nanosec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Radon Isotopes
BT2 Isotopes

RADON 211 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Nanosec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Radon Isotopes
BT2 Isotopes

RADON 212 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Radon Isotopes
BT2 Isotopes

RADON 213 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Radon Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RADON 214 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Nanosec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Radon Isotopes
BT2 Isotopes

RADON 215 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Microsec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Radon Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RADON 216 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Microsec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Radon Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RADON 217 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Microsec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Radon Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RADON 218 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes

BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Radon Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RADON 219 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Radon Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RADON 220 [01]
DA December 1, 1974
UF *Thoron*
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Radon Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RADON 221 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Radon Isotopes
BT2 Isotopes

RADON 222 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Radon Isotopes
BT2 Isotopes

RADON 223 [01]
DA September 15, 1983
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Radon Isotopes
BT2 Isotopes

RADON 224 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Radon Isotopes
BT2 Isotopes

RADON 225 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Radon Isotopes
BT2 Isotopes

RADON 226 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Radon Isotopes
BT2 Isotopes

RADON 227 [01]
DA February 19, 1987
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Radon Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RADON 228 [01]
DA August 1, 1989
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Radon Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RADON CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Radon Compounds
BT2 Rare Gas Compounds

RADON COMPLEXES [01]
DA December 1, 1974
BT1 Complexes

RADON COMPOUNDS [01]
DA December 1, 1974
BT1 Rare Gas Compounds
NT1 Radon Chlorides
NT1 Radon Fluorides
NT1 Radon Oxides

RADON FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Radon Compounds
BT2 Rare Gas Compounds

RADON IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

RADON ISOTOPES [01]
DA December 1, 1974
BT1 Isotopes
NT1 Radon 196
NT1 Radon 199
NT1 Radon 200
NT1 Radon 201
NT1 Radon 202
NT1 Radon 203
NT1 Radon 204
NT1 Radon 205
NT1 Radon 206
NT1 Radon 207
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NT1 Radon 221
NT1 Radon 222
NT1 Radon 223
NT1 Radon 224
NT1 Radon 225
NT1 Radon 226
NT1 Radon 227
NT1 Radon 228

Radon Monitors
DA April 4, 1975
USE Emanometers

RADON OXIDES [01]
DA December 1, 1974
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds
BT1 Radon Compounds
BT2 Rare Gas Compounds

RADURIZATION [01]
DA May 15, 1975
RT Radiopreservation

RAFFINOSE [01]
DA December 1, 1974
BT1 Oligosaccharides
BT2 Saccharides
BT3 Carbohydrates
BT4 Organic Compounds

RAFT RIVER VALLEY [01]
DA May 17, 1976
BT1 Idaho
BT2 USA
BT3 Developed Countries
BT3 North America

RAHYD Process
(Prior to June 1991 this was a valid descriptor.)
DA November 7, 1979
USE Reprocessing
DEF Dry Reprocessing of U and Th metallic fuels.

RAIL TRANSPORT [01]
DA June 7, 1976
BT1 Land Transport
BT2 Transport
RT Monorails
RT Railroad Cars
RT Railways
RT Routing
RT Travel

RAILGUN ACCELERATORS [01]
DA January 15, 1980
BT1 Accelerators
RT Impact Fusion Drivers
DEF In a railgun a conducting magnetic projectile completes the current connection between two conducting rails connected to a source of current.

RAILROAD CARS [01]
DA August 7, 1978
BT1 Trains
BT2 Vehicles
RT Locomotives
RT Rail Transport
RT Railways

RAILWAYS [01]
DA April 7, 1975
NT1 Electric Railways
NT1 Monorails
RT Levitated Trains
RT Locomotives
RT Rail Transport
RT Railroad Cars
RT Rapid Transit Systems
RT Trains

RAIN [01]
DA December 1, 1974
BT1 Atmospheric Precipitations
NT1 Acid Rain
RT Disasters
RT Droplets
RT Landslides
RT Monsoons
RT Rain Water
RT Snow
RT Storms
RT Washout

RAIN WATER [01]
DA December 1, 1974
BT1 Water
BT2 Hydrogen Compounds
BT2 Oxygen Compounds
NT1 Throughfall
RT Atmospheric Precipitations
RT Interception
RT Rain
RT Runoff

Rainout
DA December 1, 1974
USE Washout

RAJASTHAN-1 REACTOR [01]
(Kota, Rajasthan, India)
DA December 1, 1974
UF *RAPS-1 Reactor*
BT1 Candu Type Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT2 Pressure Tube Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 PHWR Type Reactors
BT2 Heavy Water Cooled Reactors
BT3 Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors

RAJASTHAN-2 REACTOR [01]
(Kota, Rajasthan, India)
DA December 1, 1974
UF *RAPS-2 Reactor*
BT1 Candu Type Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT2 Pressure Tube Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 PHWR Type Reactors
BT2 Heavy Water Cooled Reactors
BT3 Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors

→**RAJASTHAN-3 REACTOR [01]**
(Kota, Rajasthan, India)
DA March 4, 1993
BT1 Candu Type Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT2 Pressure Tube Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 PHWR Type Reactors
BT2 Heavy Water Cooled Reactors
BT3 Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors

→**RAJASTHAN-4 REACTOR [01]**
(Kota, Rajasthan, India)
DA March 4, 1993
BT1 Candu Type Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT2 Pressure Tube Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 PHWR Type Reactors
BT2 Heavy Water Cooled Reactors
BT3 Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors

RAKE-2 REACTOR [01]
(Central Institute for Nuclear Research Rossendorf, Dresden, Federal Republic of Germany.)
DA September 11, 1975
UF *Rossendorf Assembly for Critical Experiments*
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

Raleigh-NCSC Research Reactor-1
DA December 1, 1974
USE NCSCR-1 Reactor

Raleigh PULSTAR Reactor
DA December 1, 1974
USE Pulstar-Raleigh Reactor

RAMAN EFFECT [01]
DA December 1, 1974
RT Raman Spectra
RT Raman Spectroscopy
RT Scattering
RT Spectra
RT Ultraviolet Radiation
RT Visible Radiation

RAMAN SPECTRA [01]
DA October 1, 1975
BT1 Spectra
RT Laser Spectroscopy
RT Raman Effect
RT Raman Spectroscopy

RAMAN SPECTROSCOPY [01]
(Prior to March 1983 this concept was indexed to RAMAN SPECTRA.)
DA March 7, 1983
UF *CARS Spectroscopy*
UF *Coherent Anti-Stokes Raman Spectroscopy*
BT1 Laser Spectroscopy
BT2 Spectroscopy
RT Quantitative Chemical Analysis
RT Raman Effect
RT Raman Spectra

RAMJET ENGINES [01]
DA December 1, 1974
BT1 Internal Combustion Engines
BT2 Heat Engines
BT3 Engines

RAMSAUER EFFECT [01]
DA December 1, 1974
UF *Ramsauer-Townsend Effect*
RT Elastic Scattering

Ramsauer-Townsend Effect
DA December 1, 1974
USE Ramsauer Effect

Rana
DA December 1, 1974
USE Frogs

RANA REACTOR [01]
(National Nuclear Energy Committee, Rome, Italy.)
DA December 1, 1974
UF *Casaccia RANA Reactor*
UF *Ispra-2 RANA Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors

RANCE POWER PLANT [01]
DA July 29, 1975
BT1 Tidal Power Plants
BT2 Power Plants

RANCHO SECO-1 REACTOR [01]
(Sacramento, California, USA)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors

BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

RANCHO SECO-2 REACTOR [01]
(Sacramento, California)
DA December 1, 1974
BT1 Power Reactors
BT2 Reactors

RANDOM NUMBER GENERATORS
DA March 23, 1983
RT Computer Codes
RT Pulse Generators
RT Randomness

RANDOM PHASE APPROXIMATION [01]
DA December 1, 1974
RT Boson Expansion
RT Ericson Theory
RT Statistics

RANDOMNESS [01]
DA December 1, 1974
RT Attractors
RT Monte Carlo Method
RT Random Number Generators

RANGE [01]
(Of particles and radiations in matter; not for ENERGY RANGE or INTERACTION RANGE.)
DA December 1, 1974
RT Absorption
RT Depth Dose Distributions
RT Distance
RT Energy Losses
RT Stopping Power

RANGE FINDERS [01]
DA November 28, 1975
BT1 Measuring Instruments
NT1 Radar
NT2 Acoustic Radar
NT2 Optical Radar
NT2 Synthetic-Aperture Radar
NT1 Sonar

RANGELANDS
DA September 13, 1978
UF *Grasslands*
BT1 Terrestrial Ecosystems
BT2 Ecosystems
RT Domestic Animals
RT Grazing
RT Management
RT Pastures
RT Plants
RT Resource Assessment
RT Wild Animals
DEF Lands providing forage for domestic and wild animals, wildlife cover, recreation opportunities and vegetation for watershed protection.

RANGER DEPOSIT [01]
DA June 3, 1977
BT1 Uranium Deposits
BT2 Geologic Deposits
BT2 Mineral Resources
BT3 Resources
RT Northern Territory
RT Uranium Ores

RANGER PROJECT
DA May 6, 1987
BT1 Atmospheric Explosions
BT2 Explosions
BT1 Nuclear Explosions
BT2 Explosions

RANKINE CYCLE [01]
DA December 1, 1974
BT1 Thermodynamic Cycles
RT Rankine Cycle Power Systems
RT Thermodynamics
DEF An ideal thermodynamic cycle consisting of heat addition at constant pressure, isentropic expansion, heat rejection at constant pressure, and isentropic compression; used as an ideal standard for the performance of heat-engine and heat-pump installations operating with a condensable vapor as the working fluid, such as a steam power plant. Also known as steam cycle.

RANKINE CYCLE ENGINES [01]
DA May 5, 1975
BT1 Heat Engines
BT2 Engines
RT Automobiles
RT Rankine Cycle Power Systems
RT Steam
RT Vapor Generators

RANKINE CYCLE POWER SYSTEMS [01]
DA February 6, 1975
BT1 Power Systems
BT2 Energy Systems
RT Power Plants
RT Rankine Cycle
RT Rankine Cycle Engines

RANKINE-HUGONIOT EQUATIONS [01]
DA December 1, 1974
BT1 Equations
RT Shock Waves

RANQUILITE [01]
DA December 1, 1974
BT1 Calcium Silicates
BT2 Calcium Compounds
BT3 Alkaline Earth Metal Compounds
BT2 Silicates
BT3 Oxygen Compounds
BT3 Silicon Compounds
BT1 Silicate Minerals
BT2 Minerals
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
BT1 Uranium Silicates
BT2 Silicates
BT3 Oxygen Compounds
BT3 Silicon Compounds
BT2 Uranium Compounds
BT3 Actinide Compounds

RANSTAD DEPOSIT [01]
DA January 9, 1981
BT1 Uranium Deposits
BT2 Geologic Deposits
BT2 Mineral Resources
BT3 Resources
RT Sweden
RT Uranium Ores

RANUNCULACEAE [01]
DA December 1, 1974
UF *Buttercups*
UF *Caraway*
UF *Crowfoot*
UF *Delphinium*
UF *Nigella*
BT1 Magnoliopsida
BT2 Magnoliophyta
BT3 Plants

RAPID TRANSIT SYSTEMS
DA November 28, 1975
BT1 Transportation Systems
RT Electric Railways
RT Mass Transit Systems
RT Railways
RT Trains
RT Transport

RAPS-1 Reactor
DA December 1, 1974
USE Rajasthan-1 Reactor

RAPS-2 Reactor
DA December 1, 1974
USE Rajasthan-2 Reactor

RAPSODIE REACTOR [01]
(CEA/CEN Cadarache, St. Paul Lez Durance, France.)
DA December 1, 1974
UF *Cadarache Rapsodie Reactor*
UF *Fortissimo Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 FBR Type Reactors
BT2 Breeder Reactors
BT3 Reactors
BT2 Fast Reactors
BT3 Epithermal Reactors
BT4 Reactors
BT1 Plutonium Reactors
BT2 Reactors
BT1 Sodium Cooled Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors

RARE EARTH ADDITIONS [01]
DA December 1, 1974
BT1 Rare Earth Alloys
BT2 Alloys
NT1 Cerium Additions
NT2 Alloy-Ni60Cr25W15
NT2 Alloy-Ni60Mo13Co9Cr8Nb4Al3
NT2 Alloy-Ni67Cr19Mo5W5Ti3
NT1 Dysprosium Additions
NT1 Erbium Additions
NT1 Europium Additions
NT1 Gadolinium Additions
NT1 Holmium Additions
NT1 Lanthanum Additions
NT2 Alloy-Co36Cr22Ni22W15Fe3
NT3 Haynes 188 Alloy
NT1 Lutetium Additions
NT1 Neodymium Additions
NT1 Praseodymium Additions
NT1 Promethium Additions
NT1 Samarium Additions
NT1 Terbium Additions
NT1 Thulium Additions
NT1 Ytterbium Additions

RARE EARTH ALLOYS [01]
DA December 1, 1974
BT1 Alloys
* **NT1** Cerium Alloys
NT1 Dysprosium Alloys
NT2 Dysprosium Additions
NT2 Dysprosium Base Alloys
NT1 Erbium Alloys
NT2 Erbium Additions
NT2 Erbium Base Alloys
NT1 Europium Alloys
NT2 Europium Additions
NT2 Europium Base Alloys
NT1 Gadolinium Alloys
NT2 Gadolinium Additions
NT2 Gadolinium Base Alloys
NT1 Holmium Alloys
NT2 Holmium Additions
NT2 Holmium Base Alloys
* **NT1** Lanthanum Alloys
NT1 Lutetium Alloys
NT2 Lutetium Additions
NT2 Lutetium Base Alloys
NT1 Magnesium Alloy-EK
NT1 Magnesium Alloy-EZ
NT1 Neodymium Alloys
NT2 Neodymium Additions
NT2 Neodymium Base Alloys
NT1 Praseodymium Alloys
NT2 Praseodymium Additions
NT2 Praseodymium Base Alloys
NT1 Promethium Alloys
NT2 Promethium Additions
NT2 Promethium Base Alloys
* **NT1** Rare Earth Additions
NT1 Samarium Alloys
NT2 Samarium Additions

NT2 Samarium Base Alloys
NT1 Terbium Alloys
NT2 Terbium Additions
NT2 Terbium Base Alloys
NT1 Thulium Alloys
NT2 Thulium Additions
NT2 Thulium Base Alloys
NT1 Ytterbium Alloys
NT2 Ytterbium Additions
NT2 Ytterbium Base Alloys
RT Actinide Alloys

RARE EARTH COMPLEXES [01]
DA December 1, 1974
BT1 Complexes
NT1 Cerium Complexes
NT1 Dysprosium Complexes
NT1 Erbium Complexes
NT1 Europium Complexes
NT1 Gadolinium Complexes
NT1 Holmium Complexes
NT1 Lanthanum Complexes
NT1 Lutetium Complexes
NT1 Neodymium Complexes
NT1 Praseodymium Complexes
NT1 Promethium Complexes
NT1 Samarium Complexes
NT1 Terbium Complexes
NT1 Thulium Complexes
NT1 Ytterbium Complexes

RARE EARTH COMPOUNDS [01]
DA December 1, 1974
NT1 Aeschynite
NT1 Bastnaesite
* NT1 Cerium Compounds
* NT1 Dysprosium Compounds
* NT1 Erbium Compounds
* NT1 Europium Compounds
NT1 Freyalite
NT1 Gadolinite
* NT1 Gadolinium Compounds
* NT1 Holmium Compounds
* NT1 Lanthanum Compounds
* NT1 Lutetium Compounds
NT1 Lyndochite
NT1 Mesodialyte
NT1 Monazites
* NT1 Neodymium Compounds
NT1 Nogizawalite
* NT1 Praseodymium Compounds
* NT1 Promethium Compounds
* NT1 Samarium Compounds
* NT1 Terbium Compounds
NT1 Thorianite
* NT1 Thulium Compounds
* NT1 Ytterbium Compounds

RARE EARTH ISOTOPES
DA April 8, 1975
BT1 Isotopes
* NT1 Cerium Isotopes
* NT1 Dysprosium Isotopes
* NT1 Erbium Isotopes
* NT1 Europium Isotopes
* NT1 Gadolinium Isotopes
* NT1 Holmium Isotopes
* NT1 Lanthanum Isotopes
* NT1 Lutetium Isotopes
* NT1 Praseodymium Isotopes
* NT1 Promethium Isotopes
* NT1 Samarium Isotopes
* NT1 Terbium Isotopes
* NT1 Thulium Isotopes
* NT1 Ytterbium Isotopes

RARE EARTH NUCLEI [01]
(For nuclear properties of rare earths.)
DA April 8, 1975
BT1 Intermediate Mass Nuclei
BT2 Nuclei
NT1 Cerium 123
NT1 Cerium 124
NT1 Cerium 125
NT1 Cerium 126
NT1 Cerium 127
NT1 Cerium 128
NT1 Cerium 129
NT1 Cerium 130
NT1 Cerium 131
NT1 Cerium 132
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NT1 Cerium 151
NT1 Cerium 152
NT1 Dysprosium 141
NT1 Dysprosium 142
NT1 Dysprosium 143
NT1 Dysprosium 144
NT1 Dysprosium 145
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NT1 Erbium 145
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NT1 Gadolinium 137
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NT1 Lanthanum 120
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NT1 Neodymium 142
NT1 Neodymium 143
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NT1 Neodymium 155
NT1 Neodymium 156
NT1 Praseodymium 121
NT1 Praseodymium 124
NT1 Praseodymium 126
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NT1 Praseodymium 154
NT1 Promethium 130
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NT1 Samarium 131
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NT1 Terbium 140
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NT1 Ytterbium 178
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NT1 Ytterbium 180
NT1 Yttrium 179

RARE EARTHS [01]
DA December 1, 1974
UF *Lanthanides*
BT1 Metals
BT2 Elements
NT1 Cerium
NT2 Cerium-Alpha
NT2 Cerium-Beta
NT2 Cerium-Gamma
NT1 Dysprosium
NT1 Erbium
NT1 Europium
NT1 Gadolinium
NT1 Holmium
NT1 Lanthanum
NT1 Lutetium
NT1 Neodymium
NT1 Praseodymium
NT1 Promethium
NT1 Samarium
NT1 Terbium
NT1 Thulium
NT1 Ytterbium
RT Thucholite

RARE GAS COMPOUNDS [01]
DA December 1, 1974
* NT1 Argon Compounds
* NT1 Helium Compounds
* NT1 Krypton Compounds
* NT1 Neon Compounds
NT1 Radon Compounds
NT2 Radon Chlorides
NT2 Radon Fluorides
NT2 Radon Oxides
* NT1 Xenon Compounds
RT Excimer Lasers

RARE GASES [01]
DA December 1, 1974
UF *Noble Gases*
BT1 Gases
BT2 Fluids
BT1 Nonmetals
BT2 Elements
NT1 Argon
NT1 Helium
NT1 Krypton
NT1 Neon
NT1 Radon
NT1 Xenon
RT Clathrates
RT Emanation Method
RT Emanation Thermal Analysis
RT Gas Scintillation Detectors
RT Inert Atmosphere

RAREFIED GASES [01]
DA December 1, 1974
BT1 Gases
BT2 Fluids

RARITA-SCHWINGER THEORY [01]
DA December 1, 1974
RT Quantum Mechanics
RT Wave Equations

→**RAROTONGA TREATY [01]**
DA February 10, 1992
BT1 Treaties
RT Arms Control
RT International Agreements
RT Nuclear Weapons
RT Tlatelolco Treaty

Ras al Khaima
DA August 5, 1976
USE United Arab Emirates

Raschig Rings
DA December 1, 1974
USE Column Packing

RASPBERRIES [01]
DA August 24, 1976
BT1 Fruits
BT2 Food
RT Rosaceae

Rat Kangaroos
DA June 15, 1981
USE Marsupials

RATCHETING [01]
DA July 7, 1976
BT1 Deformation
RT Mechanical Structures
DEF Progressive distortion resulting from or enhanced by cyclic loading.

RATE STRUCTURE
DA April 6, 1978
NT1 Fuel Adjustment Mechanisms
RT Electric Utilities
RT Gas Utilities
RT Marginal-Cost Pricing
RT Prices
RT Sellback
RT Time-of-Use Pricing
RT US Natural Gas Policy Act
RT US Public Utility Regulatory Policies Act

Ratemeters (Counting)
DA December 1, 1974
USE Counting Ratemeters

Ratemeters (Dose)
DA December 1, 1974
USE Dose Ratemeters

Ratemeters (Exposure)
DA December 1, 1974
USE Exposure Ratemeters

Rational Surfaces
DA April 9, 1991
USE Mode Rational Surfaces

Rationing
DA March 3, 1978
USE Allocations

RATS [01]
DA December 1, 1974
BT1 Rodents
BT2 Mammals
BT3 Vertebrates
BT4 Animals

RAUVITE [01]
DA December 1, 1974
BT1 Calcium Oxides
BT2 Calcium Compounds
BT3 Alkaline Earth Metal Compounds
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT1 Oxide Minerals
BT2 Minerals
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
BT1 Uranium Oxides
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT2 Uranium Compounds
BT3 Actinide Compounds
BT1 Vanadium Oxides
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT2 Vanadium Compounds
BT3 Transition Element Compounds

RAW MATERIALS [01]
DA June 14, 1978
BT1 Materials
NT1 Chemical Feedstocks
RT Resource Management
RT Resources
DEF Material available, suitable, or required for manufacture, development, training, or some other finishing process, but not yet so used.

Rawalpindi Research Reactor
DA December 1, 1974
USE PARR Reactor

Rayleigh-Ritz Method
DA December 1, 1974
USE Ritz Method

RAYLEIGH SCATTERING [01]
DA December 1, 1974
BT1 Coherent Scattering
BT2 Scattering

RAYLEIGH-SCHROEDINGER FORMULA [01]
DA December 1, 1974
RT Perturbation Theory

RAYLEIGH-TAYLOR INSTABILITY [01]
DA December 1, 1974
BT1 Instability
RT Fluid Flow
RT Hydrodynamics
RT Plasma Macroinstabilities

RAYLEIGH WAVES [01]
DA December 1, 1974
BT1 Seismic Surface Waves
BT2 Seismic Waves
RT Earthquakes
RT Seismic Detection
RT Underground Explosions

RAYON [01]
DA December 1, 1974
BT1 Polysaccharides
BT2 Saccharides
BT3 Carbohydrates
BT4 Organic Compounds
RT Cellulose
RT Fibers
RT Textiles

RAZDAN COMPUTERS [01]
DA December 1, 1974
BT1 Computers

RB-1 REACTOR [01]
(Montecuccolino Nuclear Engineering Lab., Univ. of Bologna, Bologna, Italy.)
DA December 1, 1974
UF *Montecuccolino RB-1 Reactor*
UF *Reattore Bologna-1*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Graphite Moderated Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

RB-2 REACTOR [01]
DA December 1, 1974
UF *Montecuccolino RB-2 Reactor*
UF *Reattore Bologna-2*
BT1 Argonaut Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

RB-3 REACTOR [01]
DA December 1, 1974
UF *Montecuccolino RB-3 Reactor*
UF *Reattore Bologna-3*
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

RBE [01]
DA December 1, 1974
UF *Relative Biological Effectiveness*
RT Biological Radiation Effects
RT LET
RT Oxygen Enhancement Ratio
RT Quality Factor
RT Radiation Effects
RT Radiation Quality

RBMK-1000 Reactor
DA September 20, 1984
USE Leningrad-1 Reactor

RBMK-1500 Reactor
DA September 20, 1984
USE Ignalinsk-1 Reactor

RBMK Type Reactors
(High-power channel-cooled graphite-moderated reactor type.)
DA November 1, 1988
USE LWGR Type Reactors

RC-1 Reactor
DA December 1, 1974
USE TRIGA-2-Rome Reactor

RC-4 Reactor Casaccia
DA December 1, 1974
USE RITMO Reactor

RCIC SYSTEMS [01]
DA January 30, 1975
UF *Reactor Core Isolation Cooling*
BT1 Reactor Cooling Systems
BT2 Cooling Systems
BT3 Energy Systems
BT2 Reactor Components

RCN [01]
(Reactor Centrum Nederland.)
DA May 6, 1975
BT1 Netherlands Organizations
BT2 National Organizations

RCNP CYCLOTRON [01]
(Research Center for Nuclear Physics, Osaka University.)
DA March 24, 1983
BT1 Isochronous Cyclotrons
BT2 Cyclotrons
BT3 Cyclic Accelerators
BT4 Accelerators

RDF
DA November 2, 1976
USE Refuse Derived Fuels

Re-Entry
DA December 1, 1974
USE Reentry

REACTION HEAT [01]
DA December 1, 1974
UF *Heat of Reaction*
BT1 Enthalpy
BT2 Thermodynamic Properties
BT3 Physical Properties
NT1 Combustion Heat
NT1 Dissociation Heat
NT1 Formation Heat
RT Thermochemical Heat Storage
RT Wetting Heat

REACTION INTERMEDIATES [01]
DA October 23, 1978
SF *Intermediates (Reaction)*
SF *Transient Species*
RT Carbanions
RT Carbenes
RT Carbynes
RT Chemical Reaction Kinetics
RT Chemical Reactions
RT Photochemistry
RT Radiation Chemistry
RT Radicals
RT Seed-Slag Interactions

REACTION KINETICS [01]
DA December 1, 1974
UF *Reaction Mechanisms*
UF *Reaction Rate*
UF+ *Activity Coefficient*
BT1 Kinetics
NT1 Biochemical Reaction Kinetics
NT1 Chemical Reaction Kinetics
NT2 Combustion Kinetics
NT1 Nuclear Reaction Kinetics
RT Activation Energy
RT Arrhenius Equation
RT Dissociation
RT Equilibrium

Reaction Mechanisms
DA December 1, 1974
USE Reaction Kinetics

REACTION PRODUCT TRANSPORT SYSTEMS
DA January 28, 1975
UF *Transport (Reaction Product)*
NT1 Rabbit Tubes
RT Accelerator Facilities
RT Nuclear Reactions
RT Reactor Experimental Facilities
RT Recoils

Reaction Rate
DA December 1, 1974
USE Reaction Kinetics

Reactivation
DA November 25, 1980
SEE Regeneration

REACTIVITY [01]
DA December 1, 1974
RT Inhour Equation
RT Pile Oscillation Techniques
RT Pile Replacement Techniques
RT Poisoning
RT Reactivity Coefficients
RT Reactivity Insertions
RT Reactivity Meters
RT Reactivity Units
RT Reactivity Worths
RT Reactor Kinetics
RT Rod Drop Method

Reactivity (Chemical)
DA June 6, 1979
USE Activation Energy

REACTIVITY COEFFICIENTS [01]
DA December 1, 1974
NT1 Danger Coefficient
NT1 Doppler Coefficient
NT1 Power Coefficient
NT1 Pressure Coefficient
NT1 Temperature Coefficient
NT1 Void Coefficient
RT Reactivity
RT Reactivity Insertions
RT Reactor Kinetics

REACTIVITY INSERTIONS [01]
DA December 1, 1974
NT1 Rod Drop Accidents
RT Pulsed Reactors
RT Reactivity
RT Reactivity Coefficients
RT Reactivity Units
RT Reactivity Worths
RT Reactor Kinetics
RT Rod Ejection Accidents

REACTIVITY METERS [01]
DA December 1, 1974
BT1 Meters
BT2 Measuring Instruments
RT Reactivity

REACTIVITY UNITS [01]
DA December 1, 1974
BT1 Units
NT1 Dollars
NT1 Inhours
RT Reactivity
RT Reactivity Insertions

REACTIVITY WORTHS [01]
DA December 1, 1974
RT Reactivity
RT Reactivity Insertions

710 Reactor
DA January 17, 1975
SEE Enriched Uranium Reactors
OR Fast Reactors
OR Gas Cooled Reactors
OR Mobile Reactors
OR Propulsion Reactors

REACTOR ACCIDENTS [01]
DA December 1, 1974
BT1 Accidents
NT1 ATWS
NT1 Design Basis Accidents
NT2 Maximum Credible Accident
NT1 Excursions
NT1 Fuel Element Failure
NT1 Loss of Coolant
NT1 Loss of Flow
NT1 Meltdown
NT1 Power-Cooling-Mismatch Accidents
NT1 Reactor Core Disruption
NT1 Rod Drop Accidents
NT1 Rod Ejection Accidents
NT1 Transient Overpower Accidents
RT Burnout
RT CANARE
RT CENNA
RT Corium
RT Emergency Plans
RT Fuel-Coolant Interactions
RT Missile Protection
RT Molten Metal-Water Reactions
RT Pressure Suppression
RT Reactor Operation
RT Reactor Safety
RT Source Terms

Reactor Argentin-0
DA December 1, 1974
USE RA-0 Reactor

Reactor Argentin-1
DA December 1, 1974
USE RA-1 Reactor

Reactor Argentin-2
DA December 1, 1974
USE RA-2 Reactor

Reactor Argentin-3
DA December 1, 1974
USE RA-3 Reactor

REACTOR CELLS [01]
DA December 1, 1974
UF *Cells (Reactor)*
RT Reactor Lattices

REACTOR CHANNELS [01]
(Passage through the reactor.)
DA December 1, 1974
UF *Channels (Reactor)*
BT1 Reactor Components
NT1 Beam Holes
NT1 Experimental Channels
NT1 Fuel Channels

REACTOR CHARGING MACHINES [01]
DA December 1, 1974
UF *Charging Machines (Reactor)*
UF *Loading Machines (Reactor)*
BT1 Reactor Components
RT Reactor Fueling
RT Remote Handling

REACTOR COMMISSIONING [01]
DA December 1, 1974
UF *Commissioning (Reactor)*
RT National Control
RT Reactor Decommissioning

REACTOR COMPONENTS [01]
DA December 1, 1974
NT1 Breeding Blankets
NT1 Control Elements
NT2 Regulating Rods
NT2 Scram Rods
NT2 Shim Rods
NT1 Control Rod Drives
NT1 Core Catchers
* **NT1** Fuel Elements
NT1 Reactor Channels
NT2 Beam Holes
NT2 Experimental Channels
NT2 Fuel Channels
NT1 Reactor Charging Machines
NT1 Reactor Cooling Systems
NT2 Direct Cycle Cooling Systems
NT2 Dual Cycle Cooling Systems
NT2 Integrated Cooling Systems
NT2 Primary Coolant Circuits
NT3 Coolant Cleanup Systems
NT2 RCIC Systems
NT2 RHR Systems
NT2 Secondary Coolant Circuits
NT2 Shrouds
NT1 Reactor Cores
NT2 Coupled Reactor Cores
NT2 Heterogeneous Reactor Cores
NT1 Reactor Experimental Facilities
NT2 Beam Holes
NT2 Experimental Channels
NT2 In Pile Loops
NT2 Rabbit Tubes
NT2 TRISTAN Separator
NT1 Reactor Internals
NT1 Reactor Safety Fuses
RT Alarm Systems

RT Condensation Chambers
RT Containers
RT Containment
RT Control Equipment
RT Cooling Towers
RT Electrical Equipment
RT Electronic Equipment
RT Fins
RT Fluid-Structure Interactions
RT Heat Exchangers
RT Jackets
RT Leak Detectors
RT Pumps
RT Reactor Materials
RT Shielding Materials
RT Shields
RT Sleeves
RT Spacers
RT Vanes

Reactor Control Rods
DA December 1, 1974
USE Control Elements

REACTOR CONTROL SYSTEMS [01]
DA December 1, 1974
UF *Monitors (Reactor)*
BT1 Control Systems
NT1 Interlocks
RT Automation
RT Boiling Detection
RT Burnable Poisons
RT Configuration Control
RT Control Elements
RT Control Rod Drives
RT Control Rooms
RT Fluid Poison Control
RT Neutron Absorbers
RT Neutron Detectors
RT Neutron Monitors
RT On-Line Control Systems
RT Process Computers
RT Reactor Instrumentation
RT Reactor Monitoring Systems
RT Reactor Safety Fuses
RT Thermocouples
DEF The processes and operations ensuring the control and safe running of a nuclear reactor.

Reactor Control Theory
DA December 1, 1974
USE Reactor Kinetics

REACTOR COOLING SYSTEMS [01]
DA December 1, 1974
UF *Cooling System (Reactor)*
BT1 Cooling Systems
BT2 Energy Systems
BT1 Reactor Components
NT1 Direct Cycle Cooling Systems
NT1 Dual Cycle Cooling Systems
NT1 Integrated Cooling Systems
NT1 Primary Coolant Circuits
NT2 Coolant Cleanup Systems
NT1 RCIC Systems
NT1 RHR Systems
NT1 Secondary Coolant Circuits
NT1 Shrouds
RT Blowers
RT Boilers
RT Bypasses
RT Compressors
RT Condensation Chambers
RT Condenser Cooling Systems
RT Coolants
RT Cooling
RT Demineralizers
RT Economizers
RT Feedwater
RT Feedwater Heaters
RT Fluid Flow
RT Fluid-Structure Interactions
RT Heat Exchangers
RT Heat Transfer
RT Hot Channel
RT Hot Spots
RT Isolation Condensers
RT Loss of Coolant
RT Pressure Tubes
RT Pressurizers
RT Pumps
RT Recombiners
RT Restraints
RT Steam Condensers
RT Steam Generators
RT Steam Jet Ejectors
RT Steam Lines
RT Steam Separators
RT Steam Systems
RT Steam Turbines
RT Superheaters
RT Tubes
RT Valves
RT Vapor Generators

REACTOR CORE DISRUPTION [01]
DA December 1, 1974
UF *HCDA*
BT1 Reactor Accidents
BT2 Accidents
RT Reactor Cores

Reactor Core Isolation Cooling
DA January 30, 1975
USE RCIC Systems

REACTOR CORE RESTRAINTS [01]
DA December 1, 1974
BT1 Reactor Protection Systems
BT2 Engineered Safety Systems
BT1 Restraints
RT Reactor Cores
RT Reactor Safety
RT Supports

REACTOR CORES [01]
DA December 1, 1974
UF *Cores (Reactor)*
BT1 Reactor Components
NT1 Coupled Reactor Cores
NT1 Heterogeneous Reactor Cores
RT Control Elements
RT Core Catchers
RT Fluid-Structure Interactions
RT Fuel Assemblies
RT Fuel Elements
RT Fuel Management
RT In Core Instruments
RT Moderators
RT Power Density
RT Power Distribution
RT Reactor Core Disruption
RT Reactor Core Restraints
RT Reactor Internals
RT Reactor Lattices

REACTOR DECOMMISSIONING [01]
DA December 1, 1974
BT1 Decommissioning
RT National Control
RT Reactor Commissioning

REACTOR DISMANTLING [01]
DA December 1, 1974
UF *Dismantling (Reactor)*
BT1 Demolition
RT Fuel Assembly Dismantling
RT National Control

REACTOR EXPERIMENTAL FACILITIES [01]
DA December 1, 1974
UF *Experimental Facilities (Reactor)*
BT1 Reactor Components
NT1 Beam Holes
NT1 Experimental Channels
NT1 In Pile Loops
NT1 Rabbit Tubes
NT1 TRISTAN Separator
RT Reaction Product Transport Systems

Reactor Fuel Elements
DA December 1, 1974
USE Fuel Elements

REACTOR FUELING [01]
DA December 1, 1974
UF *Charging (Reactor)*
UF *Discharging (Reactor)*
UF *Fuel Loading*
UF *Loading (Reactor)*
UF *Unloading (Reactor)*
NT1 Batch Loading
RT Fuel Management
RT Fuel Pools
RT Gas Injection
RT Pellet Injection
RT Reactor Charging Machines
RT Reactor Operation
RT Remote Handling

Reactor Fuels
DA December 1, 1974
USE Nuclear Fuels

REACTOR INSTRUMENTATION [01]
DA December 1, 1974
NT1 In Core Instruments
NT2 Noise Thermometers
RT Control Rooms
RT Loose Parts Monitoring
RT Measuring Instruments
RT Reactor Control Systems
RT Reactor Monitoring Systems
RT Reactor Operation
RT Reactor Protection Systems
RT Reactor Safety
RT Reactor Shutdown

REACTOR INTERNALS
DA January 30, 1975
BT1 Reactor Components
RT Reactor Cores

REACTOR KINETICS [01]
DA December 1, 1974
UF *Control Theory (Reactor)*
UF *Reactor Control Theory*
BT1 Kinetics
RT Burnable Poisons
RT Control Elements
RT Control Rod Worths
RT Criticality
RT Delayed Neutrons
RT Heterogeneous Effects
RT Inhour Equation
RT Perturbation Theory
RT Poisoning
RT Reactivity
RT Reactivity Coefficients
RT Reactivity Insertions
RT Reactor Kinetics Equations
RT Reactor Noise
RT Reactor Period
RT Reactor Physics
RT Reactor Simulators
RT Reactor Stability
RT Rod Drop Method
RT Subcriticality

REACTOR KINETICS EQUATIONS [01]
DA December 1, 1974
UF *Kinetics Equations (Reactor)*
BT1 Equations
NT1 Response Matrix Method
RT Chapman-Kolmogorov Equation
RT Reactor Kinetics

REACTOR LATTICE PARAMETERS [01]
DA December 1, 1974
UF *Pitch (Reactor Parameters)*
UF *Reactor Lattice Pitch*
RT Homogenization Methods
RT Reactor Lattices
RT Reactor Physics

Reactor Lattice Pitch
DA December 1, 1974
USE Reactor Lattice Parameters

REACTOR LATTICES [01]
DA December 1, 1974
UF *Lattices (Reactor)*
RT Configuration
RT Configuration Control
RT Fuel Elements
RT Power Density
RT Reactor Cells
RT Reactor Cores
RT Reactor Lattice Parameters
RT Zero Power Reactors

REACTOR LICENSING [01]
DA December 1, 1974
BT1 Licensing
RT Antitrust Review
RT Financial Data
RT Ges Fuer Reaktorsicherheit
RT Reactor Safety

REACTOR MAINTENANCE [01]
DA December 1, 1974
BT1 Maintenance
RT In-Service Inspection
RT Inspection
RT Reactor Operation
RT Repair

REACTOR MATERIALS [01]
(To be assigned in conjunction with the specific descriptor for the material used in a reactor, provided this descriptor is not yet up-posted to reactor materials.)
DA December 1, 1974
BT1 Materials
NT1 Nuclear Fuels
NT2 Alloy Nuclear Fuels
NT2 Denatured Fuel
NT2 Dispersion Nuclear Fuels
NT2 Fuel Solutions
NT2 Liquid Metal Fuels
NT2 Mixed Carbide Fuels
NT2 Molten Salt Fuels
NT2 Spent Fuels
NT1 Nuclear Poisons
NT2 Burnable Poisons
NT2 Fission Poisons
NT2 Soluble Poisons
RT Coolants
RT Matrix Materials
RT Moderators
RT Neutron Absorbers
RT Reactor Components
RT Shielding Materials

REACTOR MONITORING SYSTEMS [01]
(Measuring and evaluation systems for performance monitoring of reactor or its components. Not to be confused with reactor control systems.)
DA November 8, 1984
RT Acoustic Monitoring
RT Failed Element Monitors
RT Loose Parts Monitoring
RT Monitoring
RT On-Line Measurement Systems
RT Reactor Control Systems
RT Reactor Instrumentation
RT Temperature Monitoring

REACTOR NOISE [01]
DA December 1, 1974
UF *Noise (Reactor)*
RT Correlation Functions
RT Reactor Kinetics
RT Variations

REACTOR OPERATION [01]
DA December 1, 1974
UF *Operation (Reactor)*
BT1 Operation
NT1 Reactor Start-Up
RT Fuel Element Failure
RT Reactor Accidents
RT Reactor Fueling
RT Reactor Instrumentation
RT Reactor Maintenance
RT Reactor Operators
RT Reactor Shutdown
RT Repair

REACTOR OPERATORS [01]
DA April 14, 1980
BT1 Personnel
BT2 Man
BT3 Primates
BT4 Mammals
BT5 Vertebrates
BT6 Animals
RT Reactor Operation

REACTOR OSCILLATORS [01]
DA December 1, 1974
UF *Oscillators (Reactor)*
RT Oscillators
RT Pile Oscillation Techniques

REACTOR PERIOD [01]
DA December 1, 1974
UF *Period (Reactor)*
RT Reactor Kinetics
RT Rossi Alpha Method

REACTOR PHYSICS [01]
(Use only for indexing articles of very broad coverage, such as annual reviews, text book, etc.)
DA May 25, 1979
BT1 Physics
RT Neutron Slowing-Down Theory
RT Neutron Transport Theory
RT Reactor Kinetics
RT Reactor Lattice Parameters
RT Reactor Safety

REACTOR POISON REMOVAL [01]
DA December 1, 1974
UF *Removal (Reactor Poison)*
BT1 Removal
RT Nuclear Poisons
RT Samarium Oscillations
RT Xenon Oscillations

REACTOR PROTECTION SYSTEMS [01]
DA December 1, 1974
BT1 Engineered Safety Systems
NT1 ECCS
NT2 Core Flooding Systems
NT2 Core Spray Systems
NT2 High Pressure Coolant Injection
NT2 Low Pressure Coolant Injection
NT1 Reactor Core Restraints
RT Equipment Protection Devices
RT Reactor Instrumentation
RT Reactor Safety
RT Scram
RT Systems Analysis

REACTOR SAFETY [01]
DA December 1, 1974
UF *Safety (Reactor)*
BT1 Safety
RT Accidents
RT Bethe-Tait Method
RT Boiling Detection
RT Condensation Chambers
RT Containment
RT Containment Spray Systems
RT Criticality
RT Depressurization
RT Fuel Densification
RT Fuel Element Failure
RT Ges Fuer Reaktorsicherheit
RT High Pressure Coolant Injection
RT Hot Channel Factor
RT Hot Spot Factor
RT Low Pressure Coolant Injection
RT Maximum Credible Accident
RT Pressure Release
RT Pressure Suppression
RT Radiation Protection
RT Reactor Accidents
RT Reactor Core Restraints
RT Reactor Instrumentation
RT Reactor Licensing
RT Reactor Physics
RT Reactor Protection Systems
RT Reactor Technology
RT Reactors
RT Reliability
RT Safety Engineering
RT Safety Standards
RT Site Selection
RT Systems Analysis
DEF Theoretical and experimental investigations of the behavior of reactor types and designs under various real or hypothetical accidents.

REACTOR SAFETY EXPERIMENTS [01]
DA December 1, 1974
NT1 Containment Mockup Facility
NT1 Containment Research Installation
NT1 Containment Systems Experiment
NT1 Nuclear Safety Pilot Plant
RT ECCS

REACTOR SAFETY FUSES [01]
DA December 1, 1974
UF *Fuses (Reactor Safety)*
BT1 Reactor Components
RT Reactor Control Systems
RT Scram

REACTOR SHUTDOWN [01]
DA December 1, 1974
UF *Shutdown (Reactor)*
BT1 Shutdown
NT1 Scram
RT After-Heat
RT Reactor Instrumentation
RT Reactor Operation
RT Residual Power

REACTOR SIMULATORS [01]
DA December 1, 1974
UF *Simulators (Reactor)*
BT1 Simulators
BT2 Analog Systems
BT2 Functional Models
RT Control Rooms
RT Reactor Kinetics
RT WNTR Reactor

REACTOR SITES [01]
DA December 1, 1974
UF *Sites (Reactor)*
NT1 Bruce Site
NT1 Darlington Site
NT1 Pickering Site
RT Environment
RT External Zones
RT Offshore Nuclear Power Plants
RT Offshore Sites
RT Site Approvals
RT Site Preparation
RT Site Selection

Reactor Siting
DA December 1, 1974
USE Site Selection

REACTOR STABILITY [01]
DA December 1, 1974
UF *Stability (Reactor)*
BT1 Stability
RT Frequency Response Testing
RT Nonlinear Problems
RT Nyquist Diagrams
RT Reactor Kinetics
RT Transfer Functions

REACTOR START-UP [01]
DA December 1, 1974
UF *Start-Up (Reactor)*
BT1 Reactor Operation
BT2 Operation
BT1 Start-Up
RT Thermonuclear Ignition

REACTOR TECHNOLOGY [01]
DA October 1, 1975
RT Nuclear Engineering
RT Reactor Safety
RT Reactors

Reactor Thermal Columns
DA December 1, 1974
USE Thermal Columns

Reactor Triga Puspati
DA February 22, 1985
USE RTP Reactor

Reactor Venezolano-1
DA December 1, 1974
USE RV-1 Reactor

REACTOR VESSELS [01]
(For nonpressurized containers of reactor cores and associated components.)

DA December 1, 1974
UF *Vessels (Reactor)*
BT1 Containers

REACTORS [01]
DA December 1, 1974
UF *Nuclear Reactors*
* NT1 Breeder Reactors
NT1 Desalination Reactors
NT2 BN-350 Reactor
NT1 Dust Cooled Reactors
* NT1 Enriched Uranium Reactors
* NT1 Epithermal Reactors
* NT1 Fluid Fueled Reactors
NT1 Fog Cooled Reactors
* NT1 Gas Cooled Reactors
* NT1 Graphite Moderated Reactors
* NT1 Heavy Water Cooled Reactors
* NT1 Heavy Water Moderated Reactors
* NT1 Homogeneous Reactors
* NT1 Hydride Moderated Reactors
* NT1 Irradiation Reactors
* NT1 Liquid Metal Cooled Reactors
* NT1 Metal Moderated Reactors
* NT1 Mixed Spectrum Reactors
* NT1 Mobile Reactors
NT1 Molten Salt Reactors
NT2 Molten Salt Cooled Reactors
NT3 MSRE Reactor
NT2 Molten Salt Fueled Reactors
* NT1 Natural Uranium Reactors
* NT1 Organic Cooled Reactors
* NT1 Organic Moderated Reactors
* NT1 Plutonium Reactors
* NT1 Power Reactors
* NT1 Pressure Tube Reactors
* NT1 Process Heat Reactors
* NT1 Production Reactors
* NT1 Propulsion Reactors
* NT1 Pulsed Reactors
* NT1 Research and Test Reactors
NT1 Steam Cooled Reactors
* NT1 Tank Type Reactors
* NT1 Thermal Reactors
NT1 Thermoelectric Reactors
* NT1 Thorium Reactors
NT1 Transportable Reactors
NT2 Package Reactors
NT2 TIBR Reactor
* NT1 Water Cooled Reactors
* NT1 Water Moderated Reactors
RT Criticality
RT Excursions
RT Fission
RT Fission Products
RT Fuel Elements
RT Hybrid Reactors
RT Natural Nuclear Reactors
RT Nuclear Engineering
RT Nuclear Fuels
RT Reactor Safety
RT Reactor Technology
RT Spent Fuels

READOUT SYSTEMS [01]
DA December 1, 1974
RT Data Acquisition Systems
RT Recording Systems

REAGENTS [01]
DA December 1, 1974
SF *Chemicals*
NT1 1-Nitroso-2-Naphthol
NT1 Acetylacetone
NT1 Alizarin
NT1 Aluminon
NT1 Amidol
NT1 Arsenazo
NT1 Bromosulfophthalein
NT1 Cupferron
NT1 Dimethylglyoxime
NT1 Dithiols
NT2 BAL
NT2 Unithiol
NT1 Dithizone
NT1 Evans Blue
NT1 Ferroin
NT1 Ferron
NT1 Furildioxime
NT1 Morin
NT1 Murexide
NT1 Ninhydrin
NT1 Phenanthroline-Ortho
NT1 Pyridylazoresorcinol
NT1 Rhodamines
NT1 Rhodizonic Acid
NT1 Rose Bengal
NT1 Sensitizers
NT1 Starch
NT1 Thionalide
NT1 Thorin
NT1 Tiron
RT Reducing Agents

REAKTORSICHERHEITSKOMMISSION [01]
DA March 3, 1978
BT1 German FR Organizations
BT2 National Organizations

REAL TIME SYSTEMS [01]
DA December 1, 1974
RT Analog Systems
RT Computer Architecture
RT Computer Networks
RT Computers
RT Control Systems
RT MWD Systems
RT On-Line Control Systems
RT On-Line Systems
RT Process Computers
RT Transfer Functions

REARING [01]
DA December 1, 1974
NT1 Mass Rearing
RT Animal Growth
RT Diet
RT Domestic Animals
RT Insects
RT Nutrition

Reattore Bologna-1
DA December 1, 1974
USE RB-1 Reactor

Reattore Bologna-2
DA December 1, 1974
USE RB-2 Reactor

Reattore Bologna-3
DA December 1, 1974
USE RB-3 Reactor

Reattore Casaccia-1
DA December 1, 1974
USE TRIGA-2-Rome Reactor

Reattore Casaccia-4
DA December 1, 1974
USE RITMO Reactor

Reattore Organico Sperimentale Potenza Zero
DA December 1, 1974
USE ROSPO Reactor

RECEIPTS
DA August 12, 1980
RT Fuel Supplies
RT Trade

Receivers (Solar)
DA September 26, 1979
USE Solar Receivers

RECEPTORS [01]
DA July 6, 1978
BT1 Membrane Proteins
BT2 Proteins
BT3 Organic Compounds
RT Biochemistry
RT Bioelectricity
RT Calmodulin
RT Central Nervous System
RT Endocrine Glands
RT Enzymes
RT Hippocampus
RT Hormones
RT Immunity
RT Nerve Cells
RT Radioreceptor Assay
RT Sense Organs
RT Tamoxifen

RECESSIVE MUTATIONS [01]
DA December 1, 1974
BT1 Mutations

RECHARGE
DA May 17, 1976
UF *Groundwater Recharge*
RT Ground Water
DEF The processes involved in the absorption and addition of water to the zone of saturation.

Reciprocal Translocations
DA December 1, 1974
USE Chromosomal Aberrations

RECIPROCAL V LAW [01]
DA October 28, 1975
UF *1/V Law*
RT Cross Sections

Reclamation
DA December 10, 1979
SEE Land Reclamation

Recoil Chemistry
DA December 1, 1974
USE Hot Atom Chemistry

Recoil Distance Method
DA February 10, 1984
USE Charge Plunger Method

RECOILLESS FRACTION
DA January 22, 1975
RT Moessbauer Effect

RECOILS [01]
DA December 1, 1974
RT Chemical State
RT Delta Rays
RT Fission
RT Hot Atom Chemistry
RT Knock-On
RT Knock-Out Reactions
RT Proton Detection
RT Proton Recoil Detectors
RT Radiation Effects
RT Reaction Product Transport Systems

RECOMBINANT DNA [01]
DA April 17, 1981
BT1 DNA
BT2 Nucleic Acids
BT3 Organic Compounds
RT Biotechnology
RT DNA Hybridization
RT Gene Amplification
RT Gene Recombination
RT Oligonucleotides

RECOMBINATION [01]
(Of electrons, holes, ions, radicals or atoms.)
DA December 1, 1974
UF *Neutralization (Physical)*
RT Electron Capture
RT Radiation Chemistry

Recombination (Genetic)
DA December 1, 1974
USE Gene Recombination

RECOMBINERS [01]
DA December 1, 1974
RT Reactor Cooling Systems
RT Water

RECOMMENDATIONS [01]
DA December 1, 1974
UF *Guidelines*
UF *Radiation Protection Guides*
RT Agreements
RT Compliance
RT IAEA
RT ICRP
RT ICRU
RT Inspection
RT ISO
RT Legal Aspects
RT Licensing

RT Manuals
RT Radiation Protection
RT Reference Man
RT Regulations
RT Regulatory Guides
RT Research Programs
RT Safety Standards
RT SOLAS Convention

Recorded Information
DA December 1, 1974
SEE Data

RECORDING SYSTEMS [01]
DA December 1, 1974
RT Counting Techniques
RT Data Acquisition
RT Data Acquisition Systems
RT Data Processing
RT Electrocardiograms
RT Electronic Equipment
RT Measuring Instruments
RT Readout Systems

RECORDS MANAGEMENT [01]
DA November 9, 1983
BT1 Management
RT Information

Records Retrieval
DA December 1, 1974
USE Information Retrieval

Recovery
(Prior to June 1992 this was a valid descriptor.)
DA February 13, 1975
SEE Biological Recovery
OR Energy Recovery
OR Enhanced Recovery
OR Materials Recovery
OR Primary Recovery
OR Seed Recovery
OR Tritium Recovery

Recovery (Biological)
DA December 1, 1974
USE Biological Recovery

Recovery (Tritium)
DA September 11, 1975
USE Tritium Recovery

RECREATIONAL AREAS [01]
DA June 21, 1977
SF *Parks*
RT Aesthetics
RT Land Use
RT Recreational Vehicles
RT Tourism

RECREATIONAL VEHICLES
DA July 18, 1979
BT1 Vehicles
RT Motorboats
RT Occupants
RT Recreational Areas

RECRYSTALLIZATION [01]
DA December 1, 1974
RT Annealing
RT Crystallization
RT Grain Growth
RT Heat Treatments

RECTAL ADMINISTRATION [01]
DA August 24, 1976
BT1 Intake
RT Intestinal Absorption
RT Uptake

RECTANGULAR CONFIGURATION [01]
DA December 1, 1974
BT1 Configuration
NT1 Square Configuration
RT Plates

RECTENNAS
DA February 6, 1975
BT1 Antennas
BT2 Electrical Equipment
BT3 Equipment
RT Microwave Power Transmission
DEF A device that converts microwave energy into direct current.

RECTIFIER TUBES [01]
DA December 1, 1974
BT1 Electron Tubes
NT1 Capacitrons
NT1 Ignitrons
RT Rectifiers
RT Thyratrons

RECTIFIERS [01]
DA December 1, 1974
BT1 Electrical Equipment
BT2 Equipment
NT1 Semiconductor Rectifiers
RT Rectifier Tubes
RT Thyristors

RECTISOL PROCESS
DA January 27, 1975
BT1 Desulfurization
BT2 Chemical Reactions
RT Sasol-II Process
DEF Process using methanol as solvent for removal of CO_2, H_2S, NH_3, HCN, gum formers, higher hydrocarbons, and other impurities from crude gas produced by coal gasification for syngas or SNG manufacture; removal of H_2S, COS and CO_2 from reformed gas, in particular from gas produced by partial oxidation of hydrocarbons, to yield synthesis gas; and integration of gas purification with low-temperature plants (liquefaction and fractionation) for removal of moderate contents of acidic components.

RECTUM [01]
DA December 1, 1974
BT1 Large Intestine
BT2 Intestines
BT3 Gastrointestinal Tract
BT4 Digestive System
BT3 Organs
BT4 Body
RT Feces
RT Pelvis
RT Proctitis

RECURSION RELATIONS [01]
DA December 1, 1974
RT Differential Equations
RT Functions

Recycle (Fuel)
DA December 1, 1974
USE Fuel Cycle

RECYCLING [01]
DA November 11, 1975
RT Energy Conservation
RT Materials Recovery
RT Resource Conservation
RT Scrap
RT Thermonuclear Fuels
RT Waste Oil Refineries
RT Waste Oils

Recycling (Fuel)
DA December 1, 1974
USE Reprocessing

RED DWARF STARS [01]
DA December 1, 1974
BT1 Dwarf Stars
BT2 Stars

RED GIANT STARS [01]
DA December 1, 1974
BT1 Giant Stars
BT2 Stars
RT Helium Burning

RED SEA [01]
DA December 1, 1974
BT1 Seas
BT2 Surface Waters
NT1 Gulf of Suez
RT Egyptian Arab Republic
RT Ethiopia
RT Sudan

RED SHIFT [01]
DA December 17, 1975
RT Astrophysics
RT Cosmology
RT Doppler Effect
RT Einstein Effect
RT Hubble Effect

REDMUD EVENT
DA December 10, 1979
BT1 Fulcrum Operation
BT2 Nuclear Explosions
BT3 Explosions
BT2 Underground Explosions
BT3 Explosions

REDOX FUEL CELLS [01]
DA August 19, 1976
BT1 Regenerative Fuel Cells
BT2 Fuel Cells
BT3 Direct Energy Converters
BT3 Electrochemical Cells
RT Off-Peak Energy Storage

REDOX POTENTIAL [01]
DA December 1, 1974
UF *Eh*
RT Oxidation
RT Potentiometry
RT Reduction
RT Valence

REDOX PROCESS [01]
DA December 1, 1974
BT1 Reprocessing
BT2 Separation Processes
RT Ascorbic Acid
RT Coenzymes
RT Cytochromes
RT Oxidoreductases
RT Solvent Extraction

REDOX REACTIONS [01]
DA May 5, 1975
BT1 Chemical Reactions
RT Hydroaromatics
RT Oxidation
RT Reduction

Reduced Nicotinamide-Adenine Dinucleotide
DA June 22, 1980
USE NADH2

REDUCING AGENTS [01]
DA September 14, 1976
RT Reagents
RT Reduction

Reductases
DA December 1, 1974
USE Oxidoreductases

REDUCTION [01]
(For chemical reactions only.)
DA December 1, 1974
UF *Deoxidation*
UF+ *Disproportionation*
BT1 Chemical Reactions
NT1 Bomb Reduction
NT1 Selective Catalytic Reduction
NT1 Thermite Process
RT Jones Reductor
RT Kroll Process
RT Methanation
RT Oxidation
RT Oxidoreductases
RT Pyrometallurgy
RT Redox Potential
RT Redox Reactions
RT Reducing Agents

REDUCTIVE EXTRACTION [01]
DA December 1, 1974
BT1 Extraction
BT2 Separation Processes
RT Molten Salt Reactors

Reductive Perturbation Method
DA June 30, 1975
USE Perturbation Theory

REDWING PROJECT [01]
DA December 1, 1974
NT1 Tewa Event
NT1 Zuni Event
RT Nuclear Weapons

REEDS [01]
DA January 14, 1986
BT1 Gramineae
BT2 Liliopsida
BT3 Magnoliophyta
BT4 Plants
NT1 Sugar Cane

REEFS [01]
DA April 14, 1980
BT1 Geologic Structures
RT Rocks
RT Sand
RT Seas
DEF Chain of rocks or sand ridge at or near surface of water.

REENTRY [01]
DA December 1, 1974
UF *Re-Entry*
RT Ablation
RT Aerodynamics
RT Missiles
RT Nose Cones
RT Oil Wells
RT Parachutes
RT Plasma Sheath
RT Rockets
RT Space Flight
RT Space Vehicles

REENTRY VEHICLES [01]
DA December 16, 1975
BT1 Space Vehicles
BT2 Vehicles
RT Flight Testing
RT Missiles

REFERENCE MAN [01]
DA December 1, 1974
UF *Standard Man*
RT ICRP
RT Man
RT Radiation Protection
RT Recommendations

Reference Materials (Bio Mark)
DA November 8, 1984
USE Biological Markers

Reference Materials (Standard)
DA November 8, 1984
USE Calibration Standards

REFERENCE THETA PINCH REACTOR [01]
DA February 19, 1975
BT1 Thermonuclear Reactors
RT Toroidal Theta Pinch Devices

Refinement (Grain)
DA December 1, 1974
USE Grain Refinement

Refiner-Marketers
DA October 3, 1979
USE Marketers

REFINERY GASES
(Boiling point range -160 to 0°C.)
DA January 23, 1976
UF *Still Gas*
BT1 Gases
BT2 Fluids
BT1 Petroleum Fractions
BT2 Petroleum
BT3 Fossil Fuels
BT4 Energy Sources
BT4 Fuels
BT1 Petroleum Products
RT Fuel Gas
RT Natural Gas
RT Petroleum Refineries

REFINING [01]
DA December 1, 1974
BT1 Processing
NT1 Aurabon Process
NT1 Electrorefining
NT1 Gulf HDS Process
NT1 Zone Refining
RT BOM Refining Districts
RT Catalytic Reforming
RT Chloride Volatility Process
RT Dewaxing
RT Enrichment
RT Extractive Metallurgy
RT Fluoride Volatility Process
RT Ore Processing
RT Petroleum Products
RT Purification
RT Separation Processes
RT Sublimation

REFLECTION [01]
DA December 1, 1974
NT1 Bragg Reflection
NT1 Optical Reflection
RT Albedo
RT Backscattering
RT Electrostatic Mirrors
RT Greenhouse Effect
RT Incidence Angle
RT Mirrors
RT Parabolic Reflectors

REFLECTIVE COATINGS [01]
DA February 23, 1979
BT1 Coatings
RT Antireflection Coatings
RT Heat Mirrors
RT Solar Control Films

REFLECTIVITY [01]
DA January 28, 1975
BT1 Optical Properties
BT2 Physical Properties
BT1 Surface Properties
RT Scanning Light Microscopy
RT Spectral Reflectance
RT Visible Radiation

REFLECTOR SAVINGS [01]
DA December 1, 1974
RT Configuration Control
RT Critical Mass
RT Critical Size
RT Criticality
RT Neutron Reflectors
DEF A measure of the decrease in the critical size of a reactor as a consequence of the reflector.

Reflectors (Neutron)
DA December 1, 1974
USE Neutron Reflectors

REFLEXES [01]
DA December 1, 1974
NT1 Conditioned Reflexes
RT Behavior
RT Nerves
RT Nervous System
RT Sense Organs
RT Spinal Cord

REFORMER PROCESSES
DA August 19, 1975
BT1 Chemical Reactions
NT1 Autothermal Reformer Processes
NT1 Catalytic Reforming
NT1 Steam Reformer Processes
NT2 Segas Process
RT Hydrogen Production
RT JGC Methane-Rich Gas Process

REFRACTALOY [01]
DA December 1, 1974
BT1 Chromium Alloys
BT2 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Iron Alloys
BT2 Alloys
BT1 Nickel Alloys
BT2 Alloys

REFRACTION [01]
DA December 1, 1974
NT1 Birefringence
RT Fresnel Coefficient
RT Incidence Angle
RT Optical Dispersion
RT Optical Properties
RT Refractive Index
RT Refractivity
RT Schlieren Method
RT Wave Propagation

→**REFRACTIVE INDEX [01]**
DA August 14, 1991
BT1 Optical Properties
BT2 Physical Properties
RT Fresnel Coefficient
RT Optical Dispersion
RT Refraction
RT Refractivity
RT Wave Propagation

REFRACTIVITY
DA September 11, 1975
BT1 Optical Properties
BT2 Physical Properties
RT Refraction
RT Refractive Index
RT Visible Radiation

REFRACTORIES [01]
DA December 1, 1974
RT Ablation
RT Asbestos
RT Ceramics
RT Cermets
RT Graphite
RT Heat Resistant Materials
RT Heat Resisting Alloys
RT Refractory Metals

REFRACTORY METAL COMPOUNDS
DA November 9, 1984
* NT1 Hafnium Compounds
* NT1 Iridium Compounds
* NT1 Molybdenum Compounds
* NT1 Niobium Compounds
* NT1 Osmium Compounds
* NT1 Rhenium Compounds
* NT1 Rhodium Compounds
* NT1 Ruthenium Compounds
* NT1 Tantalum Compounds
* NT1 Technetium Compounds
* NT1 Tungsten Compounds

REFRACTORY METALS
DA June 2, 1977
BT1 Alloys
BT1 Metals
BT2 Elements
RT Chromium
RT Cobalt
RT Hafnium
RT Molybdenum
RT Nickel
RT Niobium
RT Refractories
RT Rhenium
RT Titanium
RT Tungsten
DEF Usually alloys of high-melting point, hard-to-work metals, but can also refer to certain unalloyed elements.

REFRIGERANTS [01]
DA November 9, 1977
BT1 Working Fluids

BT2 Fluids
RT Ammonia
RT Chlorofluorocarbons
RT Cryogenic Fluids
RT Freons
RT Halogenated Aliphatic Hydrocarbons
RT Hydrocarbons
RT Refrigeration

REFRIGERATING MACHINERY [01]
DA November 11, 1975
BT1 Machinery
BT2 Equipment
RT Absorption Refrigeration Cycle
RT Air Conditioners
RT Air Conditioning
RT Coefficient of Performance
RT Cooling Systems
RT Refrigeration
RT Refrigerators
RT Vapor Compression Refrigeration Cycle
DEF Machinery for cooling a space to a temperature below that of the surrounding environment.

REFRIGERATION [01]
DA December 1, 1974
BT1 Cooling
NT1 Geothermal Refrigeration
NT1 Helium Dilution Refrigeration
NT1 Solar Refrigeration
RT Absorption Refrigeration Cycle
RT Cold Recovery
RT Heat Pumps
RT Refrigerants
RT Refrigerating Machinery
RT Refrigerators
RT Vapor Compression Refrigeration Cycle

REFRIGERATORS [01]
DA October 1, 1975
NT1 Helium Dilution Refrigerators
NT1 Magnetic Refrigerators
NT1 Solar Refrigerators
NT1 Thermoelectric Refrigerators
RT Absorption Refrigeration Cycle
RT Coefficient of Performance
RT Cooling Systems
RT Cryostats
RT Electric Appliances
RT Freezers
RT Gas Appliances
RT Helium Dilution Refrigeration
RT Refrigerating Machinery
RT Refrigeration
RT Vapor Compression Refrigeration Cycle
DEF Insulated containments cooled by refrigerating machinery.

Refueling Water Systems
DA January 30, 1975
USE Auxiliary Water Systems

Refuse
DA December 1, 1974
USE Solid Wastes

REFUSE DERIVED FUELS [01]
DA November 1, 1976
UF *RDF*
BT1 Fuels
RT Industrial Wastes
RT Municipal Wastes
RT Refuse-Fueled Power Plants
RT Resource Recovery Facilities
RT Solid Wastes
RT Synthetic Fuels
DEF Fuels prepared from solid municipal or industrial wastes by removing all non-combustible materials, shredding to a desired size, and possibly pelleting or briquetting.

REFUSE-FUELED BOILERS [01]
DA May 9, 1979
UF *Waste-Fueled Boilers*
BT1 Boilers
RT Refuse-Fueled Power Plants

REFUSE-FUELED POWER PLANTS [01]
DA March 27, 1979
UF *Waste-Fueled Power Plants*
BT1 Thermal Power Plants
BT2 Power Plants
RT Cogeneration
RT Dual-Purpose Power Plants
RT Power Generation
RT Refuse Derived Fuels
RT Refuse-Fueled Boilers
RT Steam Generation

Regenerating Liver
DA December 1, 1974
USE Biological Regeneration

REGENERATION [01]
DA January 24, 1975
SF *Reactivation*
RT Heat Storage
RT Particle Production
RT Solar Heat Engines
RT Stirling Engines
RT Waste Processing

Regeneration (Biological)
DA December 1, 1974
USE Biological Regeneration

REGENERATIVE BRAKING
DA March 11, 1976
RT Brakes
RT Electric-Powered Vehicles

REGENERATIVE FUEL CELLS [01]
DA January 24, 1975
BT1 Fuel Cells
BT2 Direct Energy Converters
BT2 Electrochemical Cells
NT1 Redox Fuel Cells

REGENERATORS [01]
DA January 24, 1975
NT1 Solar Regenerators
RT Energy Storage Systems
RT Heat Storage
RT Solar Heat Engines
RT Stirling Engines

REGGE CALCULUS [01]
DA December 1, 1974
RT General Relativity Theory
RT Mathematics

REGGE CUTS [01]
DA December 1, 1974
RT Regge Poles

REGGE POLES [01]
DA December 1, 1974
RT ABFST Equation
RT Conspiracy Relations
RT Exchange Degeneracy
RT Linear Absorption Models
RT Lorentz Poles
RT Pomeranchuk Particles
RT Pomeranchuk Poles
RT Quantum Field Theory
RT Regge Cuts
RT Regge Trajectories
RT Scattering Amplitudes
RT Van Hove Model

REGGE TRAJECTORIES [01]
DA December 1, 1974
RT Regge Poles

Region I
DA July 6, 1978
USE USA

Region II
DA July 6, 1978
USE USA

Region III
DA July 6, 1978
USE USA

Region IV
DA July 6, 1978
USE USA

Region IX
DA July 6, 1978
USE USA

Region V
DA July 6, 1978
USE USA

Region VI
DA July 6, 1978
USE USA

Region VII
DA July 6, 1978
USE USA

Region VIII
DA July 6, 1978
USE USA

Region X
DA July 6, 1978
USE USA

REGIONAL ANALYSIS [01]
DA May 6, 1975
RT Ecology
RT Economic Analysis
RT Economics
RT Environment
RT Fallout
RT Geomorphology
RT Human Populations
RT Input-Output Analysis
RT Regional Cooperation
RT Sociology
DEF Evaluation of the characteristics of a region and their economic, ecological, or social implications.

REGIONAL COOPERATION [01]
DA April 6, 1978
BT1 Cooperation
RT Decision Making
RT Energy Policy
RT Management
RT Planning
RT Regional Analysis

Regional Electric Reliability Councils
DA September 27, 1979
USE Electric Reliability Councils

Regolith
DA February 20, 1976
SEE Overburden

REGRESSION ANALYSIS [01]
DA May 9, 1979
BT1 Statistics
BT2 Mathematics
RT Correlations
RT Economic Analysis
RT Forecasting

REGULATING RODS [01]
DA December 1, 1974
UF *Fine Control Rods*
BT1 Control Elements
BT2 Reactor Components
RT Neutron Absorbers

REGULATIONS [01]
DA December 1, 1974
NT1 International Regulations
NT2 OECD MCMSDRW
NT1 Licensing Regulations
NT1 Packaging Rules
NT1 Pollution Regulations
NT2 Contamination Regulations
NT3 Maximum Acceptable Contamination
NT2 Prevention of Significant Deterioration
NT1 Pricing Regulations
NT1 Safeguard Regulations
NT1 Transport Regulations

RT Administrative Procedures
RT AFUDC
RT Agreements
RT Amendments
RT Building Codes
RT Compliance
RT Consumer Protection
RT Deregulation
RT Enforcement
RT Executive Orders
RT Horizontal Divestiture
RT Implementation
RT ISO
RT Land Leasing
RT Laws
RT Legal Aspects
RT Legal Incentives
RT Legislation
RT Legislative Text
RT Licensing
RT Local Government
RT National Government
RT Notice of Probable Violation
RT Permit Applications
RT Public Policy
RT Radiation Protection
RT Recommendations
RT Regulatory Guides
RT Reporting Requirements
RT Resource Recovery Acts
RT Safety Standards
RT SOLAS Convention
RT State Government
RT US FERC
RT US Public Utility Regulatory Policies Act
RT Vertical Divestiture
RT Violations
RT Zoning

Regulators (Voltage)
DA December 1, 1974
USE Voltage Regulators

REGULATORY GUIDES [01]
(Should be used to index all pieces of literature which are regulatory guides.)
DA December 1, 1974
BT1 Document Types
RT Legal Aspects
RT Recommendations
RT Regulations
RT US AEC

REICH-MOORE FORMULA [01]
DA December 1, 1974
RT Nuclear Reactions
RT Resonance

REID POTENTIAL [01]
DA December 1, 1974
BT1 Nucleon-Nucleon Potential
BT2 Potentials
RT Nucleon-Nucleon Interactions

Reimbursement
DA March 23, 1983
USE Cost Recovery

Reindeer
DA December 1, 1974
USE Deer

REINFORCED CONCRETE [01]
DA December 1, 1974
BT1 Composite Materials
BT2 Materials
BT1 Concretes
BT2 Building Materials
BT3 Materials
BT1 Reinforced Materials
BT2 Materials
RT Concrete Stringers

REINFORCED MATERIALS [01]
DA December 1, 1974
UF *Materials (Reinforced)*
BT1 Materials
NT1 Reinforced Concrete
NT1 Reinforced Plastics
RT Building Materials
RT Composite Materials

REINFORCED PLASTICS [01]
DA December 1, 1974
BT1 Plastics
BT2 Petrochemicals
BT3 Petroleum Products
BT2 Synthetic Materials
BT3 Materials
BT1 Reinforced Materials
BT2 Materials

REINJECTION
DA March 8, 1977
RT Injection Wells
RT Liquid Wastes
RT Underground Disposal
RT Waste Disposal
RT Waste Water

REINLUFT PROCESS
DA February 20, 1975
UF *Mining Research Method*
BT1 Desulfurization
BT2 Chemical Reactions
RT Waste Processing
DEF Reduction of emission of oxides of S from coal by adsorption of SO_2 on activated char at 300°F, followed by cooling of flue gas to 220°F where SO_2 is oxidized to SO_3 which is then adsorbed on char; SO_3 combines with adsorbed H_2O forming H_2SO_4.

Relative Biological Effectiveness
DA December 1, 1974
USE RBE

RELATIVISTIC BEAM INJECTION [01]
DA December 1, 1974
BT1 Beam Injection

RELATIVISTIC PLASMA [01]
DA December 1, 1974
BT1 Plasma

RELATIVISTIC RANGE [01]
DA December 1, 1974
BT1 Energy Range
RT Relativity Theory

RELATIVITY THEORY [01]
DA December 1, 1974
UF *Special Relativity Theory*
BT1 General Relativity Theory
BT2 Field Theories
RT Cosmology
RT Dirac Equation
RT Galilei Transformations
RT Joos-Weinberg Equation
RT Light Cone
RT Lorentz Invariance
RT Lorentz Transformations
RT Massless Particles
RT Metrics
RT Negative Mass
RT Relativistic Range
RT Rest Mass
RT Space-Time

RELAXATION [01]
DA December 1, 1974
NT1 Muon Spin Relaxation
NT1 Spin-Lattice Relaxation
NT1 Spin-Spin Relaxation
NT1 Stress Relaxation
RT De-Excitation
RT Relaxation Losses
RT Relaxation Time

Relaxation (Stress)
DA December 1, 1974
USE Stress Relaxation

RELAXATION LOSSES [01]
DA December 1, 1974
BT1 Energy Losses
BT2 Losses
RT Dielectric Properties
RT Dipoles
RT Relaxation

RELAXATION TIME [01]
DA March 29, 1980
RT Photo-Induced Transient Spectroscopy
RT Relaxation
RT Time Dependence

RELAYS [01]
DA December 1, 1974
BT1 Electrical Equipment
BT2 Equipment
RT Equipment Protection Devices
RT Switches
RT Switching Circuits

Release (Fission Product)
DA November 24, 1980
USE Fission Product Release

RELEASE LIMITS [01]
DA June 16, 1975
RT Radiation Hazards
RT Radioactive Wastes
RT Stack Disposal

Releasing Factors
DA March 7, 1983
USE Liberins

Releasing Hormones
DA March 7, 1983
USE Liberins

RELIABILITY [01]
DA December 1, 1974
RT Accuracy
RT Amoeba Effect
RT Errors
RT Failure Mode Analysis
RT Failures
RT Fault Tolerant Computers
RT Hazards
RT Outages
RT Performance
RT Quality Assurance
RT Quality Control
RT Radiation Protection
RT Reactor Safety
RT Risk Assessment
RT Specifications
RT Systems Analysis
RT VAR Control Systems

Relic Radiation
DA May 23, 1984
USE Relict Radiation

RELICT RADIATION [01]
(Thermal microwave background radiation of the universe believed to date from the earliest moments of the universe.)
DA May 23, 1984
UF *Relic Radiation*
BT1 Microwave Radiation
BT2 Electromagnetic Radiation
BT3 Radiations
RT Background Radiation
RT Cosmic Radiation
RT Universe

RELIEF VALVES [01]
DA June 12, 1975
UF *Rupture Disks*
UF *Safety Valves*
BT1 Valves
BT2 Flow Regulators
BT3 Control Equipment
BT4 Equipment

Relieving (Stress)
DA December 1, 1974
USE Stress Relaxation

Rem
DA December 1, 1974
USE Dose Equivalents
AND Radiation Dose Units

REMEDIAL ACTION [01]
DA June 29, 1984
UF *Site Rehabilitation*
SF *Mine Site Rehabilitation*
RT Abandoned Sites
RT Contamination
RT Decommissioning
RT Decontamination
RT US Superfund
DEF Activities conducted to reduce potential exposure of people to hazardous materials and ionizing radiation and potential harm to the environment from hazardous materials contamination.

REMERSCHEN REACTOR [01]
DA September 15, 1976
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

REMOTE AREAS
DA June 14, 1978
UF *Isolated Locations*
RT Rural Areas

REMOTE CONTROL [01]
DA December 1, 1974
BT1 Control
RT Hydraulic Control Devices
RT Remote Handling
RT Servomechanisms

REMOTE HANDLING [01]
DA December 1, 1974
RT Automation
RT Clean Rooms
RT Contact Handling
RT Distance
RT Gloveboxes
RT Hot Cells
RT Hot Labs
RT Man-Machine Systems
RT Manipulators
RT Materials Handling
RT Materials Handling Equipment
RT Periscopes
RT Radiation Protection
RT Reactor Charging Machines
RT Reactor Fueling
RT Remote Control
RT Remote Handling Equipment
RT Sample Changers
RT Sample Holders
RT Work

REMOTE HANDLING EQUIPMENT [01]
DA December 1, 1974
BT1 Materials Handling Equipment
BT2 Equipment
NT1 Manipulators
RT Auxiliary Systems
RT Hot Cells
RT Laboratory Equipment
RT Remote Handling
RT Remote Viewing Equipment

REMOTE MULTIPLEXING SYSTEMS
DA January 23, 1978
RT Multiplexers
RT On-Line Control Systems
DEF Systems for the remote transmission of data and control signals in power plants or process equipment.

REMOTE SENSING [01]
DA January 23, 1975
RT Acoustic Radar
RT Aerial Monitoring
RT Aerial Prospecting
RT Aerial Surveying
RT Exploration
RT Geophysical Surveys
RT GOES Satellites
RT Ground Truth
RT Landsat Satellites
RT Multispectral Photography
RT Optical Radar
RT Seasat Satellites
RT Synthetic-Aperture Radar
RT Thermography

REMOTE VIEWING EQUIPMENT [01]
DA December 1, 1974
BT1 Equipment
RT Hot Cells
RT Laboratory Equipment
RT Optical Systems
RT Remote Handling Equipment
RT Television
RT Video Tapes

REMOVAL [01]
DA January 28, 1975
NT1 After-Heat Removal
NT1 Cuttings Removal
NT1 Reactor Poison Removal
NT1 Water Removal
RT Deashing
RT Fission Product Release
RT Separation Processes

Removal (After-Heat)
DA December 1, 1974
USE After-Heat Removal

Removal (Reactor Poison)
DA December 1, 1974
USE Reactor Poison Removal

RENAL CLEARANCE [01]
DA December 1, 1974
UF *Clearance (Renal)*
BT1 Excretion
BT2 Clearance
RT Glomeruli
RT Kidneys
RT Metabolism
RT Tubules

RENE 41
DA December 1, 1974
BT1 Alloy-Ni55Cr19Co11Mo10Ti3
BT2 Aluminium Alloys
BT3 Alloys
BT2 Boron Additions
BT3 Boron Alloys
BT4 Alloys
BT2 Chromium Alloys
BT3 Alloys
BT2 Cobalt Alloys
BT3 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Molybdenum Alloys
BT3 Alloys
BT2 Nickel Base Alloys
BT3 Nickel Alloys
BT4 Alloys
BT2 Titanium Alloys
BT3 Alloys
BT1 Aluminium Alloys
BT2 Alloys
BT1 Carbon Additions
BT2 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Cobalt Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Iron Alloys
BT2 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Nickel Base Alloys
BT2 Nickel Alloys
BT3 Alloys
BT1 Titanium Alloys
BT2 Alloys

RENE 80
DA December 20, 1978
BT1 Alloy-Ni60Cr14Co10Ti5Mo4W4Al3
BT2 Aluminium Alloys
BT3 Alloys
BT2 Boron Additions
BT3 Boron Alloys
BT4 Alloys
BT2 Chromium Alloys
BT3 Alloys
BT2 Cobalt Alloys
BT3 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Molybdenum Alloys
BT3 Alloys
BT2 Nickel Base Alloys
BT3 Nickel Alloys
BT4 Alloys
BT2 Titanium Alloys
BT3 Alloys
BT2 Tungsten Alloys
BT3 Alloys
BT2 Zirconium Additions
BT3 Zirconium Alloys
BT4 Alloys
BT1 Aluminium Alloys
BT2 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Cobalt Alloys
BT2 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Nickel Base Alloys
BT2 Nickel Alloys
BT3 Alloys
BT1 Titanium Alloys
BT2 Alloys
BT1 Tungsten Alloys
BT2 Alloys

RENE 95
DA February 19, 1976
BT1 Alloy-Ni58Cr14Co8Al4Mo4Nb4W4
BT2 Aluminium Alloys
BT3 Alloys
BT2 Chromium Alloys
BT3 Alloys
BT2 Cobalt Alloys
BT3 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Iron Additions
BT3 Iron Alloys
BT4 Alloys
BT2 Molybdenum Alloys
BT3 Alloys
BT2 Nickel Base Alloys
BT3 Nickel Alloys
BT4 Alloys
BT2 Niobium Alloys
BT3 Alloys
BT2 Titanium Alloys
BT3 Alloys
BT2 Tungsten Alloys
BT3 Alloys
BT1 Aluminium Alloys
BT2 Alloys
BT1 Carbon Additions
BT2 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Cobalt Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Molybdenum Alloys

BT2 Alloys
BT1 Nickel Base Alloys
BT2 Nickel Alloys
BT3 Alloys
BT1 Niobium Alloys
BT2 Alloys
BT1 Titanium Alloys
BT2 Alloys
BT1 Tungsten Alloys
BT2 Alloys
BT1 Zirconium Additions
BT2 Zirconium Alloys
BT3 Alloys

RENE-100
DA December 20, 1978
BT1 Aluminium Alloys
BT2 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Cobalt Alloys
BT2 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Nickel Base Alloys
BT2 Nickel Alloys
BT3 Alloys
BT1 Titanium Alloys
BT2 Alloys

RENEWABLE ENERGY SOURCES [01]
DA September 19, 1977
BT1 Energy Sources
NT1 Biomass
NT1 Geothermal Energy
NT1 Hydroelectric Power
NT1 Solar Energy
NT1 Tidal Power
NT1 Wave Power
NT1 Wind Power
RT Appropriate Technology
RT Meadow Foam
RT Plants
RT Rabbit Brush
RT Renewable Resources
RT Synthetic Fuels Corporation

RENEWABLE RESOURCES
DA December 11, 1978
BT1 Resources
RT Biomass
RT Materials
RT Organic Compounds
RT Photosynthesis
RT Renewable Energy Sources
DEF Organic compounds currently produced by photosynthesis or derived from products of photosynthesis that are utilized by man in the form of plant or animal products.

RENIN [01]
(Code numbers 3.4.99.1, 3.4.99.2, and 3.4.99.3.)
DA December 1, 1974
BT1 Nonspecific Peptidases
BT2 Peptide Hydrolases
BT3 Hydrolases
BT4 Enzymes
BT5 Proteins
BT6 Organic Compounds
RT Blood Pressure
RT Kidneys

RENOGRAPHY [01]
DA May 23, 1980
BT1 Biomedical Radiography
BT2 Diagnostic Techniques
BT2 Radiology
BT3 Nuclear Medicine
BT4 Medicine
RT Kidneys
RT Tracer Techniques

RENORMALIZATION [01]
DA December 1, 1974
NT1 Charge Renormalization
NT1 Mass Renormalization
RT Quantum Field Theory

RENSSELAER CRITICAL FACILITY [01]
DA December 1, 1974
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

REPAIR [01]
DA December 1, 1974
NT1 Biological Repair
NT2 DNA Repair
NT3 Excision Repair
NT2 Host-Cell Reactivation
NT2 Photoreactivation
RT Maintenance
RT Reactor Maintenance
RT Reactor Operation

Repair (Biological)
DA December 1, 1974
USE Biological Repair

Repair Pathways
DA December 20, 1978
USE Biological Pathways

REPEALS
DA May 18, 1981
RT Laws
RT Legal Aspects

REPLICA TECHNIQUES [01]
DA December 1, 1974
RT Ceramography
RT Replicas

REPLICAS [01]
DA December 1, 1974
RT Electron Microscopes
RT Electron Microscopy
RT Replica Techniques

REPLICONS
DA April 24, 1987
BT1 Genes
RT Cell Cycle
RT Cell Proliferation
DEF Chromosomal elements which serve as an initiation point for DNA synthesis during cell replication.

REPORTING REQUIREMENTS [01]
DA March 29, 1980
RT Administrative Procedures
RT Data Acquisition
RT Regulations

Repowering
DA October 7, 1980
SEE Solar Repowering

Representations (Irreducible)
DA December 1, 1974
USE Irreducible Representations

Representations (Nonunitary)
DA December 1, 1974
USE Nonunitary Representations

Repressuring
DA July 7, 1976
USE Pressurization

REPROCESSING [01]
DA December 1, 1974
UF *Fuel Reprocessing*
UF *RAHYD Process*
UF *Recycling (Fuel)*
BT1 Separation Processes
NT1 AIROX Process
NT1 AMEX Process
NT1 Arco Process
NT1 Butex Process
NT1 Carbox Process
NT1 Chloride Volatility Process
NT1 CIVEX Process
NT1 CSREX Process
NT1 Dapex Process
NT1 Darex Process
NT1 EUREX Process
NT1 Excer Process
NT1 Fluoride Volatility Process
NT1 Fluorox Process
NT1 Flurex Process
NT1 Hermex Process
NT1 Monex Process
NT1 Neptex Process
NT1 Niflex Process
NT1 PROMEX Process
NT1 Purex Process
NT2 Halex Process
NT2 Saltex Process
NT1 Pyrochemical Reprocessing
NT1 Redox Process
NT1 Sulfex Process
NT1 Thermox Process
NT1 Thorex Process
NT1 Tramex Process
NT1 Zircex Process
NT1 Zirflex Process
RT Aralex Process
RT Consolidated Fuel Reprocessing Program
RT Decladding
RT Denitration
RT Eurochemic
RT Fuel Cycle
RT Fuel Reprocessing Plants
RT Head End Processes
RT Iodox Process
RT Nuclear Materials Management
RT Process Control
RT Sol-Gel Process
RT Solvent Extraction
RT Spent Fuel Elements
RT Wackersdorf Reprocessing Plant
RT WAK
RT Zone Refining

REPRODUCTION [01]
DA December 1, 1974
UF *Parthenogenesis*
RT Adults
RT Animal Breeding
RT Embryos
RT Female Genitals
RT Fertility
RT Fertilization
RT Flowers
RT Gonads
RT Life Cycle
RT Male Genitals
RT Mating
RT Mutations
RT Nests
RT Oogenesis
RT Ovulation
RT Physiology
RT Plant Breeding
RT Pollen
RT Population Dynamics
RT Pregnancy
RT Progeny
RT Reproductive Disorders
RT Sex
RT Spermatogenesis
RT Spores
RT Vegetative Propagation
RT Viability
RT Zygotes

REPRODUCTIVE DISORDERS [01]
DA December 1, 1974
RT Abortion
RT Castration
RT Endocrine Diseases
RT Fertility
RT Menstruation Disorders
RT Pregnancy
RT Reproduction
RT Sterility
RT Urogenital System Diseases

REPTILES [01]
DA December 1, 1974
BT1 Vertebrates
BT2 Animals
NT1 Alligators
NT1 Lizards
NT1 Snakes
NT1 Turtles

Republic of China
DA November 9, 1977
USE Taiwan

→**REPUBLIC OF GEORGIA [01]**
(Prior to April 1993, this was indexed by USSR.)
DA April 8, 1993
UF *Georgia (Republic of)*
BT1 Eastern Europe
BT2 Europe

REPUBLIC OF KOREA [01]
DA December 1, 1974
UF *Korea (South)*
UF *South Korea*
BT1 Asia
BT1 Developing Countries

Republic of Zaire
DA December 1, 1974
USE Zaire Republic

RESCATTERING [01]
DA December 1, 1974
BT1 Scattering
RT Nuclear Reaction Kinetics
RT Nuclear Reactions
RT Strong Interactions

RESCUE OPERATIONS
DA September 11, 1978
NT1 Mine Rescue

RESEARCH AND TEST REACTORS [01]
DA December 1, 1974
BT1 Reactors
* **NT1** Argonaut Type Reactors
* **NT1** Experimental Reactors
NT1 Kalpakkam PFR Reactor
NT1 Kamini Reactor
NT1 MAPLE Reactor
NT1 MAPLE Type Reactors
NT1 Maria Reactor
NT1 Nuclear Furnace Reactor
NT1 Purnima-3 Reactor
NT1 RA-5 Reactor
* **NT1** Research Reactors
NT1 Super Kukla Reactor
* **NT1** Test Reactors
* **NT1** Training Reactors
* **NT1** TRIGA Type Reactors
NT1 Yayoi Reactor

RESEARCH PROGRAMS [01]
(To be used jointly with descriptor(s) for subject field and/or organization concerned.)
DA December 1, 1974
NT1 Coordinated Research Programs
NT2 Consolidated Fuel Reprocessing Program
NT2 IFIP
RT Demonstration Programs
RT Energy Research Advisory Board
RT Experiment Planning
RT Grants
RT Historical Aspects
RT Information Needs
RT Laboratories
RT Planning
RT Program Management
RT Recommendations
RT Reviews
RT US NAPAP
RT US National Program Plans

RESEARCH REACTORS [01]
DA December 1, 1974
UF *La Reina Reactor*
BT1 Research and Test Reactors
BT2 Reactors
NT1 AARR Reactor
NT1 ACPR Reactor
NT1 AEG-PR-10 Reactor
NT1 Aerojet-General Nucleonics Reactors
NT1 AFRRI Reactor
NT1 AFSR Reactor
NT1 Agata Reactor
NT1 Al-L-77 Reactor
NT1 ALRR Reactor
NT1 APRF Reactor
NT1 Apsara Reactor
NT1 ARBI Reactor
NT1 Argonaut Reactor
NT1 ARGOS Reactor
NT1 ARMF-1 Reactor
NT1 ASTRA Reactor
NT1 Athene Reactor
NT1 ATPR Reactor
NT1 ATSR Reactor
NT1 Avogadro RS-1 Reactor
NT1 BARN Reactor
NT1 BEPO Reactor
NT1 BER-2 Reactor
NT1 BGRR Reactor
NT1 BIGR Reactor
NT1 BIR Reactor
NT1 BNL Reactor
NT1 BR-02 Reactor
NT1 BR-1 Reactor
NT1 BRR Reactor
NT1 BSR-1 Reactor
NT1 BSR-2 Reactor
NT1 BYU L-77 Reactor
NT1 Cabri Reactor
NT1 Cesar Reactor
NT1 Cesnef Reactor
NT1 Cirus Reactor
NT1 Clementine Reactor
NT1 Consort-2 Reactor
NT1 Coral-1 Reactor
NT1 CP-2 Reactor
NT1 CP-3 Reactor
NT1 CP-3M Reactor
NT1 CP-5 Reactor
NT1 CP-6 Reactor
NT1 Crocus Reactor
NT1 Democritus Reactor
NT1 Dhruva Reactor
NT1 Dido Reactor
NT1 Diorit Reactor
NT1 DMTR Reactor
NT1 Dow TRIGA-Mk-1 Reactor
NT1 DR-1 Reactor
NT1 DR-2 Reactor
NT1 DR-3 Reactor
NT1 EBOR Reactor
NT1 EBR-1 Reactor
NT1 ECO Reactor
NT1 EL-1 Reactor
NT1 EL-2 Reactor
NT1 EL-3 Reactor
NT1 EOCR Reactor
NT1 EOLE Reactor
NT1 ETR Reactor
NT1 ETRC Reactor
NT1 ETRR-1 Reactor
NT1 EWA Reactor
NT1 F-1 Reactor
NT1 FBRF Reactor
NT1 FFTF Reactor
NT1 FIR-1 Reactor
NT1 FMRB Reactor
NT1 FNR Reactor
NT1 FR-0 Reactor
NT1 FR-2 Reactor
NT1 FRF Reactor
NT1 FRG-1 Reactor
NT1 FRG-2 Reactor
NT1 FRJ-1 Reactor
NT1 FRJ-2 Reactor
NT1 FRM Reactor
NT1 FRN Reactor
NT1 Fursov Pile
NT1 Gleep Reactor
NT1 Grenoble Reactor
NT1 GTRR Reactor
NT1 Gulf TRIGA-Mk-3 Reactor
NT1 Harmonie Reactor
NT1 Hector Reactor
NT1 Herald Reactor
NT1 Hero Reactor
NT1 HEW-305 Reactor
NT1 HFBR Reactor
NT1 HFIR Reactor
NT1 HFR Reactor
NT1 HIFAR Reactor
NT1 HOR Reactor
NT1 Horace Reactor
NT1 HPRR Reactor
NT1 HRE-2 Reactor
NT1 HTLTR Reactor
NT1 HTR Reactor
NT1 IAN-R1 Reactor
NT1 IBR-2 Reactor
NT1 IBR-30 Reactor
NT1 IEA-ZPR Reactor
NT1 IEAR-1 Reactor
NT1 IRL Reactor
NT1 IRR-1 Reactor
NT1 IRR-2 Reactor
NT1 IRT Reactor
NT1 IRT-2000 Djakarta Reactor
NT1 IRT-2000 Moscow Reactor
NT1 IRT-C Reactor
NT1 IRT-F Reactor
NT1 IRT-M Reactor
NT1 IRT-Sofia Reactor
NT1 Isis Reactor
NT1 Ispra-1 Reactor
NT1 IVV-7 Reactor
NT1 JANUS Reactor
NT1 Jason Reactor
NT1 JEEP-2 Reactor
NT1 JEN Reactor
NT1 JEN-1 Reactor
NT1 JEN-2 Reactor
NT1 JMTR Reactor
NT1 JRR-1 Reactor
NT1 JRR-2 Reactor
NT1 JRR-3 Reactor
NT1 JRR-3M Reactor
NT1 JRR-4 Reactor
NT1 Juno Reactor
NT1 King Reactor
NT1 KMR Reactor
NT1 KSTR Reactor
NT1 KUHFR Reactor
NT1 KUR Reactor
NT1 La Reina Rech-1 Reactor
NT1 LFR Reactor
NT1 Lido Reactor
NT1 Lo Aguirre Rech-2 Reactor
NT1 LPR Reactor
NT1 LPTR Reactor
NT1 LTIR Reactor
NT1 Marius Reactor
NT1 Maryla Reactor
NT1 Melusine-1 Reactor
NT1 Merlin Reactor
NT1 Minerve Reactor
NT1 MITR Reactor
NT1 MNR Reactor
NT1 MNS Reactor
NT1 MOATA Reactor
NT1 MR Reactor
NT1 MRR Reactor
NT1 MURR Reactor
NT1 NBSR Reactor
NT1 NCSCR-1 Reactor
NT1 Nestor Reactor
NT1 Nora Reactor
NT1 NRU Reactor
NT1 NRX Reactor
NT1 NSRR Reactor
NT1 NTR Reactor
NT1 Orphee Reactor
NT1 Osiris Reactor
NT1 OWR Reactor
NT1 PARR Reactor
NT1 PAT Reactor
NT1 PBR Reactor
NT1 PCTR Reactor
NT1 Phebus Reactor
NT1 PRNC-L-77 Reactor
NT1 Proteus Reactor
NT1 PRTR Reactor
NT1 PSTR Reactor
NT1 PTR Reactor
NT1 Pulstar-Buffalo Reactor
NT1 Pulstar-Raleigh Reactor
NT1 R-1 Reactor
NT1 R-2 Reactor
NT1 R-A Reactor
NT1 R2-0 Reactor
NT1 RA-0 Reactor
NT1 RA-2 Reactor
NT1 RA-3 Reactor
NT1 RAKE-2 Reactor
NT1 RANA Reactor
NT1 RB-1 Reactor
NT1 RG-1M Reactor
NT1 RIEN-1 Reactor
NT1 RINSC Reactor
NT1 RITMO Reactor
NT1 Romashka Reactor
NT1 RP-10 Reactor

NT1 RPT Reactor
NT1 RTS-1 Reactor
NT1 RV-1 Reactor
NT1 SBR-1 Reactor
NT1 SBR-2 Reactor
NT1 SBR-5 Reactor
NT1 SCA Reactor
NT1 Silene Reactor
* NT1 Slowpoke Type Reactors
NT1 SNEAK Reactor
NT1 SORA Reactor
NT1 SPERT-1 Reactor
NT1 SPR-2 Reactor
NT1 SPR-3 Reactor
NT1 SPR-4 Reactor
NT1 SR-1 Reactor
NT1 SR-OA Reactor
NT1 SRRC-UTR-100 Reactor
NT1 STF Reactor
NT1 SUPO Reactor
NT1 Swierk R-2 Reactor
NT1 Taiwan Research Reactor
NT1 Tapiro Reactor
NT1 TCA Reactor
NT1 Thetis Reactor
NT1 THOR Reactor
NT1 TIBR Reactor
NT1 Tory-2A Reactor
NT1 Toshiba Reactor
NT1 TR-1 Reactor
NT1 TR-2 Reactor
NT1 TRIGA-1-Michigan Reactor
NT1 Triton Reactor
NT1 TRR-1 Reactor
NT1 TSR-2 Reactor
NT1 UFTR Reactor
NT1 UKNR Reactor
NT1 UMNE-1 Reactor
NT1 UMRR Reactor
NT1 UTR-10-Kinki Reactor
NT1 UTRR Reactor
NT1 UVAR Reactor
NT1 VERA Reactor
NT1 VIPER Reactor
NT1 VPI-UTR-10 Reactor
NT1 WRRR Reactor
NT1 WSUR Reactor
NT1 WTR Reactor
NT1 WWR-2 Reactor
NT1 WWR-K-Alma-Ata Reactor
NT1 WWR-M-Kiev Reactor
NT1 WWR-M-Leningrad Reactor
NT1 WWR-S-Baghdad Reactor
NT1 WWR-S-Bucharest Reactor
NT1 WWR-S-Cairo Reactor
NT1 WWR-S-Moscow Reactor
NT1 WWR-S-Prague Reactor
NT1 WWR-S-Tashkent Reactor
NT1 WWR-SM Rossendorf Reactor
NT1 WWR-Z Reactor
NT1 X-10 Reactor
NT1 ZEBRA Reactor
NT1 ZEEP Reactor
NT1 Zenith Reactor
NT1 Zerlina Reactor
NT1 ZLFR Reactor
NT1 ZPPR Reactor

RESELLERS [01]
DA September 28, 1979
UF *Wholesale Buyers*
UF *Wholesale Sellers*
UF *Wholesalers*
BT1 Marketers
RT Commercial Sector
RT Competition
RT Economics
RT Industry
RT Market

RESERPINE [01]
DA December 1, 1974
BT1 Alkaloids
BT2 Organic Compounds
BT1 Antihypertensive Agents
BT2 Cardiovascular Agents
BT3 Drugs
BT1 Indoles
BT2 Azaarenes
BT3 Aromatics
BT4 Organic Compounds
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
BT2 Pyrroles
BT3 Azoles
BT4 Heterocyclic Compounds
BT5 Organic Compounds
BT4 Organic Nitrogen Compounds
BT5 Organic Compounds
BT1 Sympatholytics
BT2 Autonomic Nervous System Agents
BT3 Drugs

Reserve Capacity
DA June 2, 1977
USE Capacity

RESERVES [01]
DA January 27, 1975
UF *Ore Reserves*
UF+ *Fossil Fuel Reserves*
BT1 Resources
NT1 Coal Reserves
NT1 Strategic Petroleum Reserve
NT1 Thorium Reserves
NT1 Uranium Reserves
NT1 US Naval Oil Shale Reserves
NT1 US Naval Petroleum Reserves
RT Exploitation
RT Natural Gas Deposits
RT Oil Sand Deposits
RT Oil Shale Deposits
RT Petroleum Deposits
RT Public Lands
RT Resource Assessment
RT Stockpiles
DEF Usually is applied to available, recoverable, natural resources that can be mined or otherwise made available for consumption.

RESERVOIR ENGINEERING [01]
DA March 4, 1977
BT1 Engineering
RT Reservoir Rock
RT Water Reservoirs

RESERVOIR FLUIDS [01]
DA March 27, 1979
BT1 Fluids
RT Drawdown
RT Interstitial Water
RT Natural Gas Fields
RT Oil Fields

Reservoir Gas Saturation
DA June 2, 1977
USE Gas Saturation

RESERVOIR PRESSURE [01]
DA September 11, 1978
UF *Datum Pressure*
UF *Formation Pressure*
UF *Initial Reservoir Pressure*
UF *Sand Pressure*
UF *Shutin Pressure*
UF *Static Reservoir Pressure*
NT1 Well Pressure
RT Aquifers
RT Geopressured Systems

RESERVOIR ROCK [01]
DA March 11, 1976
RT Carbonate Rocks
RT Fractured Reservoirs
RT Gas Saturation
RT Heterogeneous Effects
RT Interstitial Water
RT Natural Gas Fields
RT Oil Fields
RT Oil Saturation
RT Plugging
RT Plugging Agents
RT Reservoir Engineering
RT Rocks
RT Sand
RT Source Rocks
RT Water Influx
RT Water Saturation
DEF Porous and permeable rock containing producible oil and/or gas or geothermal fluid in its pore spaces.

RESERVOIR TEMPERATURE [01]
DA December 11, 1978
NT1 Well Temperature
RT Temperature Measurement

Reservoirs (Water)
DA December 1, 1974
USE Water Reservoirs

Resid
DA January 23, 1976
USE Petroleum Residues

RESIDENCE HALF-TIME [01]
DA December 23, 1982
RT Earth Atmosphere
RT Fallout
RT Half-Life
RT Radioactivity

Residences
DA March 27, 1975
USE Houses

RESIDENTIAL BUILDINGS [01]
DA April 6, 1978
UF *Dormitories*
BT1 Buildings
NT1 Apartment Buildings
NT1 Houses
NT1 Mobile Homes
RT Hotels
RT Households
RT Toilets

RESIDENTIAL SECTOR [01]
DA April 19, 1976
SF *End Use Sector*
RT Apartment Buildings
RT Communities
RT Households
RT Human Populations
RT Mobile Homes
RT Rural Areas
RT Sectoral Analysis
RT Urban Areas

Residual Fuel Oil
DA January 23, 1976
USE Residual Fuels

RESIDUAL FUELS [01]
DA January 23, 1976
UF *Bunker Oils*
UF *Heavy Fuels*
UF *Nos. 4, 5, and 6 Fuel Oils*
UF *Nos. 5 and 6 Burner Oils*
UF *Residual Fuel Oil*
UF *Residuums*
BT1 Fuel Oils
BT2 Liquid Fuels
BT3 Fuels
BT2 Petroleum Products
RT Petroleum Residues
RT ROSE Process

Residual Heat Removal
DA January 30, 1975
USE RHR Systems

RESIDUAL INTERACTIONS [01]
DA December 1, 1974
BT1 Interactions

Residual Oils
DA October 20, 1977
USE Petroleum Residues

RESIDUAL PETROLEUM [01]
DA July 7, 1976
BT1 Petroleum
BT2 Fossil Fuels
BT3 Energy Sources

BT3 Fuels
DEF The amount of liquid petroleum remaining in the formation at the end of a specified production process.

RESIDUAL POWER [01]
DA September 11, 1975
BT1 Nuclear Power
BT2 Power
RT After-Heat
RT Reactor Shutdown
DEF Radiation power released by decaying fission products in irradiated nuclear fuel after irradiation has ceased, e.g., after reactor shutdown.

RESIDUAL STRESSES [01]
DA December 1, 1974
BT1 Stresses

RESIDUES [01]
DA December 1, 1974
NT1 Ashes
NT2 Fly Ash
NT1 Gangue
NT1 Smokes
NT2 Tobacco Smokes
RT Wastes

Residues (Mathematical)
DA June 16, 1975
USE Integral Calculus
AND Singularity

Residues (Radioactive)
DA December 1, 1974
USE Radioactive Wastes

Residuums
DA January 23, 1976
USE Residual Fuels

RESINS [01]
DA December 1, 1974
BT1 Organic Polymers
BT2 Organic Compounds
BT2 Polymers
BT1 Petrochemicals
BT2 Petroleum Products
RT Araldite
RT Bakelite
RT Desiccants
RT Epoxides
RT Ion Exchange Chromatography
RT Ion Exchange Materials
RT Matrix Materials

Resist
DA March 29, 1980
SEE Masking

Resistal
DA December 1, 1974
USE Copper Base Alloys

RESISTANCE HEATING
DA April 14, 1977
BT1 Electric Heating
BT2 Heating
NT1 Joule Heating
NT2 Current-Drive Heating

RESISTANCE WELDING [01]
DA December 1, 1974
BT1 Welding
BT2 Joining
BT3 Fabrication
NT1 Flash Welding
NT1 Projection Welding

Resistivity (Electric)
DA December 1, 1974
USE Electric Conductivity

RESISTIVITY LOGGING
DA June 7, 1976
UF *Focussed Logging*
UF *Guard Logging*
UF *Laterologging*
BT1 Electric Logging
BT2 Well Logging
RT Electrical Surveys
RT Induction Logging
RT SP Logging

RESISTIVITY SURVEYS
DA March 4, 1980
BT1 Electrical Surveys
BT2 Geophysical Surveys
BT3 Surveys
DEF An electrical exploration method in which current is introduced in the ground by two contact electrodes and potential differences are measured between two or more electrodes.

RESISTORS [01]
DA December 1, 1974
BT1 Electrical Equipment
BT2 Equipment
NT1 Photoresistors
NT1 Rheostats
NT1 Semiconductor Resistors
RT Conductor Devices
RT Potentiometers
RT Thermistors
RT Voltage Drop

RESOLUTION [01]
DA December 1, 1974
NT1 Energy Resolution
NT1 Linear Momentum Resolution
NT1 Mass Resolution
NT1 Spatial Resolution
NT1 Time Resolution
RT Accuracy
RT Comparative Evaluations
RT Electron Microscopy
RT Errors
RT Particle Discrimination
RT Performance
RT Sensitivity
RT Signal-to-Noise Ratio

RESONANCE [01]
DA December 1, 1974
UF+ *Analog Resonances*
NT1 Cyclotron Resonance
NT2 Azbel-Kaner Resonance
NT2 Electron Cyclotron-Resonance
NT2 Ion Cyclotron-Resonance
NT1 Electric Resonance
NT2 Paraelectric Resonance
NT1 Fermi Resonance
NT1 Giant Resonance
NT1 Helicon Resonance
NT1 Hybrid Resonance
NT1 Intermediate Resonance
NT1 Level Mixing Resonance
NT1 Magnetic Resonance
NT2 ELDOR
NT2 Electron Spin Resonance
NT3 Acoustic ESR
NT2 ENDOR
NT2 Ferrimagnetic Resonance
NT2 Ferromagnetic Resonance
NT2 Nuclear Magnetic Resonance
NT3 Acoustic NMR
NT1 Nuclear Quadrupole Resonance
NT1 Tonks-Dattner Resonance
RT Bump-in-Tail Instability
RT Giant Resonance Model
RT Harmonics
RT Mode Conversion
RT Multilevel Analysis
RT Reich-Moore Formula
RT Resonance Fluorescence
RT Resonance Integrals
RT Resonance Particles
RT Resonance Scattering
RT Resonators
RT Synchronization
RT Tuning

RESONANCE ABSORPTION [01]
DA December 1, 1974
BT1 Absorption
BT2 Sorption

Resonance Cavities
DA December 1, 1974
USE Cavity Resonators

RESONANCE ESCAPE PROBABILITY [01]
DA December 1, 1974
RT Dancoff Correction
RT Multiplication Factors

RESONANCE FLUORESCENCE [01]
DA August 12, 1980
BT1 Fluorescence
BT2 Luminescence
RT Moessbauer Effect
RT Resonance
RT Resonance Scattering

RESONANCE INTEGRALS [01]
DA December 1, 1974
BT1 Integrals
RT Resonance

RESONANCE IONIZATION MASS SPECTROSCOPY [01]
DA April 24, 1985
SF *RIMS*
BT1 Mass Spectroscopy
BT2 Spectroscopy

RESONANCE NEUTRONS [01]
DA December 1, 1974
BT1 Neutrons
BT2 Nucleons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
RT Fission Ratio
RT Intermediate Neutrons
RT Intermediate Reactors
RT Stein Theory

RESONANCE PARTICLES [01]
DA December 1, 1974
BT1 Hadrons
BT2 Elementary Particles
NT1 Exotic Resonances
RT Dalitz Plot
RT Deck Effect
RT Prism Plot
RT Resonance

RESONANCE SCATTERING [01]
DA December 1, 1974
BT1 Inelastic Scattering
BT2 Scattering
RT Acoustic ESR
RT Acoustic NMR
RT Deep Inelastic Scattering
RT Resonance
RT Resonance Fluorescence

Resonance States
DA December 1, 1974
USE Energy Levels

Resonance Test Reactor Savannah
DA December 1, 1974
USE RTR Reactor

RESONATING-GROUP METHOD [01]
DA December 1, 1974
BT1 Variational Methods
BT2 Calculation Methods
RT Nuclear Reaction Kinetics
RT Nucleon-Nucleon Potential
RT Scattering
RT Two-Body Problem

RESONATORS [01]
DA February 27, 1979
BT1 Electronic Equipment
BT2 Equipment
NT1 Cavity Resonators
NT2 Superconducting Cavity Resonators
RT Microwave Equipment
RT Oscillators
RT Pulse Techniques
RT Resonance
RT RF Systems

Resorcin
DA December 1, 1974
USE Resorcinol

RESORCINOL [01]
DA December 1, 1974
UF *1,3-Dihydroxybenzene*
UF *Dihydroxybenzene-meta*
UF *Resorcin*
BT1 Developers
BT1 Polyphenols
BT2 Phenols
BT3 Aromatics
BT4 Organic Compounds
BT3 Hydroxy Compounds
BT4 Organic Compounds

RESOURCE ASSESSMENT [01]
DA November 9, 1977
RT Energy Source Development
RT Probabilistic Estimation
RT Rangelands
RT Reserves
DEF Techniques, including surveys, computerized simulation, models, and testing, to determine resource potential or uses for resources.

RESOURCE CONSERVATION [01]
DA September 11, 1975
UF *Conservation (Resource)*
NT1 Soil Conservation
RT Energy Conservation
RT Interchangeability
RT Recycling
RT Resource Depletion
RT Resource Recovery Acts
RT Resources

RESOURCE DEPLETION [01]
DA July 23, 1977
RT Resource Conservation
RT Resources
RT Severance Tax
RT US Depletion Allowances

RESOURCE DEVELOPMENT [01]
DA December 11, 1978
RT Economic Development
RT Energy Source Development
RT Materials
RT Resources

RESOURCE MANAGEMENT [01]
DA June 21, 1985
BT1 Management
RT Energy Management
RT Energy Source Development
RT Mineral Resources
RT Property Management
RT Raw Materials
RT Resources

RESOURCE POTENTIAL [01]
(NOT for economic evaluation of a known deposit or resource.)
DA June 14, 1978
RT Energy Source Development
RT Exploration
RT Mineral Resources
RT Resources
DEF Potential of a given area for economic resource development.

→**RESOURCE RECOVERY ACTS [01]**
(Prior to February 1992 this was a valid descriptor.)
DA June 12, 1992
UF *US Resource Recovery Acts*
BT1 Laws
RT Energy Conservation
RT Regulations
RT Resource Conservation
RT Waste Disposal Acts

RESOURCE RECOVERY FACILITIES [01]
DA March 27, 1979
UF *Facilities (Resource Recovery)*
BT1 Energy Facilities
BT1 Waste Processing Plants
BT2 Industrial Plants
RT Energy Recovery
RT Materials Recovery
RT Refuse Derived Fuels

RESOURCES [01]
DA February 13, 1975
NT1 Cultural Resources
NT1 Geothermal Resources
NT1 Land Resources
NT1 Mineral Resources
NT2 Coal Deposits
NT3 Coal Seams
NT2 Natural Gas Deposits
NT3 Natural Gas Fields
NT4 Gas Condensate Fields
NT2 Oil Shale Deposits
NT3 US Naval Oil Shale Reserves
NT2 Petroleum Deposits
NT3 Gas Condensate Fields
NT3 Oil Fields
NT3 US Naval Petroleum Reserves
NT2 Uranium Deposits
NT3 Blizzard Deposit
NT3 Erzgebirge Deposit
NT3 Jabiluka Deposit
NT3 Koongarra Deposit
NT3 Nabarlek Deposit
NT3 Ranger Deposit
NT3 Ranstad Deposit
NT3 Roxby Downs Deposit
NT3 South Alligator Deposit
NT3 Yeelirrie Deposit
NT1 Nature Reserves
NT1 Renewable Resources
NT1 Reserves
NT2 Coal Reserves
NT2 Strategic Petroleum Reserve
NT2 Thorium Reserves
NT2 Uranium Reserves
NT2 US Naval Oil Shale Reserves
NT2 US Naval Petroleum Reserves
NT1 Water Resources
RT Raw Materials
RT Resource Conservation
RT Resource Depletion
RT Resource Development
RT Resource Management
RT Resource Potential

RESOX PROCESS
DA April 12, 1977
BT1 Desulfurization
BT2 Chemical Reactions
RT Materials Recovery
RT Sulfur
RT Waste Processing
DEF Proprietary process developed by Foster Wheeler using anthracite coal as catalyst and reducing agent to convert 90% of inlet SO_2 to elemental sulfur.

Respirable Dusts
DA June 24, 1977
USE Dusts

RESPIRATION [01]
DA December 1, 1974
UF *Breathing*
RT Air
RT Anoxia
RT Blood
RT Breath
RT Capillaries
RT Carboxyhemoglobin
RT Diaphragm
RT Hemoglobin
RT Inhalation
RT Krebs Cycle
RT Lungs
RT Metabolism
RT Methemoglobin
RT Physiology
RT Respirators
RT Respiratory System
RT Respiratory System Diseases

RESPIRATORS [01]
DA December 1, 1974
UF *Masks*
UF *Respiratory Equipment*
RT Aerosols
RT Air
RT Breath
RT Dusts
RT Face
RT Filters
RT Inhalation
RT Life Support Systems
RT Protective Clothing
RT Radiation Protection
RT Respiration
RT Respiratory System

Respiratory Equipment
DA December 1, 1974
USE Respirators

RESPIRATORY SYSTEM [01]
DA December 1, 1974
NT1 Bronchi
NT1 Gills
NT1 Larynx
NT1 Lungs
NT1 Nose
NT1 Pharynx
NT1 Trachea
RT Air
RT Breath
RT Chest
RT Inhalation
RT Lavage
RT Lung Clearance
RT Organs
RT Respiration
RT Respirators
RT Respiratory System Diseases

RESPIRATORY SYSTEM DISEASES [01]
DA December 1, 1974
UF+ *Bronchogenic Carcinoma*
BT1 Diseases
NT1 Asthma
NT1 Bronchitis
NT1 Emphysema
NT1 Pneumoconioses
NT2 Berylliosis
NT1 Pneumonia
NT2 Bronchopneumonia
RT Breath
RT Occupational Diseases
RT Respiration
RT Respiratory System

RESPIRATORY TRACT CELLS [01]
DA November 28, 1977
UF *Lung Cells*
BT1 Animal Cells
RT Bronchi

RESPONSE FUNCTIONS [01]
(Describing the response of a system to external action.)
DA December 1, 1974
BT1 Functions
RT Electronic Circuits
RT Mathematical Models
RT Measuring Instruments
RT Mechanical Structures
RT Parametric Analysis
RT Sensitivity Analysis
RT Structural Models

RESPONSE MATRIX METHOD [01]
DA January 22, 1975
BT1 Calculation Methods
BT1 Reactor Kinetics Equations
BT2 Equations
RT Criticality

RESPONSE MODIFYING FACTORS [01]
(For biological effects.)
DA December 1, 1974
UF *Protective Chemicals*
UF+ *Oxygen Effect (Radiobiology)*
RT Adrenalectomy
RT Biological Effects
RT Biological Recovery
RT Mitogens
RT Oxygen Enhancement Ratio
RT Radiation Effects
RT Radioprotective Substances

RT Radiosensitivity
RT Radiosensitizers

REST MASS [01]
DA December 1, 1974
BT1 Mass
RT Relativity Theory

RESTAURANTS
DA July 5, 1978
UF *Cafeterias*
UF *Dining Halls*
RT Commercial Buildings
RT Commercial Sector
RT Food
RT Food Industry
RT Small Businesses

Restoration
DA December 1, 1974
USE Biological Recovery

RESTRAINTS [01]
DA July 29, 1975
UF *Pipe Restraints*
NT1 Reactor Core Restraints
RT Damping
RT Fasteners
RT Pipe Fittings
RT Pipes
RT Reactor Cooling Systems
RT Shock Absorbers
RT Supports

Resuspension
DA May 7, 1977
USE Particle Resuspension

Retail Buyers
DA May 9, 1979
USE Retailers

RETAIL PRICES [01]
DA June 6, 1979
BT1 Prices
RT Consumer Price Index
RT Retailers
RT Wholesale Prices

Retail Sellers
DA May 9, 1979
USE Retailers

RETAILERS [01]
DA May 9, 1979
UF *Retail Buyers*
UF *Retail Sellers*
BT1 Commercial Sector
BT1 Marketers
NT1 Gasoline Service Stations
RT Competition
RT Economics
RT Industry
RT Market
RT Marketing
RT Prices
RT Retail Prices
RT Small Businesses
DEF Persons or organizations engaged in the sale of commodities or goods in small quantities to ultimate consumers.

RETENTION [01]
(In living organisms.)
DA December 1, 1974
RT Biological Hot Spots
RT Biological Localization
RT Body
RT Compartments
RT Deposition
RT Edema
RT Excretion
RT Hot Atom Chemistry
RT Maximum Permissible Body Burden
RT Organs
RT Radionuclide Kinetics
RT Retention Functions
RT Tissues
RT Uptake
RT Whole-Body Counting

RETENTION FUNCTIONS [01]
DA December 1, 1974
UF *Excretion Functions*
BT1 Functions
RT Compartments
RT Radionuclide Kinetics
RT Retention
RT Time Dependence

Reticular Cells
DA December 1, 1974
USE Reticuloendothelial System

RETICULOCYTES [01]
DA December 1, 1974
BT1 Erythrocytes
BT2 Blood Cells
BT3 Blood
BT4 Body Fluids
BT5 Biological Materials
BT6 Materials

RETICULOENDOTHELIAL SYSTEM [01]
DA December 1, 1974
UF *Kupffer Cells*
UF *Reticular Cells*
BT1 Animal Tissues
BT2 Tissues
BT3 Body
RT Bone Marrow
RT Connective Tissue
RT Immune System Diseases
RT Liver
RT Lymph Nodes
RT Lymphatic System
RT Macrophages
RT Phagocytosis
RT Spleen

RETINA [01]
DA December 1, 1974
BT1 Eyes
BT2 Face
BT3 Head
BT4 Body Areas
BT5 Body
BT2 Sense Organs
BT3 Organs
BT4 Body
RT Nervous System

RETINOIC ACID
DA May 24, 1982
BT1 Carboxylic Acid Esters
BT2 Esters
BT3 Organic Compounds
RT Vitamin A

Retinol
DA May 24, 1982
USE Vitamin A

Retorted Shales
DA July 18, 1979
USE Spent Shales

RETORTING [01]
DA January 31, 1975
BT1 Decomposition
BT2 Chemical Reactions
NT1 In-Situ Retorting
RT Coking
RT Destructive Distillation
RT Heating
RT Hydrotorting Process
RT Hytort Process
RT Lurgi-Ruhrgas Process
RT Modified In-Situ Processes
RT NTU Process
RT Oil Shales
RT Pyrolysis
RT Retorts
RT ROPE Process
RT Shell Pellet Heat Exchanger Retorting
RT T3 Process

RETORTS
DA April 7, 1975
BT1 Chemical Reactors
BT1 Distillation Equipment
BT2 Equipment
NT1 Pumpherston Retort
RT Retorting

RETREAT MINING
DA September 27, 1979
BT1 Underground Mining
BT2 Mining
RT Coal Mining

RETRIEVAL SYSTEMS
(For retrieval of information, see INFORMATION RETRIEVAL.)
DA August 7, 1979
RT Materials Handling
RT Radioactive Waste Management
RT Waste Retrieval

RETROFITTING [01]
DA November 11, 1975
RT Buildings
RT Construction
RT Licensing Regulations
RT Solar Repowering

REVEGETATION [01]
DA January 27, 1975
RT Deforestation
RT Erosion Control
RT Ground Cover
RT Land Reclamation
RT Plant Growth
RT Plants
RT Preferred Species
RT Productivity
RT Soil Conservation
DEF To provide a new vegetative cover for land previously stripped of vegetation.

REVERSE COMBUSTION
DA May 13, 1976
BT1 Combustion
BT2 Oxidation
BT3 Chemical Reactions
BT2 Thermochemical Processes
RT In-Situ Combustion

REVERSE-FIELD PINCH [01]
DA January 26, 1976
UF *TRX-1*
BT1 Pinch Effect
RT Magnetic Field Reversal
RT Magnetic Reconnection
RT Reversed-Field Mirrors
RT STX Devices
RT TPE-1RM15 Device
RT ZT-40 Devices
RT ZT-P Devices

Reverse Osmosis
DA December 1, 1974
USE Osmosis

→**REVERSED-FIELD MIRRORS [01]**
DA October 29, 1991
BT1 Magnetic Mirrors
BT2 Open Plasma Devices
BT3 Thermonuclear Devices
RT Magnetic Field Reversal
RT Reverse-Field Pinch

Reversible Turbines
DA January 24, 1980
USE Pump Turbines

REVERTANTS [01]
DA December 20, 1978
BT1 Mutants
RT Mutations

REVIEWS [01]
(Critical assessment of work and data usually accompanied by an extensive bibliography.)
DA December 1, 1974
BT1 Document Types
RT Research Programs

REWETTING [01]
DA August 24, 1976
RT Dryout
RT Heat Transfer
RT Hot Spots
RT Surfaces

Rexco Process
DA February 6, 1975
SEE Coal
DEF Process for manufacturing smokeless fuel.

REYNOLDS NUMBER [01]
DA December 1, 1974
NT1 Magnetic Reynolds Number
RT Fluid Flow
RT Friction Factor
RT Grashof Number
RT Turbulent Flow
RT Viscous Flow

Rez TR-0 Reactor
DA December 1, 1974
USE TR-0 Reactor

REZISTAL
DA December 1, 1974
BT1 Chromium Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Iron Base Alloys
BT2 Iron Alloys
BT3 Alloys
BT1 Nickel Alloys
BT2 Alloys

RF SYSTEMS [01]
DA December 1, 1974
UF *Radiofrequency Systems*
RT Cavity Resonators
RT Cyclic Accelerators
RT Gyrocons
RT Klystrons
RT Lasertrons
RT Magnetrons
RT Power Supplies
RT Radio Equipment
RT Radiowave Radiation
RT Resonators
RT SQUID Devices
RT Superconducting Cavity Resonators
RT Travelling Wave Tubes
RT Tuning

RFLPS [01]
(Restriction fragment length polymorphisms.)
DA October 22, 1987
RT Chromosomes
RT Endonucleases
RT Genes
RT Genetic Mapping
RT Genetic Variability
DEF Portions of chromosomes produced by endonuclease digestion that are of suitable size for gene sequencing, genetic mapping and DNA sequencing.

RG-1M REACTOR [01]
DA December 1, 1974
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors

RHABDOMYOSARCOMAS [01]
DA May 6, 1975
BT1 Myosarcomas
BT2 Sarcomas
BT3 Neoplasms
BT4 Diseases

RHAGOLETIS CERASI [01]
DA January 26, 1976
UF *Cherry Fruit Fly*
BT1 Fruit Flies
BT2 Flies
BT3 Diptera
BT4 Insects
BT5 Arthropods
BT6 Invertebrates
BT7 Animals

RHEINSBERG AKW1 REACTOR [01]
(Gransee, Rheinsberg, Federal Republic of Germany.)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

RHENATES [01]
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
DA December 1, 1974
BT1 Oxygen Compounds
BT1 Rhenium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
RT Rhenium Oxides

RHENIUM [01]
DA December 1, 1974
BT1 Transition Elements
BT2 Metals
BT3 Elements
RT Refractory Metals

RHENIUM 161 [01]
DA October 23, 1979
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rhenium Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RHENIUM 162 [01]
DA October 23, 1979
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rhenium Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RHENIUM 163 [01]
DA October 23, 1979
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rhenium Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RHENIUM 164 [01]
DA October 23, 1979
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rhenium Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RHENIUM 165 [01]
DA July 7, 1983
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rhenium Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RHENIUM 166 [01]
DA May 25, 1979
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rhenium Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RHENIUM 167 [01]
DA May 25, 1979
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rhenium Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RHENIUM 168 [01]
DA December 20, 1978
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rhenium Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RHENIUM 169 [01]
DA December 20, 1978
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rhenium Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RHENIUM 170 [01]
DA May 5, 1975
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rhenium Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RHENIUM 171 [01]
DA October 2, 1987
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rhenium Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RHENIUM 172 [01]
DA May 5, 1975
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rhenium Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RHENIUM 173 [01]
DA June 12, 1975
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rhenium Isotopes
BT2 Isotopes

RHENIUM 174 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rhenium Isotopes
BT2 Isotopes

RHENIUM 175 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rhenium Isotopes
BT2 Isotopes

RHENIUM 176 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rhenium Isotopes
BT2 Isotopes

RHENIUM 177 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rhenium Isotopes
BT2 Isotopes

RHENIUM 178 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rhenium Isotopes
BT2 Isotopes

RHENIUM 179 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rhenium Isotopes
BT2 Isotopes

RHENIUM 180 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rhenium Isotopes
BT2 Isotopes

RHENIUM 181 [01]
DA December 1, 1974
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rhenium Isotopes
BT2 Isotopes

RHENIUM 182 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rhenium Isotopes
BT2 Isotopes

RHENIUM 178 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rhenium Isotopes
BT2 Isotopes

RHENIUM 179 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rhenium Isotopes
BT2 Isotopes

RHENIUM 180 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rhenium Isotopes
BT2 Isotopes

RHENIUM 181 [01]
DA December 1, 1974
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rhenium Isotopes
BT2 Isotopes

RHENIUM 182 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes

BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rhenium Isotopes
BT2 Isotopes

RHENIUM 183 [01]
DA December 1, 1974
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rhenium Isotopes
BT2 Isotopes

RHENIUM 184 [01]
DA December 1, 1974
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rhenium Isotopes
BT2 Isotopes

RHENIUM 184 TARGET [01]
DA April 12, 1977
BT1 Targets

RHENIUM 185 [01]
DA December 1, 1974
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rhenium Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

RHENIUM 185 TARGET [01]
DA July 9, 1976
BT1 Targets

RHENIUM 186 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rhenium Isotopes
BT2 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RHENIUM 186 TARGET [01]
DA July 9, 1976
BT1 Targets

RHENIUM 187 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rhenium Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RHENIUM 187 TARGET [01]
DA July 9, 1976
BT1 Targets

RHENIUM 188 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rhenium Isotopes
BT2 Isotopes

RHENIUM 189 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rhenium Isotopes
BT2 Isotopes

RHENIUM 190 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rhenium Isotopes
BT2 Isotopes

RHENIUM 191 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rhenium Isotopes
BT2 Isotopes

RHENIUM 192 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rhenium Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RHENIUM ADDITIONS [01]
DA December 1, 1974
BT1 Rhenium Alloys
BT2 Alloys

RHENIUM ALLOYS [01]
DA December 1, 1974
BT1 Alloys
NT1 Rhenium Additions
NT1 Rhenium Base Alloys

RHENIUM BASE ALLOYS [01]
DA December 1, 1974
BT1 Rhenium Alloys
BT2 Alloys

RHENIUM BORIDES [01]
DA December 1, 1974
BT1 Borides
BT2 Boron Compounds
BT1 Rhenium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

RHENIUM BROMIDES [01]
DA December 1, 1974
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Rhenium Halides
BT2 Halides
BT3 Halogen Compounds
BT2 Rhenium Compounds
BT3 Refractory Metal Compounds
BT3 Transition Element Compounds

RHENIUM CARBIDES [01]
DA December 1, 1974
BT1 Carbides
BT2 Carbon Compounds
BT1 Rhenium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

RHENIUM CARBONATES [01]
DA January 31, 1975
BT1 Carbonates
BT2 Carbon Compounds
BT2 Oxygen Compounds
BT1 Rhenium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

RHENIUM CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Rhenium Halides
BT2 Halides
BT3 Halogen Compounds
BT2 Rhenium Compounds
BT3 Refractory Metal Compounds
BT3 Transition Element Compounds

RHENIUM COMPLEXES [01]
DA December 1, 1974
BT1 Transition Element Complexes
BT2 Complexes

RHENIUM COMPOUNDS [01]
DA December 1, 1974
BT1 Refractory Metal Compounds
BT1 Transition Element Compounds
NT1 Perrhenates
NT1 Rhenates
NT1 Rhenium Borides
NT1 Rhenium Carbides
NT1 Rhenium Carbonates
NT1 Rhenium Halides
NT2 Rhenium Bromides
NT2 Rhenium Chlorides
NT2 Rhenium Fluorides
NT2 Rhenium Iodides
NT1 Rhenium Hydrides
NT1 Rhenium Hydroxides
NT1 Rhenium Nitrides
NT1 Rhenium Oxides
NT1 Rhenium Selenides
NT1 Rhenium Silicides
NT1 Rhenium Sulfates
NT1 Rhenium Sulfides
NT1 Rhenium Tellurides

RHENIUM FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Rhenium Halides
BT2 Halides
BT3 Halogen Compounds
BT2 Rhenium Compounds
BT3 Refractory Metal Compounds
BT3 Transition Element Compounds

RHENIUM HALIDES [01]
DA July 29, 1975
BT1 Halides
BT2 Halogen Compounds
BT1 Rhenium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
NT1 Rhenium Bromides
NT1 Rhenium Chlorides
NT1 Rhenium Fluorides
NT1 Rhenium Iodides

RHENIUM HYDRIDES [01]
DA January 24, 1975
BT1 Hydrides
BT2 Hydrogen Compounds
BT1 Rhenium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

RHENIUM HYDROXIDES [01]
DA April 8, 1975
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds
BT1 Rhenium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

RHENIUM IODIDES [01]
DA December 15, 1976
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds
BT1 Rhenium Halides
BT2 Halides
BT3 Halogen Compounds
BT2 Rhenium Compounds
BT3 Refractory Metal Compounds
BT3 Transition Element Compounds

RHENIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

RHENIUM ISOTOPES [01]
DA December 1, 1974
BT1 Isotopes
NT1 Rhenium 161
NT1 Rhenium 162
NT1 Rhenium 163
NT1 Rhenium 164
NT1 Rhenium 165
NT1 Rhenium 166
NT1 Rhenium 167
NT1 Rhenium 168
NT1 Rhenium 169
NT1 Rhenium 170
NT1 Rhenium 171
NT1 Rhenium 172
NT1 Rhenium 173
NT1 Rhenium 174
NT1 Rhenium 175
NT1 Rhenium 176
NT1 Rhenium 177
NT1 Rhenium 178
NT1 Rhenium 179
NT1 Rhenium 180
NT1 Rhenium 181
NT1 Rhenium 182
NT1 Rhenium 183
NT1 Rhenium 184
NT1 Rhenium 185
NT1 Rhenium 186
NT1 Rhenium 187
NT1 Rhenium 188
NT1 Rhenium 189
NT1 Rhenium 190
NT1 Rhenium 191
NT1 Rhenium 192

RHENIUM NITRIDES [01]
DA January 31, 1975
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides
BT1 Rhenium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

RHENIUM ORES [01]
DA December 1, 1974
BT1 Ores

RHENIUM OXIDES [01]
DA December 1, 1974
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds
BT1 Rhenium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
RT Perrhenates
RT Rhenates

RHENIUM SELENIDES [01]
DA January 22, 1975
BT1 Rhenium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Selenides
BT2 Chalcogenides
BT2 Selenium Compounds

RHENIUM SILICIDES [01]
DA December 20, 1978
BT1 Rhenium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Silicides
BT2 Silicon Compounds

RHENIUM SULFATES [01]
DA April 12, 1977
BT1 Rhenium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds

RHENIUM SULFIDES [01]
DA December 1, 1974
BT1 Rhenium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds

RHENIUM TELLURIDES [01]
DA January 22, 1975
BT1 Rhenium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds

RHEOLOGY [01]
DA September 11, 1975
RT Fluid Flow
RT Matter
RT Thixotropy
DEF Study of deformation and flow of matter.

RHEOSTATS [01]
DA December 1, 1974
BT1 Resistors
BT2 Electrical Equipment
BT3 Equipment

Rhesus Monkeys
DA December 1, 1974
USE Macacus

RHEUMATIC DISEASES [01]
DA December 1, 1974
UF *Arthritis*
UF *Rheumatoid Diseases*
BT1 Skeletal Diseases
BT2 Diseases
NT1 Spondylitis
RT Bone Joints
RT Bone Tissues

Rheumatoid Diseases
DA December 1, 1974
USE Rheumatic Diseases

RHINE RIVER [01]
DA December 1, 1974
BT1 Rivers
BT2 Streams
BT3 Surface Waters
RT Austria
RT Federal Republic of Germany
RT France
RT Netherlands
RT Switzerland

RHIZOBIUM [01]
DA January 24, 1986
BT1 Bacteria
BT2 Microorganisms
RT Leguminosae

Rhizopterin
DA December 1, 1974
USE Folic Acid

RHIZOPUS [01]
DA December 1, 1974
BT1 Eumycota
BT2 Fungi
BT3 Plants

RHO3-1690 MESONS [01]
(Prior to February 1988 this concept was indexed by RHO-1670 RESONANCES.)
DA February 1, 1988
UF *G Resonances*
UF *Rho-1670 Resonances*
BT1 Tensor Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

RHO3-2250 MESONS [01]
(Prior to February 1988 this concept was indexed by T-2200 RESONANCES.)
DA February 1, 1988
UF *T-2200 Resonances*
BT1 Tensor Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

RHO5-2350 MESONS [01]
DA February 1, 1988
BT1 Tensor Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

Rho-765 Resonances
(Prior to January 1988 this was a valid descriptor.)
DA December 1, 1974
USE Rho-770 Mesons

RHO-770 MESONS [01]
(Prior to January 1988 this concept was indexed by Rho-765 resonances.)
DA January 25, 1988
UF *Rho-765 Resonances*
BT1 Vector Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

RHO-1250 MESONS [01]
(Prior to January 1988 this concept was indexed by RHO-1250 RESONANCES.)
DA January 28, 1988
UF *Rho-1250 Resonances*
BT1 Vector Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

Rho-1250 Resonances
(Prior to January 1988 this was a valid descriptor.)
DA January 22, 1975
USE Rho-1250 Mesons

Rho-1500 Resonances
(Prior to March 1988 this was a valid descriptor.)
DA October 28, 1975
USE Mesons

RHO-1600 MESONS [01]
(Prior to February 1988 this concept was indexed by RHO-1600 RESONANCES.)
DA February 1, 1988
UF *Rho-1600 Resonances*
UF *Rho-Prime Resonances*
BT1 Vector Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

Rho-1600 Resonances
(Prior to February 1988 this was a valid descriptor.)
DA December 1, 1974
USE Rho-1600 Mesons

Rho-1670 Resonances
(Prior to February 1988 this was a valid descriptor.)
DA December 1, 1974
USE Rho3-1690 Mesons

Rho-1700 Resonances
(Prior to March 1988 this was a valid descriptor.)
DA December 1, 1974
USE Mesons

RHO-2150 MESONS [01]
DA February 1, 1988
BT1 Vector Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

Rho-Prime Resonances
DA December 1, 1974
USE Rho-1600 Mesons

RHODAMINES [01]
DA December 1, 1974
BT1 Amines
BT2 Organic Compounds
BT1 Dyes
BT1 Heterocyclic Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT2 Heterocyclic Compounds
BT3 Organic Compounds
BT1 Organic Oxygen Compounds
BT2 Organic Compounds
BT1 Reagents
RT Phthalic Acid

Rhodanates
DA December 1, 1974
USE Thiocyanates

Rhodanides
DA December 1, 1974
USE Thiocyanates

RHODE ISLAND [01]
DA December 1, 1974
BT1 USA
BT2 Developed Countries
BT2 North America
RT US East Coast

Rhode Island Nuclear Science Center
DA December 1, 1974
USE RINSC Reactor

Rhodesia (Northern)
DA December 1, 1974
USE Zambia

Rhodesia (Southern)
DA December 1, 1974
USE Southern Rhodesia

RHODIUM [01]
DA December 1, 1974
BT1 Platinum Metals
BT2 Transition Elements
BT3 Metals
BT4 Elements

RHODIUM 94 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rhodium Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RHODIUM 95 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rhodium Isotopes
BT2 Isotopes

RHODIUM 96 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rhodium Isotopes
BT2 Isotopes

RHODIUM 96 TARGET [01]
DA July 12, 1976
BT1 Targets

RHODIUM 97 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rhodium Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RHODIUM 98 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rhodium Isotopes
BT2 Isotopes

RHODIUM 99 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rhodium Isotopes
BT2 Isotopes

RHODIUM 100 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rhodium Isotopes
BT2 Isotopes

RHODIUM 101 [01]
DA December 1, 1974
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rhodium Isotopes
BT2 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RHODIUM 102 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rhodium Isotopes
BT2 Isotopes

RHODIUM 103 [01]
DA December 1, 1974
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rhodium Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

RHODIUM 103 TARGET [01]
DA July 9, 1976
BT1 Targets

RHODIUM 104 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rhodium Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RHODIUM 105 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rhodium Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RHODIUM 106 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rhodium Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RHODIUM 107 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rhodium Isotopes
BT2 Isotopes

RHODIUM 108 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rhodium Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RHODIUM 109 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rhodium Isotopes
BT2 Isotopes

BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RHODIUM 110 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rhodium Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RHODIUM 111 [01]
DA February 23, 1979
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rhodium Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RHODIUM 112 [01]
DA February 19, 1975
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rhodium Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RHODIUM 113 [01]
DA December 2, 1988
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rhodium Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RHODIUM 114 [01]
DA July 15, 1988
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rhodium Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RHODIUM 115 [01]
DA December 2, 1988
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rhodium Isotopes
BT2 Isotopes

RHODIUM 116 [01]
DA June 12, 1975
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rhodium Isotopes
BT2 Isotopes

RHODIUM 117 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rhodium Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RHODIUM ADDITIONS [01]
DA December 1, 1974
BT1 Rhodium Alloys
BT2 Platinum Metal Alloys
BT3 Alloys

RHODIUM ALLOYS [01]
DA December 1, 1974
BT1 Platinum Metal Alloys
BT2 Alloys
NT1 Rhodium Additions
NT1 Rhodium Base Alloys

RHODIUM BASE ALLOYS [01]
DA December 1, 1974
BT1 Rhodium Alloys
BT2 Platinum Metal Alloys
BT3 Alloys

RHODIUM BORIDES [01]
DA January 30, 1975
BT1 Borides
BT2 Boron Compounds
BT1 Rhodium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

RHODIUM BROMIDES [01]
DA November 26, 1975
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Rhodium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

RHODIUM CARBIDES [01]
DA December 1, 1974
BT1 Carbides
BT2 Carbon Compounds
BT1 Rhodium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

RHODIUM CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Rhodium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

RHODIUM COMPLEXES [01]
DA December 1, 1974
BT1 Transition Element Complexes
BT2 Complexes

RHODIUM COMPOUNDS [01]
DA December 1, 1974
UF+ *Rhodium Nitrides*
BT1 Refractory Metal Compounds
BT1 Transition Element Compounds
NT1 Rhodium Borides
NT1 Rhodium Bromides
NT1 Rhodium Carbides
NT1 Rhodium Chlorides
NT1 Rhodium Fluorides
NT1 Rhodium Hydrides
NT1 Rhodium Hydroxides
NT1 Rhodium Oxides
NT1 Rhodium Phosphides
NT1 Rhodium Selenides
NT1 Rhodium Silicides
NT1 Rhodium Sulfides
NT1 Rhodium Tellurides

RHODIUM FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Rhodium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

RHODIUM HYDRIDES [01]
DA June 30, 1975
BT1 Hydrides
BT2 Hydrogen Compounds
BT1 Rhodium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

RHODIUM HYDROXIDES [01]
DA November 26, 1975
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds
BT1 Rhodium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

RHODIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

RHODIUM ISOTOPES [01]
DA December 1, 1974
BT1 Isotopes
NT1 Rhodium 94
NT1 Rhodium 95
NT1 Rhodium 96
NT1 Rhodium 97
NT1 Rhodium 98
NT1 Rhodium 99
NT1 Rhodium 100
NT1 Rhodium 101
NT1 Rhodium 102
NT1 Rhodium 103
NT1 Rhodium 104
NT1 Rhodium 105
NT1 Rhodium 106
NT1 Rhodium 107
NT1 Rhodium 108
NT1 Rhodium 109
NT1 Rhodium 110
NT1 Rhodium 111

NT1 Rhodium 112
NT1 Rhodium 113
NT1 Rhodium 114
NT1 Rhodium 115
NT1 Rhodium 116
NT1 Rhodium 117

Rhodium Nitrides
(Prior to January 1993, this was a valid descriptor.)
DA December 16, 1975
USE Nitrides
AND Rhodium Compounds

RHODIUM OXIDES [01]
DA December 1, 1974
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds
BT1 Rhodium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

RHODIUM PHOSPHIDES [01]
DA July 7, 1976
BT1 Phosphides
BT2 Phosphorus Compounds
BT2 Pnictides
BT1 Rhodium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

RHODIUM SELENIDES [01]
DA March 22, 1976
BT1 Rhodium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Selenides
BT2 Chalcogenides
BT2 Selenium Compounds

RHODIUM SILICIDES [01]
DA July 18, 1985
BT1 Rhodium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Silicides
BT2 Silicon Compounds

RHODIUM SULFIDES [01]
DA November 11, 1975
BT1 Rhodium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds

RHODIUM TELLURIDES [01]
DA July 7, 1976
BT1 Rhodium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds

RHODIZONIC ACID [01]
DA December 1, 1974
BT1 Hydroxy Compounds
BT2 Organic Compounds
BT1 Quinones
BT2 Aromatics
BT3 Organic Compounds
BT2 Organic Oxygen Compounds
BT3 Organic Compounds
BT1 Reagents
RT Organic Acids

→**RHODOCOCCUS [01]**
DA November 20, 1992
BT1 Sulfur-Oxidizing Bacteria
BT2 Bacteria
BT3 Microorganisms
RT Coal Preparation
RT Desulfurization

RHODOPHYCOTA [01]
DA December 20, 1988
BT1 Algae
BT2 Plants
NT1 Porphyra

RHODOPSEUDOMONAS [01]
DA December 1, 1974
BT1 Bacteria
BT2 Microorganisms

RHODOPSIN [01]
DA September 15, 1983
BT1 Pigments
BT1 Proteins
BT2 Organic Compounds
RT Membrane Transport
RT Photosynthesis
DEF A brilliant red photosensitive pigment.

RHODOSPIRILLUM [01]
DA December 1, 1974
BT1 Bacteria
BT2 Microorganisms

Rhombohedral Lattices
DA December 1, 1974
USE Trigonal Lattices

RHONE RIVER [01]
DA December 1, 1974
BT1 Rivers
BT2 Streams
BT3 Surface Waters
RT France
RT Switzerland

RHR SYSTEMS
DA January 30, 1975
UF *Residual Heat Removal*
BT1 Reactor Cooling Systems
BT2 Cooling Systems
BT3 Energy Systems
BT2 Reactor Components
RT After-Heat Removal

RHYOLITES [01]
DA November 11, 1975
BT1 Volcanic Rocks
BT2 Igneous Rocks
BT3 Rocks
RT Feldspars
RT Granites
RT Perlite
RT Silicon Oxides
DEF A group of extrusive igneous rocks generally porphyritic and containing small phenocrysts of quartz and alkali feldspar set in a glassy or cryptocrystalline groundmass.

RHYTHMICITY [01]
DA December 1, 1974
RT Estrous Cycle
RT Menstrual Cycle

RIBBON-TO-RIBBON METHOD
DA February 11, 1980
UF *RTR Method*
BT1 Crystal Growth Methods
RT Crystal Growth
RT Ribbon-to-Sheet Method
RT Sheets
RT Zone Melting
DEF A float-zone crystal growth method where the polycrystalline ribbon is fed into a preheated region, melted, and recrystallized.

RIBBON-TO-SHEET METHOD
DA July 18, 1981
BT1 Crystal Growth Methods
RT Ribbon-to-Ribbon Method

RIBOFLAVIN [01]
DA December 1, 1974
UF *Vitamin B-2*
BT1 Vitamin B Group
BT2 Vitamins
RT Ribose

Ribonuclease
DA December 1, 1974
USE RNA-ase

Ribonucleic Acid
DA December 1, 1974
USE RNA

RIBOSE [01]
DA December 1, 1974
BT1 Aldehydes
BT2 Organic Compounds
BT1 Pentoses
BT2 Monosaccharides
BT3 Saccharides
BT4 Carbohydrates
BT5 Organic Compounds
RT Riboflavin

RIBOSIDES [01]
DA December 1, 1974
NT1 Nucleosides
NT2 Adenosine
NT2 BUDR
NT2 Cytidine
NT2 Deoxycytidine
NT2 Deoxyuridine
NT2 FUDR
NT2 Guanosine
NT2 Inosine
NT2 Iododeoxyuridine
NT2 Thymidine
NT2 Uridine
RT Deoxyribose
RT Nucleic Acids
RT Pentoses

RIBOSOMAL RNA [01]
DA November 19, 1985
UF *r-RNA*
BT1 RNA
BT2 Nucleic Acids
BT3 Organic Compounds
RT Microsomes
RT Nucleoli
RT Ribosomes

RIBOSOMES [01]
DA December 1, 1974
BT1 Cell Constituents
NT1 Microsomes
RT Codons
RT Ribosomal RNA
RT RNA
RT Subcellular Distribution

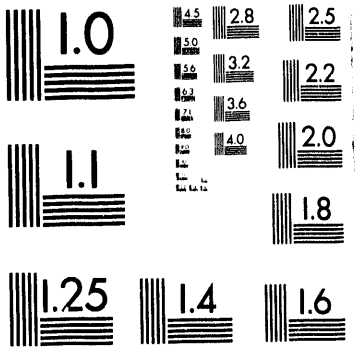
RIBULOSE [01]
DA December 1, 1974
BT1 Ketones
BT2 Organic Compounds
BT1 Pentoses
BT2 Monosaccharides
BT3 Saccharides
BT4 Carbohydrates
BT5 Organic Compounds

RIBULOSE DIPHOSPHATE CARBOXYLASE
DA October 25, 1985
BT1 Carboxy-Lyases
BT2 Carbon-Carbon Lyases
BT3 Lyases
BT4 Enzymes
BT5 Proteins
BT6 Organic Compounds
RT Carbon Cycle
RT Carbon Dioxide Fixation
RT Chloroplasts
RT Photosynthesis

RIC PROCESS
DA April 15, 1975
BT1 Desulfurization
BT2 Chemical Reactions

RICCATI EQUATION [01]
DA December 1, 1974
BT1 Differential Equations
BT2 Equations

RICCI TENSOR [01]
DA December 1, 1974
BT1 Tensors
RT Riemann Space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1.1
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RICE [01]
DA December 1, 1974
UF *Oryza*
BT1 Cereals
BT2 Gramineae
BT3 Liliopsida
BT4 Magnoliophyta
BT5 Plants

RICE STEM BORERS [01]
DA December 1, 1974
BT1 Moths
BT2 Lepidoptera
BT3 Insects
BT4 Arthropods
BT5 Invertebrates
BT6 Animals

Richardson-Dushman Equation
DA December 1, 1974
USE Richardson Equation

RICHARDSON EQUATION [01]
DA December 1, 1974
UF *Richardson-Dushman Equation*
BT1 Equations
RT Thermionics

RICHARDSON NUMBER [01]
DA December 1, 1974
RT Turbulent Flow

RICHLAND
DA March 5, 1979
BT1 Urban Areas
BT1 Washington
BT2 USA
BT3 Developed Countries
BT3 North America

Richland FFTF Reactor
DA December 1, 1974
USE FFTF Reactor

Richland NPR Reactor
DA December 1, 1974
USE N-Reactor

Richland Physical Constants Test Reactor
DA December 1, 1974
USE PCTR Reactor

Ricinum Communis
DA December 1, 1974
USE Castor

RICKETS [01]
DA December 1, 1974
UF *Rachitis*
BT1 Metabolic Diseases
BT2 Diseases
BT1 Skeletal Diseases
BT2 Diseases
RT Bone Tissues
RT Vitamin D

RICKETTSIAE [01]
DA December 1, 1974
BT1 Microorganisms
RT Rickettsial Diseases
RT Typhus

RICKETTSIAL DISEASES [01]
DA January 12, 1981
BT1 Infectious Diseases
BT2 Diseases
NT1 Typhus
RT Host
RT Pathogens
RT Rickettsiae

Ridesharing
DA August 25, 1980
SEE Carpooling
OR Vanpooling

RIEHL-SCHON MODEL
DA February 6, 1975
RT Crystals
DEF Photovoltaic and photoconductive effects in crystals.

Riemann Curvature Tensor
DA December 1, 1974
USE Riemann Space

RIEMANN FUNCTION [01]
DA December 1, 1974
BT1 Functions
RT Differential Equations

Riemann Geometry
DA December 1, 1974
USE Riemann Space

Riemann Manifolds
DA December 1, 1974
USE Riemann Space

Riemann Metric
DA December 1, 1974
USE Riemann Space

RIEMANN SHEET [01]
DA December 1, 1974
RT Riemann Space

RIEMANN SPACE [01]
DA December 1, 1974
UF *Riemann Curvature Tensor*
UF *Riemann Geometry*
UF *Riemann Manifolds*
UF *Riemann Metric*
UF *Riemann Sphere*
BT1 Mathematical Space
BT2 Space
NT1 Euclidean Space
RT Curvilinear coordinates
RT Ricci Tensor
RT Riemann Sheet
RT Smooth Manifolds

Riemann Sphere
DA December 1, 1974
USE Riemann Space

Riemann Waves
DA December 1, 1974
USE Shock Waves

RIEN-1 REACTOR [01]
(Instituto de Energenharia Nuclear/Nuclebras, Rio de Janeiro,Brazil.)
DA December 1, 1974
UF *Argonauta Rien-1 Reactor*
UF *Argonauta Rio Reactor*
UF *Instituto Engenhoria Nuclear Rio Reactor*
BT1 Argonaut Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors

RIFT ZONES [01]
DA September 11, 1975
UF *Zones (Rift)*
BT1 Geologic Structures
RT Geologic Faults
RT Rio Grande Rift
DEF A system of crustal fractures.

RIGHI-LEDUC EFFECT [01]
DA December 1, 1974
RT Hall Effect
RT Heat Transfer
RT Magnetic Fields
RT Thermal Conductivity

RIGHTS-OF-WAY [01]
DA March 29, 1979
RT Eminent Domain
RT Land Use
RT Legal Aspects
RT Pipelines
RT Power Transmission Lines

Riken SSC
DA November 9, 1983
USE IPCR Cyclotron

Rikkyo University TRIGA-Mk-II Reactor
DA December 1, 1974
USE TRIGA-2-Rikkyo Reactor

RILAC [01]
(Frequency-tunable heavy ion linac at Institute of Physical and Chemical Research, Saitama, Japan.)
DA November 18, 1986
BT1 Heavy Ion Accelerators
BT2 Accelerators
BT1 Linear Accelerators
BT2 Accelerators

RILEY-MORGAN PROCESS
DA August 24, 1977
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes
DEF Redesign of the old Morgan fixed-bed gasifier for industrial plant gas supply.

RIMS
DA April 24, 1985
SEE Resonance Ionization Mass Spectroscopy

RING CHROMOSOMES [01]
DA December 1, 1974
BT1 Chromosomes

RING CURRENTS [01]
DA December 1, 1974
BT1 Electric Currents
BT2 Currents
RT Electrojets

RING LASERS [01]
DA June 7, 1982
BT1 Lasers

RING OVEN METHOD
DA January 28, 1975
BT1 Chemical Analysis
RT Quantitative Chemical Analysis
RT Separation Processes
DEF Concentration of solutes from a single drop in concentric rings on a disc of filter paper for the qualitative detection of elements.

RINGHALS-1 REACTOR [01]
(Ringhals, Vaeroebacka, Sweden)
DA December 1, 1974
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

RINGHALS-2 REACTOR [01]
(Ringhals, Vaeroebacka, Sweden)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors

BT2 Water Moderated Reactors
BT3 Reactors

RINGHALS-3 REACTOR [01]
(Ringhals, Vaeroebacka, Sweden)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

RINGHALS-4 REACTOR [01]
DA November 30, 1982
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

Ringotron
DA December 1, 1974
USE Electron-Ring Accelerators

RINGS [01]
DA December 1, 1974
RT Configuration
RT Shape
RT Tori

Rings (Storage)
DA December 1, 1974
USE Storage Rings

RINSC REACTOR [01]
(Rhode Island Atomic Energy Commission, Rhode Island Nuclear Science Center, Narragansett, Rhode Island, USA.)
DA December 1, 1974
UF *Rhode Island Nuclear Science Center*
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors

RIO BLANCO EVENT [01]
DA December 1, 1974
BT1 Plowshare Project
BT1 Toggle Operation
BT2 Nuclear Explosions
BT3 Explosions
BT2 Underground Explosions
BT3 Explosions
RT Natural Gas

RIO BLANCO OIL SHALE PROJECT
DA March 11, 1976
UF *Tract C-a Prototype Oil Shale Project*
RT Colorado
RT Oil Shales

RIO GRANDE RIFT [01]
DA August 24, 1976
RT Colorado
RT New Mexico
RT Rift Zones

RIO GRANDE RIVER [01]
DA September 4, 1980
BT1 Rivers
BT2 Streams
BT3 Surface Waters
RT Colorado
RT Mexico
RT New Mexico
RT Texas

RIOMETERS [01]
DA December 1, 1974
BT1 Measuring Instruments

RIPENING [01]
DA December 1, 1974
RT Age Dependence
RT Growth
RT Life Cycle
RT Physiology

Risa
DA December 1, 1974
USE Albumins
AND Organic Iodine Compounds

RISE
(Rubble In-Situ Extraction.)
DA June 30, 1975
BT1 Modified In-Situ Processes
RT In-Situ Retorting
RT Oil Shales
DEF RISE is a modified in-situ method of processing oil shale in which 20% of the mined shale is removed for retorting on the surface, the remainder is retorted in place making use of hot gas generated continuously from combustion of a portion of the oil shale, using an air stream.

Rise Time
DA December 1, 1974
USE Pulse Rise Time

Riser Cracking
DA October 13, 1976
USE Coal Liquefaction

RISHON MODEL
DA October 10, 1984
BT1 Composite Models
BT2 Particle Models
BT3 Mathematical Models

Risk Analysis
DA April 27, 1978
USE Risk Assessment

RISK ASSESSMENT [01]
DA September 19, 1977
UF *Risk Analysis*
RT ALARA
RT Energy Source Development
RT Fuel Cycle
RT Fuel Reprocessing Plants
RT Licensing Regulations
RT Nuclear Power Plants
RT Probability
RT Radioactive Waste Management
RT Reliability
RT Safety Analysis
RT Seismicity
RT Source Terms
DEF Evaluation of probabilities and consequences of loss of intended design performance or identification and evaluation of potential consequences of planned operations.

Risks
DA December 1, 1974
USE Hazards

RISOE NATIONAL LABORATORY [01]
(Prior to 1978, known as RISOE RESEARCH ESTABLISHMENT and documents written before that date should be so indexed.)
DA July 6, 1978
BT1 Danish Organizations
BT2 National Organizations

RISOE RESEARCH ESTABLISHMENT [01]
DA June 3, 1977
BT1 Danish Organizations
BT2 National Organizations

RITAC DOSEMETERS [01]
(Passive solid-state dosemeters based on Radiation Induced Thermally Activated Current.)
DA April 8, 1975
BT1 Dosemeters
BT2 Measuring Instruments
RT RITAD Dosemeters

RITAD DOSEMETERS [01]
(Integral solid-state dosemeters based on Radiation Induced Thermally Activated Depolarization.)
DA December 1, 1974
BT1 Dosemeters
BT2 Measuring Instruments
RT Dielectric Materials
RT RITAC Dosemeters

RITCHIE-ELDRIDGE THEORY [01]
DA December 1, 1974
RT Perturbation Theory

RITMO REACTOR [01]
(National Nuclear Energy Committee, Rome, Italy.)
DA December 1, 1974
UF *RC-4 Reactor Casaccia*
UF *Reattore Casaccia-4*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

RITZ METHOD [01]
DA December 1, 1974
UF *Rayleigh-Ritz Method*
UF *Ritz Variation Method*
UF *Ritz-Rayleigh Method*
BT1 Calculation Methods
RT Variational Methods

Ritz-Rayleigh Method
DA December 1, 1974
USE Ritz Method

Ritz Variation Method
DA December 1, 1974
USE Ritz Method

RIVER BEND-1 REACTOR [01]
(St. Francisville, Louisiana, USA)
DA December 1, 1974
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

RIVER BEND-2 REACTOR [01]
(St. Francisville, Louisiana, USA)
DA December 1, 1974
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors

BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

RIVER DELTAS [01]
DA August 25, 1983
BT1 Coastal Regions
RT Rivers
RT Sediments
RT Shores
RT Wetlands

RIVERS [01]
DA December 1, 1974
UF+ *Alaska River*
BT1 Streams
BT2 Surface Waters
NT1 Allegheny River
NT1 Altamaha River
NT1 Amazon River
NT1 Arkansas River
NT1 Au Sable River
NT1 Blind River
NT1 Brazos River
NT1 Cape Fear River
NT1 Chattahoochee River
NT1 Clinch River
NT1 Colorado River
NT1 Columbia River
NT1 Connecticut River
NT1 Crystal River
NT1 Cumberland River
NT1 Danube River
NT1 Delaware River
NT1 Detroit River
NT1 Dnieper River
NT1 Fraser River
NT1 Ganga River
NT1 Grand River
NT1 Gunnison River
NT1 Hudson River
NT1 James River
NT1 Kennebec River
NT1 Lewis River
NT1 Little Tennessee River
NT1 Menominee River
NT1 Mississippi River
NT1 Missouri River
NT1 Mohawk River
NT1 Nelson River
NT1 Niagara River
NT1 Niger River
NT1 Nile River
NT1 North Platte River
NT1 Ohio River
NT1 Ottawa River
NT1 Peace River
NT1 Piceance Creek
NT1 Po River
NT1 Potomac River
NT1 Pripet River
NT1 Rhine River
NT1 Rhone River
NT1 Rio Grande River
NT1 Saginaw River
NT1 Saint Clair River
NT1 Saint John River
NT1 Santee River
NT1 Savannah River
NT1 Scioto River
NT1 Severn River
NT1 Skagit River
NT1 St Lawrence River
NT1 Susquehanna River
NT1 Tennessee River
NT1 Thames River
NT1 Tigris River
NT1 Volga River
NT1 White River
NT1 Yangtze River
NT1 Yellow Creek
NT1 Yukon River
RT Estuaries
RT Flood Control
RT Fresh Water
RT Hydrology
RT Inland Waterways
RT River Deltas
RT Water Currents

Riveting
DA December 1, 1974
USE Fastening

Rivets
DA December 1, 1974
USE Fasteners

RKR Method
DA December 1, 1974
USE Rydberg-Klein-Rees Method

RMProcess
(Prior to July 1993, this was a valid descriptor.)
DA July 7, 1976
USE SNG Processes
DEF Methanation process which catalytically converts mixtures of carbon oxides obtained from coal or naphtha gasification to methane at high temperatures without recycle.

RNA [01]
DA December 1, 1974
UF *Ribonucleic Acid*
BT1 Nucleic Acids
BT2 Organic Compounds
NT1 Messenger-RNA
NT1 Ribosomal RNA
NT1 Transfer RNA
RT Nucleoli
RT Ribosomes
RT Strand Breaks

RNA-ASE [01]
(Code number 3.1.4.22 and 3.1.4.34.)
DA December 1, 1974
UF *Nuclease (Ribonuclease)*
UF *Ribonuclease*
BT1 Phosphodiesterases
BT2 Esterases
BT3 Hydrolases
BT4 Enzymes
BT5 Proteins
BT6 Organic Compounds
RT RNA Processing

RNA POLYMERASES [01]
DA January 27, 1984
BT1 Polymerases
BT2 Nucleotidyltransferases
BT3 Phosphorus-Group Transferases
BT4 Transferases
BT5 Enzymes
BT6 Proteins
BT7 Organic Compounds
RT DNA Polymerases
RT Messenger-RNA
RT Nucleoproteins
RT RNA Processing
RT Transcription
RT Transcription Factors

RNA PROCESSING
DA December 17, 1987
RT Messenger-RNA
RT Nucleoproteins
RT RNA Polymerases
RT RNA-ase
DEF Extensive modifications newly transcribed messenger-RNA's undergo before they are used as templates for protein synthesis. Also the editing of primary transcripts of ribosomal RNA and transfer RNA's.

RNPP-Rooppur Reactor
DA December 1, 1974
USE Rooppur Reactor

RO-07-0582
DA September 22, 1981
USE Misonidazole

ROAD OILS
DA December 10, 1979
BT1 Oils
BT2 Other Organic Compounds
BT3 Organic Compounds
RT Asphalts
RT Petroleum
RT Petroleum Distillates
RT Petroleum Residues
DEF Oil or petroleum residue intended for cold application to road surfaces.

ROAD TESTS
DA May 7, 1977
BT1 Testing
RT Automobiles
RT Buses
RT Trucks
RT Vehicles

ROAD TRANSPORT [01]
DA April 17, 1981
BT1 Land Transport
BT2 Transport
RT Motor Vehicle Accidents
RT Roads
RT Routing
RT Vehicles

ROADS [01]
DA January 22, 1975
UF *Highways*
UF *Streets*
RT Archaeological Sites
RT Bridges
RT Carpooling
RT Pavements
RT Road Transport
RT Roadway-Powered Electric Vehicles
RT Transport
RT Vanpooling

ROADWAY-POWERED ELECTRIC VEHICLES
DA April 17, 1981
BT1 Electric-Powered Vehicles
BT2 Vehicles
RT Roads

Roadways (Mines)
DA May 3, 1978
USE Mine Roadways

ROASTING [01]
DA December 1, 1974
BT1 Oxidation
BT2 Chemical Reactions
RT Pyrometallurgy

Robert E. Ginna-1 Reactor
DA December 1, 1974
USE Ginna-1 Reactor

Robert E. Ginna-2 Reactor
DA December 1, 1974
USE Ginna-2 Reactor

Robinia Pseudoacacia
DA April 29, 1986
USE Locust Trees

ROBINSON-2 REACTOR [01]
DA December 1, 1974
UF *Carolina Power Light Robinson-2 Reactor*
UF *HB Robinson-2*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

ROBOTS [01]
DA December 1, 1982
RT Control Equipment
RT Control Systems
RT Materials Handling Equipment

ROCHE EQUIPOTENTIALS [01]
DA December 1, 1974
UF *Roche Lobes*
RT Binary Stars
RT Gravitational Fields
RT Potentials

Roche Lobes
DA December 1, 1974
USE Roche Equipotentials

ROCHELLE SALT [01]
DA December 1, 1974
BT1 Potassium Compounds
BT2 Alkali Metal Compounds
BT1 Sodium Compounds
BT2 Alkali Metal Compounds
BT1 Tartrates
BT2 Carboxylic Acid Salts
RT Tartaric Acid

ROCK BEDS
DA September 12, 1975
RT Cold Storage
RT Heat Storage
RT Sensible Heat Storage

ROCK BURSTS [01]
DA May 9, 1977
UF *Gas Bursts*
RT Hazards
RT Mining
RT Precursor
RT Rock Mechanics
RT Seismic Events
DEF Explosive release of energy in rock strained beyond elastic limit.

ROCK CAVERNS
DA April 11, 1979
BT1 Cavities
RT Caves
RT Rocks

ROCK DRILLING [01]
DA December 1, 1974
UF *Drilling (Rock)*
BT1 Drilling
RT Boreholes
RT Drills
RT Materials Drilling
RT Rotary Drilling
RT Rotary Drills
RT Spark Drills
RT Subterrene Penetrators
RT Well Drilling

ROCK DUSTING
DA October 20, 1977
RT Coal Mines
RT Dusts
DEF Dusting of underground areas with powdered limestone (or other nearly inert dusts) to dilute coal dust to reduce explosion hazards.

ROCK FALLS
DA January 21, 1988
RT Rock Mechanics
RT Soil Mechanics
RT Strata Movement

ROCK-FLUID INTERACTIONS [01]
DA November 11, 1975
RT Chemical Reactions
RT Hydrothermal Alteration
RT Rocks
RT Waste-Rock Interactions

ROCK MECHANICS [01]
DA January 27, 1975
BT1 Mechanics
RT Dilatancy
RT Mining
RT Overburden
RT Rock Bursts
RT Rock Falls
RT Rocks
RT Soil Mechanics
RT Strata Control
RT Strata Movement
DEF Application of the principles of mechanics and geology to quantify the response of rock when it is acted upon by environmental forces, particularly when man-induced factors alter the original ambient forces.

Rock Salt
DA November 10, 1981
USE Salt Deposits

ROCK SPRINGS SITES [01]
DA June 30, 1975
BT1 Wyoming
BT2 USA
BT3 Developed Countries
BT3 North America
RT Oil Shale Deposits

ROCKET ENGINES
DA April 8, 1975
BT1 Engines
RT Rockets

Rocket Reactor Experiment Phoebus-1A
DA December 1, 1974
USE Phoebus-1A Reactor

Rocket Reactor Experiment Phoebus-1B
DA December 1, 1974
USE Phoebus-1B Reactor

Rocket Reactor Experiment Phoebus-2A
DA December 1, 1974
USE Phoebus-2A Reactor

Rocket Reactor Experiment Rover
DA December 1, 1974
USE Rover Reactors

ROCKETS [01]
DA December 1, 1974
NT1 Atlas Rockets
RT Ammunition
RT Electronic Guidance
RT Launching
RT Missile Launching Sites
RT Missiles
RT Navigational Instruments
RT Propellants
RT Propulsion Systems
RT Reentry
RT Rocket Engines
RT Space Flight
RT Space Transport
RT Space Vehicles

ROCKGAS PROCESS
DA June 12, 1975
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes
DEF Process for the gasification of coal using the partial oxidation of coal in a molten sodium carbonate medium to produce a low-Btu fuel gas for consumption at the site of the gasification plant.

ROCKS [01]
DA December 1, 1974
NT1 Igneous Rocks
NT2 Plutonic Rocks
NT3 Alkali Gabbros
NT3 Diorites
NT3 Gabbros
NT4 Anorthosites
NT3 Granites
NT4 Aplites
NT4 Granodiorites
NT4 Quartz Monzonite
NT3 Pegmatites
NT3 Peridotites
NT4 Kimberlites
NT3 Syenites
NT2 Volcanic Rocks
NT3 Andesites
NT3 Basalt
NT4 Diabases
NT3 Lamprophyres
NT4 Kimberlites
NT3 Nepheline Basalts
NT3 Perlite
NT3 Rhyolites
NT3 Trachytes
NT1 Metamorphic Rocks
NT2 Amphibolites
NT2 Gneisses
NT2 Granulites
NT2 Hornfelses
NT2 Marble
NT2 Quartzites
NT2 Schists
NT2 Serpentinites
NT1 Sedimentary Rocks
NT2 Carbonate Rocks
NT3 Limestone
NT4 Travertine
NT2 Chert
NT2 Conglomerates
NT3 Calcretes
NT2 Evaporites
NT2 Phosphate Rocks
NT3 Phosphorites
NT2 Sandstones
NT3 Graywacke
NT2 Shales
NT3 Argillite
NT3 Black Shales
NT3 Oil Shales
NT2 Siltstones
NT2 Sinters
NT1 Synthetic Rocks
RT Aquicludes
RT Aquifers
RT Basement Rock
RT Cap Rock
RT Concretions
RT Environmental Materials
RT Geobarometry
RT Geologic Strata
RT Lithology
RT Lunar Materials
RT Magma
RT Minerals
RT Orogenesis
RT Petrochemistry
RT Petrogenesis
RT Petrology
RT Pumice
RT Reefs
RT Reservoir Rock
RT Rock Caverns
RT Rock Mechanics
RT Rock-Fluid Interactions
RT Source Rocks
RT Stone Meteorites
RT Tectonics
RT Tuff
RT Waste-Rock Interactions

Rockwell Flash Hydrolieuefaction Process
DA December 1, 1982
USE CS-R Process

ROCKWELL HARDNESS [01]
DA December 1, 1974
RT Hardness

Rockwell International Process
DA February 23, 1979
SEE Molten Salt Coal Gasification Process
OR Molten Salt Waste Gasification Process

ROCKY FLATS PLANT [01]
DA December 1, 1974
BT1 US AEC
BT2 US Organizations
BT3 National Organizations
BT1 US DOE
BT2 US Organizations
BT3 National Organizations
BT1 US ERDA
BT2 US Organizations

BT3 National Organizations
RT Colorado

Rocky Flats Plant Nuclear Safety Facility
DA December 1, 1974
USE NSF-RFP Reactor

Rocky Mountain Overthrust Belt
DA July 27, 1982
USE Western US Overthrust Belt

Rocky Mountain Region
(Prior to June 1982 this was a valid descriptor.)
DA October 20, 1977
USE USA

ROCKY MOUNTAINS [01]
DA December 1, 1974
BT1 Mountains
RT Canada
RT USA

ROD BUNDLES
DA July 29, 1975
RT Fuel Element Clusters

ROD DROP ACCIDENTS [01]
DA December 1, 1974
BT1 Reactivity Insertions
BT1 Reactor Accidents
BT2 Accidents
RT Control Elements

ROD DROP METHOD [01]
DA December 1, 1974
RT Control Elements
RT Reactivity
RT Reactor Kinetics

ROD EJECTION ACCIDENTS [01]
DA December 1, 1974
BT1 Reactor Accidents
BT2 Accidents
RT Control Elements
RT Reactivity Insertions

ROD PUMPS
DA March 19, 1984
UF *Plunger Pumps*
UF *Sucker Rod Pumps*
BT1 Pumps
RT Natural Gas Wells
RT Oil Wells

RODENTS [01]
DA December 1, 1974
UF *Kangaroo Rat*
BT1 Mammals
BT2 Vertebrates
BT3 Animals
NT1 Chipmunks
NT1 Gerbils
NT1 Guinea Pigs
NT1 Hamsters
NT1 Mice
NT2 Transgenic Mice
NT1 Pikas
NT1 Prairie Dogs
NT1 Rats
NT1 Shrews
NT1 Squirrels
NT1 Voles
RT Disease Vectors
RT Nippostrongylus
RT Pest Control

RODS [01]
DA December 1, 1974
RT Cylinders
RT Shape
RT Wires

Rods (Control)
DA December 1, 1974
USE Control Elements

Rods (Fuel)
DA December 1, 1974
USE Fuel Rods

Roentgen (Exposure Unit)
DA December 1, 1974
USE Radiation Dose Units

Roentgen Equivalent Man
DA December 1, 1974
USE Dose Equivalents
AND Radiation Dose Units

ROGOWSKI COIL [01]
DA December 1, 1974
BT1 Electric Coils
BT2 Electrical Equipment
BT3 Equipment

Roll Welding
DA December 1, 1974
USE Forge Welding

ROLLED-IN PRICING
DA May 23, 1980
BT1 Prices
RT Fuel Substitution
RT Fuels
RT Marginal-Cost Pricing
DEF Weighted average cost of fuels (higher cost fuels averaged in with lower cost fuels).

ROLLER BEARINGS [01]
DA December 1, 1974
BT1 Bearings

ROLLING [01]
DA December 1, 1974
BT1 Materials Working
BT2 Fabrication
RT Cladding
RT Cold Working
RT Compacting
RT Hot Working
RT Plating

ROLLING FRICTION [01]
DA December 1, 1974
BT1 Friction
RT Gears
RT Wear

Rolphton NPD 2 Reactor
(Prior to July 1985, this was valid descriptor and older material is so indexed.)
DA December 1, 1974
USE NPD Reactor

ROMANIA [01]
DA December 1, 1974
UF *Rumania*
BT1 Developing Countries
BT1 Eastern Europe
BT2 Europe
RT Black Sea
RT Centrally Planned Economies
RT Danube River

Romanian WWR-C Reactor
DA December 1, 1974
USE WWR-S-Bucharest Reactor

ROMASHKA REACTOR [01]
(Kurchatov Inst., USSR.)
DA December 1, 1974
UF *Kurchatov Institute Romashka Reactor*
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Solid Homogeneous Reactors
BT2 Homogeneous Reactors
BT3 Reactors

Rombach Process
(Prior to July 1993, this was a valid descriptor.)
DA January 27, 1975
USE Coal Gasification

ROMEO EVENT [01]
DA May 23, 1984
BT1 Atmospheric Explosions
BT2 Explosions
BT1 Castle Project
BT2 Nuclear Explosions
BT3 Explosions
RT Bikini

ROOF BOLTS
DA July 7, 1976
BT1 Mining Equipment
BT2 Equipment
RT Strata Control
RT Supports

ROOF PONDS
DA February 27, 1979
BT1 Passive Solar Cooling Systems
BT2 Solar Cooling Systems
BT3 Solar Equipment
BT4 Equipment
BT1 Passive Solar Heating Systems
BT2 Solar Heating Systems
BT3 Heating Systems
BT4 Energy Systems
BT3 Solar Equipment
BT4 Equipment
BT1 Solar Ponds
BT2 Ponds
BT3 Surface Waters
BT2 Solar Collectors
BT3 Solar Equipment
BT4 Equipment
RT Roofs

ROOFS [01]
DA September 11, 1975
RT Buildings
RT Roof Ponds

ROOM AND PILLAR MINING [01]
DA July 23, 1977
BT1 Underground Mining
BT2 Mining
RT Coal Mining

ROOPPUR REACTOR [01]
DA December 1, 1974
UF *RNPP-Rooppur Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

ROOSEVELT HOT SPRINGS [01]
DA January 30, 1979
BT1 KGRA
BT1 Utah
BT2 USA
BT3 Developed Countries
BT3 North America
RT Geothermal Fields

ROOT ABSORPTION [01]
DA December 1, 1974
UF *Absorption (Root)*
BT1 Absorption
BT2 Sorption
BT1 Uptake
RT Roots

ROOTS [01]
DA December 1, 1974
RT Plants
RT Root Absorption
RT Soils

ROPE PROCESS
(Recycle Oil Pyrolysis Extraction.)
DA October 6, 1989
RT Oil Sands
RT Oil Shales
RT Pyrolysis
RT Retorting

Roper Resonance
DA December 1, 1974
USE N-1440 Baryons

ROPES
DA October 30, 1978
RT Cables
RT Chains
RT Wires

RORT
DA October 23, 1978
USE Radial-Outflow Reaction Turbines

ROSACEAE [01]
(Rose family.)
DA June 5, 1989
BT1 Magnoliopsida
BT2 Magnoliophyta
BT3 Plants
RT Apples
RT Apricots
RT Cherries
RT Peaches
RT Pears
RT Plums
RT Raspberries
RT Strawberries

ROSE BENGAL [01]
DA December 1, 1974
BT1 Dyes
BT1 Hydroxy Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT1 Indicators
BT1 Organic Chlorine Compounds
BT2 Organic Halogen Compounds
BT3 Organic Compounds
BT1 Organic Iodine Compounds
BT2 Organic Halogen Compounds
BT3 Organic Compounds
BT1 Reagents
RT Phthalic Acid

ROSE-METAL [01]
DA December 1, 1974
BT1 Bismuth Alloys
BT2 Alloys
BT1 Lead Alloys
BT2 Alloys
BT1 Tin Alloys
BT2 Alloys

ROSE PROCESS
DA August 25, 1976
RT Residual Fuels
DEF Residuum Oil Supercritical Extraction process involves use of variety of selective solvents for extractive treatment of reduced crude oils and vacuum residues.

Rosenblum Counters
DA December 1, 1974
USE Spark Counters

ROSENBLUTH FORMULA [01]
DA December 1, 1974
RT Cross Sections
RT Elastic Scattering
RT Four Momentum Transfer

ROSENBLUTH-NELKIN MODEL [01]
DA December 1, 1974
RT Neutrons
RT Transport Theory

ROSENFELD FORCE [01]
DA December 1, 1974
UF *Rosenfeld Mixture*
RT Nucleon-Nucleon Potential
RT Nucleons
RT Potentials

Rosenfeld Mixture
DA December 1, 1974
USE Rosenfeld Force

ROSPO REACTOR [01]
DA December 1, 1974
UF *Casaccia ROSPO Reactor*
UF *Reattore Organico Sperimentale Potenza Zero*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Organic Moderated Reactors
BT2 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

ROSSELAND APPROXIMATION [01]
DA December 1, 1974
RT Boundary Layers
RT Heat Transfer
RT Thermal Radiation

Rossendorf Assembly for Critical Experiments
DA September 11, 1975
USE RAKE-2 Reactor

Rossendorf ZFK
DA May 17, 1991
USE ZFK Rossendorf

ROSSI ALPHA METHOD [01]
DA December 1, 1974
RT Reactor Period

ROTAMAK DEVICES [01]
(A compact torus device in which a rotating magnetic field is used to maintain the toroidal plasma current.)
DA September 5, 1986
BT1 Compact Torus
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices
BT2 Tori

ROTARY DRILLING [01]
DA March 8, 1977
BT1 Drilling
RT Drilling Equipment
RT Drilling Fluids
RT Rock Drilling
RT Well Drilling

ROTARY DRILLS [01]
DA March 8, 1977
BT1 Drills
BT2 Drilling Equipment
BT3 Equipment
NT1 Turbodrills
RT Drill Bits
RT Rock Drilling
RT Well Drilling

ROTARY ENGINES [01]
DA October 1, 1975
BT1 Internal Combustion Engines
BT2 Heat Engines
BT3 Engines
NT1 Wankel Engines
RT Helical Rotary Screw Expander
RT KROV Machine

ROTARY SEPARATOR TURBINES
DA March 4, 1980
BT1 Turbines
BT2 Turbomachinery
BT3 Machinery
BT4 Equipment
RT Total Flow Systems

ROTATING CRYSTAL METHOD [01]
DA December 1, 1974
BT1 Diffraction Methods
RT Weissenberg Method

ROTATING DISK REMOVAL SYSTEMS
DA January 23, 1978
BT1 Pollution Control Equipment
BT2 Equipment
RT Oil Spills
RT Water Pollution Control

ROTATING GENERATORS [01]
DA December 1, 1974
BT1 Electric Generators
BT1 Electrical Equipment
BT2 Equipment

ROTATING PLASMA [01]
DA September 22, 1981
BT1 Plasma

ROTATION [01]
DA December 1, 1974
BT1 Motion
RT Angular Momentum
RT Backbending
RT Coriolis Force
RT Guiding-Center Approximation
RT Gyroscopes
RT Moment of Inertia
RT Precession
RT Shafts

→**ROTATION-VIBRATION MODEL [01]**
DA December 5, 1991
BT1 Collective Model
BT2 Nuclear Models
BT3 Mathematical Models
RT Deformed Nuclei
RT Rotational States
RT Vibrational States

Rotational Band
DA December 1, 1974
USE Rotational States

ROTATIONAL INVARIANCE [01]
DA December 1, 1974
BT1 Invariance Principles
RT Axial Symmetry

ROTATIONAL STATES [01]
DA December 1, 1974
UF *Rotational Band*
BT1 Excited States
BT2 Energy Levels
RT Backbending
RT Rotation-Vibration Model

ROTATIONAL TRANSFORM [01]
DA April 15, 1975
RT Magnetic Fields
RT Magnetic Flux Coordinates
RT Magnetic Surfaces
RT Sawtooth Oscillations
RT Shear
RT Thermonuclear Devices
RT Tori
DEF The displacement of a magnetic line of force in a single circuit about a toroidal tube so that it does not close upon itself. The stellarator device is based on this kind of field configuration.

ROTIFERA [01]
DA April 28, 1983
BT1 Aquatic Organisms
BT1 Invertebrates
BT2 Animals
RT Aquatic Ecosystems
RT Fresh Water
DEF A phylum of multicellular animals in the subkingdom Eumetazoa.

Rotliegende Epoch
DA October 20, 1977
USE Permian Period

ROTONS [01]
DA December 1, 1974
BT1 Quasi Particles
RT Landau Liquid Helium Theory

ROTORS [01]
DA December 1, 1974
NT1 Darrieus Rotors
NT1 Madaras Rotors
NT1 Savonius Rotors
NT1 Tipvane Rotors
RT Armatures
RT Flywheels
RT KROV Machine

RT Machine Parts
RT Shafts
RT Stators

Rotterdam Spot Market
DA December 10, 1979
USE Spot Market

Rough Vacuum
DA December 1, 1974
USE Low Pressure

ROUGHNESS [01]
DA December 1, 1974
UF *Smoothness*
BT1 Surface Properties

Rous Sarcoma Virus
DA August 19, 1975
USE Oncogenic Viruses

ROUTING [01]
DA September 15, 1983
UF *Transportation Routes*
RT Evacuation
RT External Zones
RT Radioactive Materials
RT Rail Transport
RT Road Transport
RT Waste Transportation

ROVER REACTORS [01]
DA December 1, 1974
UF *Rocket Reactor Experiment Rover*
BT1 Experimental Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Space Propulsion Reactors
BT2 Propulsion Reactors
BT3 Reactors
BT2 Space Power Reactors
BT3 Mobile Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors

ROVNO-1 REACTOR [01]
DA April 6, 1978
BT1 WWER Type Reactors
BT2 PWR Type Reactors
BT3 Enriched Uranium Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors
BT3 Thermal Reactors
BT4 Reactors
BT3 Water Cooled Reactors
BT4 Reactors
BT3 Water Moderated Reactors
BT4 Reactors

ROVNO-2 REACTOR [01]
DA April 6, 1978
BT1 WWER Type Reactors
BT2 PWR Type Reactors
BT3 Enriched Uranium Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors
BT3 Thermal Reactors
BT4 Reactors
BT3 Water Cooled Reactors
BT4 Reactors
BT3 Water Moderated Reactors
BT4 Reactors

ROVNO-3 REACTOR [01]
DA April 6, 1978
BT1 WWER Type Reactors
BT2 PWR Type Reactors
BT3 Enriched Uranium Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors
BT3 Thermal Reactors
BT4 Reactors
BT3 Water Cooled Reactors
BT4 Reactors
BT3 Water Moderated Reactors
BT4 Reactors

ROVNO-4 REACTOR [01]
DA September 20, 1984
BT1 WWER Type Reactors
BT2 PWR Type Reactors
BT3 Enriched Uranium Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors
BT3 Thermal Reactors
BT4 Reactors
BT3 Water Cooled Reactors
BT4 Reactors
BT3 Water Moderated Reactors
BT4 Reactors

ROVNO-5 REACTOR [01]
DA September 20, 1984
BT1 WWER Type Reactors
BT2 PWR Type Reactors
BT3 Enriched Uranium Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors
BT3 Thermal Reactors
BT4 Reactors
BT3 Water Cooled Reactors
BT4 Reactors
BT3 Water Moderated Reactors
BT4 Reactors

ROWE YANKEE REACTOR [01]
DA December 1, 1974
UF *Yankee Rowe Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

ROXBY DOWNS DEPOSIT [01]
DA January 9, 1981
BT1 Uranium Deposits
BT2 Geologic Deposits
BT2 Mineral Resources
BT3 Resources
RT Olympic Dam Mine
RT South Australia
RT Uranium Ores

ROYAL JELLY [01]
DA December 1, 1974
BT1 Radioprotective Substances
BT2 Drugs
RT Bees

ROYALTIES
DA November 14, 1978
BT1 Income
RT Economics
RT Mineral Resources
RT Profits
DEF Share of the product or profit reserved by the grantor or payment made for articles sold under patent.

RP-10 REACTOR [01]
(Peruvian Nuclear Energy Institute, Lima, Peru.)
DA October 2, 1987
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors

RPL DOSEMETERS [01]
DA December 1, 1974
UF *Fluorod*
UF *Glass Dosemeters*
UF *Radiophotoluminescent Dosemeters*
BT1 Luminescent Dosemeters
BT2 Dosemeters
BT3 Measuring Instruments
RT Phosphate Glass

RPT REACTOR [01]
(Moscow, USSR.)
DA December 1, 1974
UF *MR-2 Moscow Reactor*
UF *Physical and Technical Research Reactor Moscow*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 LWGR Type Reactors
BT2 Graphite Moderated Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT1 Mixed Spectrum Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors

RSCW Reactor
DA December 1, 1974
USE WSUR Reactor

RSI Avogadro Reactor
DA December 1, 1974
USE Avogadro RS-1 Reactor

RTP REACTOR [01]
(Reaktor TRIGA PUSPATI)
DA December 27, 1984
UF *PUSPATI TRIGA Reactor*
UF *Reactor Triga Puspati*
UF *TRIGA PUSPATI Reactor*
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 TRIGA Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Hydride Moderated Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Solid Homogeneous Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

→**RTP TOKAMAK [01]**
(Rijnhuizen Tokamak Project, Netherlands.)
DA August 30, 1993
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

RTR Method
DA February 11, 1980
USE Ribbon to Ribbon Method

RTR REACTOR [01]
DA December 1, 1974
UF *Resonance Test Reactor Savannah*
UF *Savannah River Lab RTR Reactor*
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Production Reactors
BT2 Reactors

RTS-1 REACTOR [01]
(Centre for Military Applications of Nuclear Energy, Pisa, Italy.)
DA December 1, 1974
UF *Galileo Galilei Italy*
UF *San Piero a Grado Pisa Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors

BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors

Rubber (Natural)
DA December 1, 1974
USE Natural Rubber

RUBBER INDUSTRY [01]
DA May 23, 1980
BT1 Industry
RT Rubbers

RUBBER TREES [01]
DA January 22, 1975
BT1 Euphorbia
BT2 Magnoliopsida
BT3 Magnoliophyta
BT4 Plants
BT1 Trees
BT2 Plants
NT1 Guayule
RT Natural Rubber

RUBBERS [01]
DA December 1, 1974
BT1 Elastomers
BT2 Polymers
BT1 Organic Polymers
BT2 Organic Compounds
BT2 Polymers
NT1 Buna
NT1 Latex
NT1 Natural Rubber
NT1 Silastic
NT1 Viton
RT Dielectric Materials
RT Ethylene Propylene Diene Polymers
RT Rubber Industry
RT Synthetic Materials
RT Vulcanization

Rubella Virus
DA May 6, 1980
USE Measles Virus

Rubeola
DA August 24, 1976
USE Measles

Rubeola Virus
DA May 6, 1980
USE Measles Virus

RUBIDIUM [01]
DA December 1, 1974
BT1 Alkali Metals
BT2 Metals
BT3 Elements

RUBIDIUM 73
DA June 22, 1980
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rubidium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes

RUBIDIUM 74 [01]
DA October 20, 1977
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rubidium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes

RUBIDIUM 75 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rubidium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RUBIDIUM 76 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Microsec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rubidium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RUBIDIUM 77 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rubidium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes

RUBIDIUM 78 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rubidium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes

RUBIDIUM 79 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rubidium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes

RUBIDIUM 80 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rubidium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RUBIDIUM 81 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rubidium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes

RUBIDIUM 82 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei

BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd Odd Nuclei
BT2 Nuclei
BT1 Rubidium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes

RUBIDIUM 83 [01]
DA December 1, 1974
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rubidium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes

RUBIDIUM 84 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rubidium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes

RUBIDIUM 84 TARGET [01]
DA August 24, 1976
BT1 Targets

RUBIDIUM 85 [01]
DA December 1, 1974
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Nanosec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rubidium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

RUBIDIUM 85 TARGET [01]
DA July 9, 1976
BT1 Targets

RUBIDIUM 86 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rubidium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes

RUBIDIUM 87 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rubidium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RUBIDIUM 87 TARGET [01]
DA July 9, 1976
BT1 Targets

RUBIDIUM 88 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rubidium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes

RUBIDIUM 88 TARGET [01]
DA August 12, 1980
BT1 Targets

RUBIDIUM 89 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rubidium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes

RUBIDIUM 90 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rubidium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes

RUBIDIUM 91 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rubidium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RUBIDIUM 92 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rubidium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RUBIDIUM 93 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rubidium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RUBIDIUM 94 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rubidium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RUBIDIUM 95 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rubidium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RUBIDIUM 96 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rubidium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes

RUBIDIUM 97 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rubidium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RUBIDIUM 98 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rubidium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes

RUBIDIUM 99 [01]
DA January 22, 1975
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rubidium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes

RUBIDIUM 100 [01]
DA November 11, 1975
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rubidium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes

RUBIDIUM 101 [01]
DA April 4, 1975
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rubidium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes

RUBIDIUM 102 [01]
DA April 4, 1975
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rubidium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes

RUBIDIUM 103 [01]
DA July 8, 1982
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rubidium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes

RUBIDIUM ADDITIONS [01]
DA December 1, 1974
BT1 Rubidium Alloys
BT2 Alloys

RUBIDIUM ALLOYS [01]
DA December 1, 1974
BT1 Alloys
NT1 Rubidium Additions
NT1 Rubidium Base Alloys

RUBIDIUM BASE ALLOYS [01]
DA December 1, 1974
BT1 Rubidium Alloys
BT2 Alloys

RUBIDIUM BROMIDES [01]
DA December 1, 1974
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Rubidium Compounds
BT2 Alkali Metal Compounds

RUBIDIUM CARBIDES [01]
DA March 22, 1976
BT1 Carbides
BT2 Carbon Compounds
BT1 Rubidium Compounds
BT2 Alkali Metal Compounds

RUBIDIUM CARBONATES [01]
DA December 1, 1974
BT1 Carbonates
BT2 Carbon Compounds
BT2 Oxygen Compounds
BT1 Rubidium Compounds
BT2 Alkali Metal Compounds

RUBIDIUM CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Rubidium Compounds
BT2 Alkali Metal Compounds

RUBIDIUM COMPLEXES [01]
DA December 1, 1974
BT1 Alkali Metal Complexes
BT2 Complexes

RUBIDIUM COMPOUNDS [01]
DA December 1, 1974
BT1 Alkali Metal Compounds
NT1 Rubidium Bromides
NT1 Rubidium Carbides
NT1 Rubidium Carbonates
NT1 Rubidium Chlorides
NT1 Rubidium Fluorides
NT1 Rubidium Hydrides
NT1 Rubidium Hydroxides
NT1 Rubidium Iodides
NT1 Rubidium Nitrates
NT1 Rubidium Oxides
NT1 Rubidium Perchlorates
NT1 Rubidium Phosphates
NT1 Rubidium Selenides
NT1 Rubidium Silicates
NT1 Rubidium Silicides
NT1 Rubidium Sulfates
NT1 Rubidium Sulfides
NT1 Rubidium Tellurides
NT1 Rubidium Tungstates
NT1 Rubidium Uranates

RUBIDIUM FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Rubidium Compounds
BT2 Alkali Metal Compounds

RUBIDIUM HYDRIDES [01]
DA December 1, 1974
BT1 Hydrides
BT2 Hydrogen Compounds
BT1 Rubidium Compounds
BT2 Alkali Metal Compounds

RUBIDIUM HYDROXIDES [01]
DA December 1, 1974
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds
BT1 Rubidium Compounds
BT2 Alkali Metal Compounds

RUBIDIUM IODIDES [01]
DA December 1, 1974
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds
BT1 Rubidium Compounds
BT2 Alkali Metal Compounds

RUBIDIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

RUBIDIUM ISOTOPES [01]
DA December 1, 1974
BT1 Alkali Metal Isotopes
BT2 Isotopes
NT1 Rubidium 73
NT1 Rubidium 74
NT1 Rubidium 75
NT1 Rubidium 76
NT1 Rubidium 77
NT1 Rubidium 78
NT1 Rubidium 79
NT1 Rubidium 80
NT1 Rubidium 81
NT1 Rubidium 82

NT1 Rubidium 83
NT1 Rubidium 84
NT1 Rubidium 85
NT1 Rubidium 86
NT1 Rubidium 87
NT1 Rubidium 88
NT1 Rubidium 89
NT1 Rubidium 90
NT1 Rubidium 91
NT1 Rubidium 92
NT1 Rubidium 93
NT1 Rubidium 94
NT1 Rubidium 95
NT1 Rubidium 96
NT1 Rubidium 97
NT1 Rubidium 98
NT1 Rubidium 99
NT1 Rubidium 100
NT1 Rubidium 101
NT1 Rubidium 102
NT1 Rubidium 103

RUBIDIUM NITRATES [01]
DA December 1, 1974
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds
BT1 Rubidium Compounds
BT2 Alkali Metal Compounds

RUBIDIUM OXIDES [01]
DA December 1, 1974
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds
BT1 Rubidium Compounds
BT2 Alkali Metal Compounds

RUBIDIUM PERCHLORATES [01]
DA January 31, 1975
BT1 Perchlorates
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Oxygen Compounds
BT1 Rubidium Compounds
BT2 Alkali Metal Compounds

RUBIDIUM PHOSPHATES [01]
DA December 1, 1974
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds
BT1 Rubidium Compounds
BT2 Alkali Metal Compounds

RUBIDIUM SELENIDES [01]
DA September 5, 1980
BT1 Rubidium Compounds
BT2 Alkali Metal Compounds
BT1 Selenides
BT2 Chalcogenides
BT2 Selenium Compounds

RUBIDIUM SILICATES [01]
DA November 1, 1976
BT1 Rubidium Compounds
BT2 Alkali Metal Compounds
BT1 Silicates
BT2 Oxygen Compounds
BT2 Silicon Compounds

RUBIDIUM SILICIDES [01]
DA January 10, 1977
BT1 Rubidium Compounds
BT2 Alkali Metal Compounds
BT1 Silicides
BT2 Silicon Compounds

RUBIDIUM SULFATES [01]
DA December 1, 1974
BT1 Rubidium Compounds
BT2 Alkali Metal Compounds
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds

RUBIDIUM SULFIDES [01]
DA February 19, 1976
BT1 Rubidium Compounds
BT2 Alkali Metal Compounds
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds

RUBIDIUM TELLURIDES [01]
DA May 3, 1979
BT1 Rubidium Compounds
BT2 Alkali Metal Compounds
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds

RUBIDIUM TUNGSTATES [01]
DA January 22, 1975
BT1 Rubidium Compounds
BT2 Alkali Metal Compounds
BT1 Tungstates

RUBIDIUM URANATES [01]
DA August 19, 1975
BT1 Rubidium Compounds
BT2 Alkali Metal Compounds
BT1 Uranates
BT2 Uranium Compounds
BT3 Actinide Compounds

RUBREDOXIN
DA August 24, 1982
BT1 Metalloproteins
BT2 Proteins
BT3 Organic Compounds
RT Ferredoxin
RT Iron Complexes

RUBY [01]
DA December 1, 1974
BT1 Corundum
BT2 Oxide Minerals
BT3 Minerals

RUBY LASERS [01]
DA December 1, 1974
BT1 Solid State Lasers
BT2 Lasers

RUDERMAN-KITTEL COUPLING [01]
DA December 1, 1974
BT1 Coupling

RUDSTAM FORMULA [01]
DA December 1, 1974
RT Spallation

RUHR 100 GASIFICATION PROCESS
DA April 7, 1983
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes
DEF The Ruhr 100 gasifier is basically a Lurgi type gasifier with modifications for high pressure operation.

RULISON EVENT [01]
DA December 1, 1974
BT1 Mandrel Operation
BT2 Nuclear Explosions
BT3 Explosions
BT2 Underground Explosions
BT3 Explosions
BT1 Plowshare Project
RT Natural Gas
RT Oil Shales

RUM JUNGLE PROJECT
DA December 1, 1974
BT1 Mines
BT2 Underground Facilities

Rumania
DA December 1, 1974
USE Romania

Rumen
DA December 1, 1974
USE Ruminants
AND Stomach

RUMINANTS [01]
DA December 1, 1974
UF+ *Rumen*
BT1 Mammals
BT2 Vertebrates
BT3 Animals
NT1 Antelopes
NT1 Buffalo
NT1 Camels
NT1 Cattle
NT2 Calves
NT2 Cows
NT1 Deer
NT1 Goats
NT1 Llamas
NT1 Sheep

Runaway (Reactor Accident)
DA December 1, 1974
USE Excursions

RUNAWAY ELECTRONS [01]
DA December 1, 1974
BT1 Electrons
BT2 Leptons
BT3 Elementary Particles
BT3 Fermions

RUNGE-KUTTA METHOD [01]
DA August 7, 1978
BT1 Iterative Methods
BT2 Calculation Methods
BT1 Numerical Solution
RT Differential Equations
RT Mathematics
DEF A method for the numerical solution of an ordinary differential equation.

RUNOFF [01]
DA July 5, 1978
BT1 Environmental Transport
BT2 Mass Transfer
RT Atmospheric Precipitations
RT Drainage
RT Floods
RT Interception
RT Rain Water
RT Settling Ponds
RT Storms
RT Throughfall
RT Watersheds

Rupture Disks
DA June 12, 1975
USE Relief Valves

RUPTURES [01]
DA December 1, 1974
BT1 Failures
RT Fracture Properties
RT Fractures

RURAL AREAS [01]
DA December 1, 1974
RT Boom Towns
RT Remote Areas
RT Residential Sector
RT Rural Energy Centers
RT Rural Populations

Rural Electrification Administration
DA September 6, 1979
USE US REA

RURAL ENERGY CENTERS
DA August 9, 1977
RT Developing Countries
RT Energy Facilities
RT Energy Parks
RT Rural Areas
DEF Centers to improve the basic living environment by exploiting renewable energy at the rural level.

RURAL POPULATIONS [01]
DA December 1, 1974
BT1 Human Populations
BT2 Populations
RT Rural Areas

Russell-Saunders Coupling
DA December 1, 1974
USE L-S Coupling

Russellville-1 Arkansas Reactor
DA December 1, 1974
USE Arkansas-1 Reactor

Russellville-2 Arkansas Reactor
DA December 1, 1974
USE Arkansas-2 Reactor

→**RUSSIAN FEDERATION [01]**
(Prior to December 1992, this was indexed by USSR.)
DA December 3, 1992
BT1 Eastern Europe
BT2 Europe
NT1 Kamchatka
NT1 Siberia
RT USSR

Russian Thistle
DA April 17, 1981
USE Tumbleweeds

RUTHENIUM [01]
DA December 1, 1974
BT1 Platinum Metals
BT2 Transition Elements
BT3 Metals
BT4 Elements

RUTHENIUM 91 [01]
DA September 15, 1983
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Ruthenium Isotopes
BT2 Isotopes

RUTHENIUM 92 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Ruthenium Isotopes
BT2 Isotopes

RUTHENIUM 93 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Ruthenium Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RUTHENIUM 94 [01]
DA December 1, 1974
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Ruthenium Isotopes
BT2 Isotopes

RUTHENIUM 95 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Ruthenium Isotopes
BT2 Isotopes

RUTHENIUM 96 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Ruthenium Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

RUTHENIUM 96 TARGET [01]
DA July 9, 1976
BT1 Targets

RUTHENIUM 97 [01]
DA December 1, 1974
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Ruthenium Isotopes
BT2 Isotopes

RUTHENIUM 98 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Ruthenium Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

RUTHENIUM 98 TARGET [01]
DA February 23, 1979
BT1 Targets

RUTHENIUM 99 [01]
DA December 1, 1974
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Ruthenium Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

RUTHENIUM 99 TARGET [01]
DA December 20, 1978
BT1 Targets

RUTHENIUM 100 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Ruthenium Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

RUTHENIUM 100 TARGET [01]
DA July 9, 1976
BT1 Targets

RUTHENIUM 101 [01]
DA December 1, 1974
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Ruthenium Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

RUTHENIUM 101 TARGET [01]
DA November 1, 1976
BT1 Targets

RUTHENIUM 102 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Ruthenium Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

RUTHENIUM 102 TARGET [01]
DA July 9, 1976
BT1 Targets

RUTHENIUM 103 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Ruthenium Isotopes
BT2 Isotopes

RUTHENIUM 103 TARGET [01]
DA August 21, 1981
BT1 Targets

RUTHENIUM 104 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Ruthenium Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

RUTHENIUM 104 REACTIONS [01]
DA September 20, 1984
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

RUTHENIUM 104 TARGET [01]
DA July 9, 1976
BT1 Targets

RUTHENIUM 105 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei

BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Ruthenium Isotopes
BT2 Isotopes

RUTHENIUM 106 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Ruthenium Isotopes
BT2 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RUTHENIUM 106 TARGET
DA August 21, 1981
BT1 Targets

RUTHENIUM 107 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Ruthenium Isotopes
BT2 Isotopes

RUTHENIUM 108 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Ruthenium Isotopes
BT2 Isotopes

RUTHENIUM 109 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Ruthenium Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RUTHENIUM 110 [01]
DA May 15, 1975
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Ruthenium Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RUTHENIUM 111 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Ruthenium Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RUTHENIUM 112 [01]
DA February 19, 1975
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Ruthenium Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

RUTHENIUM 113 [01]
DA February 23, 1979
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Ruthenium Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

→**RUTHENIUM 114 [01]**
DA March 11, 1993
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Ruthenium Isotopes
BT2 Isotopes

RUTHENIUM ADDITIONS [01]
DA December 1, 1974
BT1 Ruthenium Alloys
BT2 Platinum Metal Alloys
BT3 Alloys

RUTHENIUM ALLOYS [01]
DA December 1, 1974
BT1 Platinum Metal Alloys
BT2 Alloys
NT1 Ruthenium Additions
NT1 Ruthenium Base Alloys

RUTHENIUM ARSENIDES [01]
DA June 14, 1984
BT1 Arsenides
BT2 Arsenic Compounds
BT2 Pnictides
BT1 Ruthenium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

RUTHENIUM BASE ALLOYS [01]
DA December 1, 1974
BT1 Ruthenium Alloys
BT2 Platinum Metal Alloys
BT3 Alloys

RUTHENIUM BORIDES [01]
DA January 22, 1975
BT1 Borides
BT2 Boron Compounds
BT1 Ruthenium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

RUTHENIUM BROMIDES [01]
DA October 20, 1977
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Ruthenium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

RUTHENIUM CARBIDES [01]
DA December 1, 1974
BT1 Carbides
BT2 Carbon Compounds
BT1 Ruthenium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

RUTHENIUM CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Ruthenium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

RUTHENIUM COMPLEXES [01]
DA December 1, 1974
BT1 Transition Element Complexes
BT2 Complexes

RUTHENIUM COMPOUNDS [01]
DA December 1, 1974
BT1 Refractory Metal Compounds
BT1 Transition Element Compounds
NT1 Ruthenium Arsenides
NT1 Ruthenium Borides
NT1 Ruthenium Bromides
NT1 Ruthenium Carbides
NT1 Ruthenium Chlorides
NT1 Ruthenium Fluorides
NT1 Ruthenium Hydrides
NT1 Ruthenium Hydroxides
NT1 Ruthenium Nitrates
NT1 Ruthenium Nitrides
NT1 Ruthenium Nitrosyls
NT1 Ruthenium Oxides
NT1 Ruthenium Phosphides
NT1 Ruthenium Selenides
NT1 Ruthenium Silicides
NT1 Ruthenium Sulfates
NT1 Ruthenium Sulfides
NT1 Ruthenium Tellurides

RUTHENIUM FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Ruthenium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

RUTHENIUM HYDRIDES [01]
DA October 28, 1975
BT1 Hydrides
BT2 Hydrogen Compounds
BT1 Ruthenium Compounds

BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

RUTHENIUM HYDROXIDES [01]
DA December 1, 1974
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds
BT1 Ruthenium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

RUTHENIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

RUTHENIUM ISOTOPES [01]
DA December 1, 1974
BT1 Isotopes
NT1 Ruthenium 91
NT1 Ruthenium 92
NT1 Ruthenium 93
NT1 Ruthenium 94
NT1 Ruthenium 95
NT1 Ruthenium 96
NT1 Ruthenium 97
NT1 Ruthenium 98
NT1 Ruthenium 99
NT1 Ruthenium 100
NT1 Ruthenium 101
NT1 Ruthenium 102
NT1 Ruthenium 103
NT1 Ruthenium 104
NT1 Ruthenium 105
NT1 Ruthenium 106
NT1 Ruthenium 107
NT1 Ruthenium 108
NT1 Ruthenium 109
NT1 Ruthenium 110
NT1 Ruthenium 111
NT1 Ruthenium 112
NT1 Ruthenium 113
NT1 Ruthenium 114

RUTHENIUM NITRATES [01]
DA December 1, 1974
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds
BT1 Ruthenium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

RUTHENIUM NITRIDES [01]
DA December 16, 1975
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides
BT1 Ruthenium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

RUTHENIUM NITROSYLS [01]
DA December 1, 1974
BT1 Ruthenium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

RUTHENIUM OXIDES [01]
DA December 1, 1974
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds
BT1 Ruthenium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

RUTHENIUM PHOSPHIDES [01]
DA January 22, 1975
BT1 Phosphides
BT2 Phosphorus Compounds
BT2 Pnictides
BT1 Ruthenium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

RUTHENIUM SE ENIDES [01]
DA April 19, 1976
BT1 Ruthenium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Selenides
BT2 Chalcogenides
BT2 Selenium Compounds

RUTHENIUM SILICIDES [01]
DA October 25, 1985
BT1 Ruthenium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Silicides
BT2 Silicon Compounds

RUTHENIUM SULFATES [01]
DA December 1, 1974
BT1 Ruthenium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds

RUTHENIUM SULFIDES [01]
DA December 20, 1978
BT1 Ruthenium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds

RUTHENIUM TELLURIDES [01]
DA March 4, 1977
BT1 Ruthenium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds

RUTHERFORD SCATTERING [01]
DA December 1, 1974
BT1 Elastic Scattering
BT2 Scattering

RUTHERFORDITE [01]
DA December 1, 1974
BT1 Carbonate Minerals
BT2 Minerals
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
RT Uranium Carbonates

RUTILE [01]
DA December 1, 1974
BT1 Oxide Minerals
BT2 Minerals
BT1 Radioactive Minerals
BT2 Minerals
BT2 Radioactive Materials
BT3 Materials
RT Titanium Oxides

RV-1 REACTOR [01]
(Venezuelan Scientific Research Institute, IVIC, Caracas, Venezuela.)
DA December 1, 1974
UF *Reactor Venezolano-1*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Materials Testing Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors

RWANDA [01]
DA December 10, 1979
BT1 Africa

RWE-Bayernwerk-B Reactor
DA May 19, 1976
USE Gundremmingen-2 Reactor

RWE-Bayernwerk-C Reactor
DA May 19, 1976
USE Gundremmingen-3 Reactor

RWE-BAYERNWERK REACTOR [01]
DA December 1, 1974
UF *Gundremminger KRB Reactor*
UF *Kernkraftwerk RWE-Bayernwerk*
UF *KRB Reactor*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

RWSU Reactor
DA December 1, 1974
USE WSUR Reactor

RYDBERG CONSTANT
DA February 5, 1975
BT1 Fundamental Constants

RYDBERG CORRECTION [01]
DA December 1, 1974
BT1 Corrections
RT Balmer Lines
RT Energy Levels
RT Energy Spectra
RT Rydberg States

RYDBERG EQUATION [01]
DA December 1, 1974
BT1 Equations

RYDBERG-KLEIN-REES METHOD [01]
DA December 1, 1974
UF *RKR Method*
BT1 Calculation Methods
RT Electronic Structure
RT Spectra
RT Vibrational States

RYDBERG STATES [01]
(Prior to April 1981, this concept was indexed to RYDBERG CORRECTION.)
DA April 17, 1981
BT1 Excited States
BT2 Energy Levels
RT Electronic Structure
RT Rydberg Correction

RYE [01]
DA December 1, 1974
UF *Secale*
BT1 Cereals
BT2 Gramineae
BT3 Liliopsida
BT4 Magnoliophyta
BT5 Plants
RT Claviceps

S1C PROTOTYPE REACTOR [01]
(General Electric, Knowles Atomic Power Lab., USA.)
DA December 1, 1974
BT1 Mobile Reactors
BT2 Reactors
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Test Reactors

BT2 Research and Test Reactors
BT3 Reactors

S2DS REACTOR [01]
DA December 1, 1974
UF *SNAP-2 Developmental System*
BT1 NaK Cooled Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors
BT1 SNAP 2 Reactor
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 SNAP Reactors
BT3 Space Power Reactors
BT4 Mobile Reactors
BT5 Reactors
BT4 Power Reactors
BT5 Reactors

S4 Reactor
DA April 22, 1975
USE Snap 4 Reactor

S8DR REACTOR [01]
DA December 1, 1974
UF *SNAP-8 Developmental Reactor*
BT1 NaK Cooled Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors
BT1 SNAP 8 Reactor
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 SNAP Reactors
BT3 Space Power Reactors
BT4 Mobile Reactors
BT5 Reactors
BT4 Power Reactors
BT5 Reactors

S8ER REACTOR [01]
DA December 1, 1974
UF *SNAP-8 Experimental Reactor*
BT1 NaK Cooled Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors
BT1 SNAP 8 Reactor
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 SNAP Reactors
BT3 Space Power Reactors
BT4 Mobile Reactors
BT5 Reactors
BT4 Power Reactors
BT5 Reactors

S8G PROTOTYPE REACTOR
DA January 22, 1975
BT1 Ship Propulsion Reactors
BT2 Propulsion Reactors
BT3 Reactors
RT Submarines

S10FS-1 REACTOR [01]
DA December 1, 1974
UF *SNAP-10A Flight System Test-1*
BT1 NaK Cooled Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors
BT1 SNAP 10 Reactor
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Potassium Cooled Reactors
BT3 Liquid Metal Cooled Reactors
BT4 Reactors
BT2 Process Heat Reactors
BT3 Reactors
BT2 SNAP Reactors
BT3 Space Power Reactors
BT4 Mobile Reactors
BT5 Reactors
BT4 Power Reactors
BT5 Reactors
BT2 Sodium Cooled Reactors
BT3 Liquid Metal Cooled Reactors
BT4 Reactors

S10FS-3 REACTOR [01]
DA December 1, 1974
UF *SNAP-10A Flight System Test-3*
BT1 NaK Cooled Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors
BT1 SNAP 10 Reactor
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Potassium Cooled Reactors
BT3 Liquid Metal Cooled Reactors
BT4 Reactors
BT2 Process Heat Reactors
BT3 Reactors
BT2 SNAP Reactors
BT3 Space Power Reactors
BT4 Mobile Reactors
BT5 Reactors
BT4 Power Reactors
BT5 Reactors
BT2 Sodium Cooled Reactors
BT3 Liquid Metal Cooled Reactors
BT4 Reactors

S10FS-4 REACTOR [01]
DA December 1, 1974
UF *SNAP-10A Flight System Test-4*
BT1 NaK Cooled Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors
BT1 SNAP 10 Reactor
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Potassium Cooled Reactors
BT3 Liquid Metal Cooled Reactors
BT4 Reactors
BT2 Process Heat Reactors
BT3 Reactors
BT2 SNAP Reactors
BT3 Space Power Reactors
BT4 Mobile Reactors
BT5 Reactors
BT4 Power Reactors
BT5 Reactors
BT2 Sodium Cooled Reactors
BT3 Liquid Metal Cooled Reactors
BT4 Reactors

S-993 Resonances
DA September 26, 1979
USE F0-975 Mesons

S-1000 Resonances
(Prior to March 1988 this was a valid descriptor.)
DA January 22, 1975
USE Mesons

S-1930 Resonances
(Prior to February 1988 this was a valid descriptor.)
DA December 1, 1974
USE X-1935 Mesons

S CENTERS [01]
DA July 6, 1978
BT1 Color Centers
BT2 Vacancies
BT3 Point Defects
BT4 Crystal Defects
BT5 Crystal Structure

S CHANNEL [01]
DA December 1, 1974
RT Mandelstam Representation
RT Particle Interactions
RT T Channel
RT U Channel

S CODES [01]
DA December 1, 1974
BT1 Computer Codes

S MATRIX [01]
DA December 1, 1974
UF *Collision Matrix*
UF *T Matrix*
BT1 Matrices
RT Analytic Functions
RT Detailed Balance Principle
RT Landau Curves
RT Quantum Field Theory
RT Scattering
RT Scattering Amplitudes
RT Singularity
RT Unitarity
RT Unitary Pole Approximation
RT Yang-Feldman Formalism

S-N DIAGRAM [01]
DA December 1, 1974
BT1 Diagrams
RT Fatigue
RT Materials Testing
RT Stresses

S PROCESS [01]
DA December 1, 1974
BT1 Star Evolution
RT Nucleosynthesis
RT Stars
DEF Slow process in stellar nucleosynthesis.

S STATES [01]
DA December 1, 1974
BT1 Energy Levels

S WAVES [01]
(For seismic waves use SEISMIC S WAVES.)
DA December 1, 1974
BT1 Partial Waves
RT Angular Momentum
RT Quantum Mechanics

S Waves (Seismic)
DA November 17, 1976
USE Seismic S Waves

SAARBERG-HOLTER PROCESS
DA May 9, 1979
BT1 Desulfurization
BT2 Chemical Reactions
RT Waste Processing
DEF A wet lime scrubbing process with additives; gypsum by-product.

SAARBERG-OTTO GASIFICATION PROCESS
DA November 9, 1977
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes
DEF High temperature process with concurrent flow carburetor operating at 25 bar and below the melting point of slag.

SAAS
(Staatliches Amt fuer Atomsicherheit und Strahlenschutz. Prior to May 1991, this was a valid descriptor.)
DA August 9, 1985
USE Bundesamt Fuer Strahlenschutz

SABOTAGE [01]
DA December 1, 1974
RT Adversaries
RT Hazards
RT Human Intrusion
RT Physical Protection
RT Safety
RT Secrecy Protection
RT Security
RT Theft
RT Vulnerability

SABUGALITE [01]
DA December 1, 1974
BT1 Aluminium Phosphates
BT2 Aluminium Compounds
BT2 Phosphates
BT3 Oxygen Compounds
BT3 Phosphorus Compounds
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
BT1 Uranium Phosphates
BT2 Phosphates
BT3 Oxygen Compounds
BT3 Phosphorus Compounds
BT2 Uranium Compounds
BT3 Actinide Compounds

SACCHARIDES [01]
DA December 1, 1974
UF *Glycides*

UF *Sugars*
UF+ *Amino Sugars*
UF+ *Aminoglycides*
BT1 Carbohydrates
BT2 Organic Compounds
NT1 Glucoproteins
NT2 Lactoferrin
NT2 Ovalbumin
NT1 Glycolipids
NT2 Cerebrosides
NT2 Gangliosides
NT1 Monosaccharides
NT2 Erythritol
NT2 Hexoses
NT3 Cycasin
NT3 Fructose
NT3 Galactose
NT3 Glucose
NT3 Hexosamines
NT4 Glucosamine
NT3 Mannose
NT3 Sorbose
NT2 Inositols
NT3 Inositol
NT2 Pentoses
NT3 Arabinose
NT3 Deoxyribose
NT3 Ribose
NT3 Ribulose
NT3 Xylose
NT2 Sedoheptulose
NT2 Sialic Acid
NT2 Sorbitol
NT1 Oligosaccharides
NT2 Disaccharides
NT3 Cellobiose
NT3 Lactose
NT3 Maltose
NT3 Melibiose
NT3 Saccharose
NT2 Raffinose
NT1 Polysaccharides
NT2 Agar
NT2 Alginic Acid
NT2 Cellophane
NT2 Cellulose
NT2 Dextran
NT2 Dextrin
NT2 Glycogen
NT2 Gum Acacia
NT2 Hemicellulose
NT3 Xylans
NT2 Inulin
NT2 Lignin
NT2 Lipopolysaccharides
NT2 Mucopolysaccharides
NT3 Chitin
NT3 Chondroitin
NT3 Heparin
NT3 Hyaluronic Acid
NT2 Mucoproteins
NT3 Haptoglobins
NT3 Intrinsic Factor
NT3 Phytohemagglutinin
NT2 Nitrocellulose
NT2 Pectins
NT2 Rayon
NT2 Starch
NT2 Viscose
NT2 Xanthum Gum
RT Glycolysis
RT Glycosuria
RT Hyperglycemia
RT Molasses
RT Sugar Industry

SACCHARIFICATION
(Prior to June 1980 this concept was indexed to HYDROLYSIS.)
DA June 6, 1980
BT1 Hydrolysis
BT2 Lysis
BT2 Solvolysis
BT3 Decomposition
BT4 Chemical Reactions
RT Fermentation
DEF Hydrolysis into a simple soluble fermentable sugar.

SACCHARIN [01]
DA December 1, 1974
BT1 Organic Oxygen Compounds
BT2 Organic Compounds
BT1 Thiazoles
BT2 Azoles
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
BT2 Organic Sulfur Compounds
BT3 Organic Compounds

SACCHAROMYCES [01]
DA December 1, 1974
BT1 Yeasts
BT2 Eumycota
BT3 Fungi
BT4 Plants
BT2 Microorganisms
NT1 Saccharomyces Cerevisiae

SACCHAROMYCES CEREVISIAE [01]
DA December 1, 1974
BT1 Saccharomyces
BT2 Yeasts
BT3 Eumycota
BT4 Fungi
BT5 Plants
BT3 Microorganisms

SACCHAROSE [01]
DA December 1, 1974
UF *Sucrose*
UF *Sugar*
BT1 Disaccharides
BT2 Oligosaccharides
BT3 Saccharides
BT4 Carbohydrates
BT5 Organic Compounds
RT Sugar Industry

Saclay (CEA)
DA December 1, 1974
USE CEA Saclay

SACLAY LINAC [01]
DA December 1, 1974
BT1 Linear Accelerators
BT2 Accelerators

Saclay Synchrotron
DA December 1, 1974
USE Saturne

SADDLE-POINT METHOD [01]
DA December 1, 1974
BT1 Calculation Methods
RT Mathematics

SAFARI-1 REACTOR [01]
(South African Atomic Energy Board, Pretoria, South Africa.)
DA December 1, 1974
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors

Safe Low Power Critical Experiment
DA January 24, 1980
USE Slowpoke Type Reactors

SAFEGUARD REGULATIONS [01]
DA December 1, 1974
BT1 Regulations
RT Nuclear Materials Possession
RT Safeguards

SAFEGUARDS [01]
DA December 1, 1974
NT1 Domestic Safeguards
NT1 IAEA Safeguards
RT Accounting
RT Atomic Energy Control
RT Denatured Fuel
RT Detection
RT Equipment Protection Devices
RT Inspection
RT Intrusion Detection Systems
RT Legal Aspects
RT Losses
RT Material Balance Area
RT Material Unaccounted For
RT Motion Detection Systems
RT Non-Proliferation Treaty
RT Nuclear Disarmament
RT Nuclear Materials Diversion
RT Nuclear Materials Management
RT Nuclear Materials Possession
RT Physical Protection
RT Physical Protection Devices
RT Proliferation
RT Safeguard Regulations
RT Strategic Points
RT Surveillance
RT Vulnerability

SAFETY [01]
(For general aspects of safety and protection of personnel.)
DA December 1, 1974
UF *Protection*
NT1 Occupational Safety
NT1 Reactor Safety
RT Accidents
RT ALARA
RT Civil Defense
RT Damage
RT Emergency Plans
RT Engineered Safety Systems
RT Failures
RT Fire Detectors
RT Fire Extinguishers
RT Fire Fighting
RT Fire Prevention
RT Hazards
RT Health Hazards
RT Human Factors
RT Human Factors Engineering
RT Injuries
RT Mine Rescue
RT Personnel
RT Quality Assurance
RT Quality Control
RT Radiation Protection
RT Sabotage
RT Safety Engineering
RT Safety Showers
RT Security
RT US Occupational Safety and Health Act
RT Working Conditions

Safety (Nuclear)
DA December 1, 1974
USE Radiation Protection

Safety (Reactor)
DA December 1, 1974
USE Reactor Safety

→**SAFETY ANALYSIS [01]**
DA March 7, 1991
RT Licensing Regulations
RT Probabilistic Estimation
RT Public Relations
RT Risk Assessment
RT Safety Reports

SAFETY ENGINEERING [01]
DA December 1, 1974
BT1 Engineering
RT Alarm Systems
RT Engineered Safety Systems
RT Fires
RT Freeze Protection
RT Hazards
RT Human Factors
RT Pressure Release
RT Reactor Safety
RT Safety
RT Seismic Isolation
RT Smoke Detectors
RT Systems Analysis

SAFETY INJECTION
DA January 30, 1975
UF *Boron Injection*
RT ECCS

→**SAFETY REPORTS [01]**
DA March 7, 1991
RT Document Types
RT Licensing Regulations
RT Safety Analysis

Safety Research Experiment Facility Reactor
DA August 24, 1976
USE SAREF Reactor

Safety Rods
DA December 1, 1974
USE Scram Rods

SAFETY SHOWERS [01]
DA April 4, 1975
UF *Emergency Showers*
UF *Showers (Safety)*
RT Burns
RT Decontamination
RT First Aid
RT Hazards
RT Radiation Protection
RT Safety
RT Washing

SAFETY STANDARDS [01]
DA December 1, 1974
BT1 Standards
NT1 Annual Limit Of Intake
NT1 Dose Limits
NT1 Maximum Acceptable Contamination
NT1 Maximum Inhalation Quantity
NT1 Maximum Permissible Activity
NT1 Maximum Permissible Body Burden
NT1 Maximum Permissible Concentration
NT1 Maximum Permissible Dose
NT1 Maximum Permissible Exposure
NT1 Maximum Permissible Intake
NT1 Maximum Permissible Level
RT Ges Fuer Reaktorsicherheit
RT Legal Aspects
RT Licensing
RT Radiation Protection
RT Reactor Safety
RT Recommendations
RT Regulations
RT Standardization

Safety Test Facility Reactor
DA November 17, 1976
USE STF Reactor

Safety Valves
DA March 12, 1985
USE Relief Valves

SAGINAW RIVER [01]
DA December 8, 1980
BT1 Rivers
BT2 Streams
BT3 Surface Waters
RT Hydroelectric Power Plants
RT Michigan

SAHA EQUATION [01]
DA December 1, 1974
UF *Saha-Langmuir Equation*
BT1 Equations
RT Electric Discharges
RT Thermodynamics

Saha-Langmuir Equation
DA December 1, 1974
USE Saha Equation

SAILS
DA August 21, 1981
RT Ships
RT Wind

SAINT ALBAN-1 REACTOR [01]
DA September 5, 1984
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

SAINT ALBAN-2 REACTOR [01]
DA September 5, 1984
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

SAINT CLAIR RIVER
DA January 22, 1975
BT1 Rivers
BT2 Streams
BT3 Surface Waters
RT Canada
RT Michigan

SAINT JOHN RIVER
DA October 28, 1975
BT1 Rivers
BT2 Streams
BT3 Surface Waters
RT Canada

SAINT LAURENT-1 REACTOR [01]
(St. Laurent Des Eaux, Loir Et Cher, France)
DA December 1, 1974
UF *EDF-4 Reactor*
BT1 Carbon Dioxide Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 GCR Type Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT2 Graphite Moderated Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

SAINT LAURENT-2 REACTOR [01]
(St. Laurent Des Eaux, Loir Et Cher, France)
DA December 1, 1974
BT1 Carbon Dioxide Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 GCR Type Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT2 Graphite Moderated Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

Saint Lawrence River
DA January 15, 1980
USE St Lawrence River

→**SAINT LUCIA [01]**
DA August 2, 1990
BT1 Developing Countries
BT1 Latin America
BT1 West Indies
BT2 Islands

→**SAINT VINCENT AND THE GRENADINES [01]**
DA June 23, 1992
BT1 Developing Countries
BT1 Latin America
BT1 West Indies
BT2 Islands

Saitama Cyclotron
DA July 7, 1983
USE IPCR Cyclotron

Salam Hypothesis
DA December 1, 1974
USE Lee-Yang Theory

SALAM-POLKINGHORNE THEORY [01]
DA December 1, 1974
RT Isospin

SALAMANDERS [01]
DA December 1, 1974
UF *Newts*
BT1 Amphibians
BT2 Aquatic Organisms
BT2 Vertebrates
BT3 Animals
NT1 Axolotl
NT1 Triturus
RT Frogs

Salary
DA June 20, 1983
USE Wages

SALEEITE [01]
DA December 1, 1974
BT1 Phosphate Minerals
BT2 Minerals
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
RT Magnesium Phosphates
RT Uranium Phosphates

SALEM-1 REACTOR [01]
(Salem, New Jersey, USA)
DA December 1, 1974
UF *Salem Nuclear Generating Station Unit-1*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

SALEM-2 REACTOR [01]
(Salem, New Jersey, USA)
DA December 1, 1974
UF *Salem Nuclear Generating Station Unit-2*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

Salem Nuclear Generating Station Unit-1
DA December 1, 1974
USE Salem-1 Reactor

Salem Nuclear Generating Station Unit-2
DA December 1, 1974
USE Salem-2 Reactor

SALES
DA May 9, 1979
RT Commodities
RT Competition
RT Exports
RT Imports
RT Marketing
RT Trade

SALICYLIC ACID [01]
DA December 1, 1974
UF *Hydroxybenzoic Acid-ortho*
BT1 Hydroxy Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
RT PAS

Saline Zone
DA October 24, 1981
USE Oil Shales
AND Piceance Creek Basin

SALINITY [01]
DA December 1, 1974
RT Brines
RT Desalination
RT Estuaries
RT Fiords
RT Salinity Gradients
RT Salts
RT Seawater

SALINITY GRADIENT POWER PLANTS
DA September 19, 1977
UF *Osmotic Power Plants*
BT1 Solar Power Plants
BT2 Power Plants
RT Seawater

SALINITY GRADIENTS
DA September 19, 1977
RT Salinity
RT Seawater

SALIVA [01]
DA December 1, 1974
BT1 Body Fluids
BT2 Biological Materials
BT3 Materials
RT Amylase
RT Salivary Glands

SALIVARY GLANDS [01]
DA December 1, 1974
BT1 Glands
BT2 Organs
BT3 Body
RT Oral Cavity
RT Saliva

SALMIN [01]
DA December 1, 1974
BT1 Protamines
BT2 Heparin Antagonists
BT3 Coagulants
BT4 Hematologic Agents
BT5 Drugs

SALMON [01]
DA December 1, 1974
BT1 Anadromous Fishes
BT2 Fishes
BT3 Aquatic Organisms
BT3 Vertebrates
BT4 Animals

SALMON EVENT [01]
DA December 1, 1974
BT1 Vela Project

SALMONELLA [01]
DA December 1, 1974
BT1 Bacteria
BT2 Microorganisms
NT1 Salmonella Typhimurium
RT Paratyphoid
RT Typhoid

SALMONELLA TYPHIMURIUM [01]
DA December 1, 1974
BT1 Salmonella
BT2 Bacteria
BT3 Microorganisms

Salsola Kali
DA April 17, 1981
USE Tumbleweeds

SALT CAVERNS [01]
DA April 11, 1979
BT1 Cavities
RT Caves
RT Gorleben Salt Dome
RT Morsleben Salt Mine
RT Salt Deposits

SALT DEPOSITS [01]
DA December 1, 1974
UF *Rock Salt*
BT1 Geologic Deposits
RT Anticlines
RT Asse Salt Mine
RT Evaporites
RT Gorleben Salt Dome
RT Halite
RT Morsleben Salt Mine
RT Radioactive Waste Disposal
RT Salt Caverns
RT Salt Vault Project
RT Underground Disposal
RT WIPP

SALT TALKS [01]
DA February 3, 1986
RT Arms Control
RT Foreign Policy
RT International Relations
RT Nuclear Disarmament
RT Treaties

Salt Transport Process
DA December 10, 1979
USE Pyrochemical Reprocessing

SALT VAULT PROJECT [01]
DA December 1, 1974
UF *Project Salt Vault*
RT Radioactive Wastes
RT Salt Deposits
RT Waste Disposal

SALTEX PROCESS [01]
DA December 1, 1974
BT1 Purex Process
BT2 Reprocessing
BT3 Separation Processes

SALTING-OUT AGENTS [01]
DA December 1, 1974
RT Precipitation
RT Solvent Extraction

SALTON SEA [01]
DA January 28, 1975
BT1 Lakes
BT2 Surface Waters
RT Geothermal Fields
RT Imperial Valley
RT Salton Sea Geothermal Field

SALTON SEA GEOTHERMAL FIELD [01]
DA July 29, 1975
BT1 Geothermal Fields
RT California
RT Salton Sea

SALTS [01]
(Use specific salts whenever possible)
DA December 1, 1974
NT1 Molten Salts
NT2 Flibe
RT Brines
RT Desalination
RT Salinity

SALYUT ORBITAL STATIONS [01]
DA December 1, 1974
BT1 Satellites
BT1 Space Vehicles
BT2 Vehicles

SAMARIUM [01]
DA December 1, 1974
BT1 Rare Earths
BT2 Metals
BT3 Elements
RT Samarium Oscillations

SAMARIUM 131 [01]
DA May 1, 1987
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Samarium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

SAMARIUM 133 [01]
DA October 20, 1977
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Samarium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

SAMARIUM 134 [01]
DA October 20, 1977
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Samarium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

SAMARIUM 135 [01]
DA October 20, 1977
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Samarium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

SAMARIUM 136 [01]
DA July 8, 1982
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei

BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Samarium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

SAMARIUM 137 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Samarium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

SAMARIUM 138 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Samarium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

SAMARIUM 139 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Samarium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

SAMARIUM 140 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Samarium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

SAMARIUM 141 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Samarium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

SAMARIUM 142 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Samarium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

SAMARIUM 143 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Samarium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

SAMARIUM 144 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Samarium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

SAMARIUM 144 REACTIONS [01]
DA August 12, 1980
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

SAMARIUM 144 TARGET [01]
DA July 9, 1976
BT1 Targets

SAMARIUM 145 [01]
DA December 1, 1974
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Samarium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

SAMARIUM 145 TARGET [01]
DA July 9, 1976
BT1 Targets

SAMARIUM 146 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Samarium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

SAMARIUM 146 TARGET [01]
DA July 12, 1976
BT1 Targets

SAMARIUM 147 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Samarium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

SAMARIUM 147 TARGET [01]
DA July 9, 1976
BT1 Targets

SAMARIUM 148 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei

BT3 Nuclei
BT1 Samarium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Stable Isotopes
BT2 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

SAMARIUM 148 TARGET [01]
DA July 9, 1976
BT1 Targets

SAMARIUM 149 [01]
DA December 1, 1974
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Samarium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

SAMARIUM 149 TARGET [01]
DA July 9, 1976
BT1 Targets

SAMARIUM 150 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Samarium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

SAMARIUM 150 TARGET [01]
DA July 9, 1976
BT1 Targets

SAMARIUM 151 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Samarium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

SAMARIUM 151 TARGET [01]
DA July 9, 1976
BT1 Targets

SAMARIUM 152 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Samarium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

SAMARIUM 152 TARGET [01]
DA July 9, 1976
BT1 Targets

SAMARIUM 153 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Samarium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

SAMARIUM 154 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Samarium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

SAMARIUM 154 REACTIONS [01]
DA August 12, 1980
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

SAMARIUM 154 TARGET [01]
DA July 9, 1976
BT1 Targets

SAMARIUM 155 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Samarium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

SAMARIUM 156 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Samarium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

SAMARIUM 157 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Samarium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

SAMARIUM 158 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Samarium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

SAMARIUM 159 [01]
DA November 20, 1986
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Samarium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

SAMARIUM 160 [01]
DA November 20, 1986
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Samarium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

SAMARIUM ADDITIONS [01]
DA December 1, 1974
BT1 Rare Earth Additions
BT2 Rare Earth Alloys
BT3 Alloys
BT1 Samarium Alloys
BT2 Rare Earth Alloys
BT3 Alloys

SAMARIUM ALLOYS [01]
DA December 1, 1974
BT1 Rare Earth Alloys
BT2 Alloys
NT1 Samarium Additions
NT1 Samarium Base Alloys

SAMARIUM ARSENIDES [01]
DA March 4, 1977
BT1 Arsenides
BT2 Arsenic Compounds
BT2 Pnictides
BT1 Samarium Compounds
BT2 Rare Earth Compounds

SAMARIUM BASE ALLOYS [01]
DA December 1, 1974
BT1 Samarium Alloys

BT2 Rare Earth Alloys
BT3 Alloys

SAMARIUM BORIDES [01]
DA December 1, 1974
BT1 Borides
BT2 Boron Compounds
BT1 Samarium Compounds
BT2 Rare Earth Compounds

SAMARIUM BROMIDES [01]
DA December 1, 1974
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Samarium Compounds
BT2 Rare Earth Compounds

SAMARIUM CARBIDES [01]
DA December 1, 1974
BT1 Carbides
BT2 Carbon Compounds
BT1 Samarium Compounds
BT2 Rare Earth Compounds

SAMARIUM CARBONATES [01]
DA December 1, 1974
BT1 Carbonates
BT2 Carbon Compounds
BT2 Oxygen Compounds
BT1 Samarium Compounds
BT2 Rare Earth Compounds

SAMARIUM CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Samarium Compounds
BT2 Rare Earth Compounds

SAMARIUM COMPLEXES [01]
DA December 1, 1974
BT1 Rare Earth Complexes
BT2 Complexes

SAMARIUM COMPOUNDS [01]
DA December 1, 1974
BT1 Rare Earth Compounds
NT1 Samarium Arsenides
NT1 Samarium Borides
NT1 Samarium Bromides
NT1 Samarium Carbides
NT1 Samarium Carbonates
NT1 Samarium Chlorides
NT1 Samarium Fluorides
NT1 Samarium Hydrides
NT1 Samarium Hydroxides
NT1 Samarium Iodides
NT1 Samarium Nitrates
NT1 Samarium Nitrides
NT1 Samarium Oxides
NT1 Samarium Perchlorates
NT1 Samarium Phosphates
NT1 Samarium Phosphides
NT1 Samarium Selenides
NT1 Samarium Silicates
NT1 Samarium Silicides
NT1 Samarium Sulfates
NT1 Samarium Sulfides
NT1 Samarium Tellurides
NT1 Samarium Tungstates

Samarium Effect
DA December 1, 1974
USE Samarium Oscillations

SAMARIUM FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Samarium Compounds
BT2 Rare Earth Compounds

SAMARIUM HYDRIDES [01]
DA December 1, 1974
BT1 Hydrides
BT2 Hydrogen Compounds
BT1 Samarium Compounds
BT2 Rare Earth Compounds

SAMARIUM HYDROXIDES [01]
DA December 1, 1974
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds
BT1 Samarium Compounds
BT2 Rare Earth Compounds

SAMARIUM IODIDES [01]
DA December 1, 1974
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds
BT1 Samarium Compounds
BT2 Rare Earth Compounds

SAMARIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

SAMARIUM ISOTOPES [01]
DA December 1, 1974
BT1 Rare Earth Isotopes
BT2 Isotopes
NT1 Samarium 131
NT1 Samarium 133
NT1 Samarium 134
NT1 Samarium 135
NT1 Samarium 136
NT1 Samarium 137
NT1 Samarium 138
NT1 Samarium 139
NT1 Samarium 140
NT1 Samarium 141
NT1 Samarium 142
NT1 Samarium 143
NT1 Samarium 144
NT1 Samarium 145
NT1 Samarium 146
NT1 Samarium 147
NT1 Samarium 148
NT1 Samarium 149
NT1 Samarium 150
NT1 Samarium 151
NT1 Samarium 152
NT1 Samarium 153
NT1 Samarium 154
NT1 Samarium 155
NT1 Samarium 156
NT1 Samarium 157
NT1 Samarium 158
NT1 Samarium 159
NT1 Samarium 160

SAMARIUM NITRATES [01]
DA December 1, 1974
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds
BT1 Samarium Compounds
BT2 Rare Earth Compounds

SAMARIUM NITRIDES [01]
DA December 1, 1974
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides
BT1 Samarium Compounds
BT2 Rare Earth Compounds

SAMARIUM OSCILLATIONS
DA February 20, 1975
UF *Samarium Effect*
BT1 Poisoning
RT Nuclear Poisons
RT Oscillations
RT Reactor Poison Removal
RT Samarium
DEF Effects of fission-product samarium on reactor operation.

SAMARIUM OXIDES [01]
DA December 1, 1974
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds
BT1 Samarium Compounds
BT2 Rare Earth Compounds

SAMARIUM PERCHLORATES [01]
DA January 22, 1975
BT1 Perchlorates
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Oxygen Compounds
BT1 Samarium Compounds
BT2 Rare Earth Compounds

SAMARIUM PHOSPHATES [01]
DA December 1, 1974
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds
BT1 Samarium Compounds
BT2 Rare Earth Compounds

SAMARIUM PHOSPHIDES [01]
DA May 25, 1979
BT1 Phosphides
BT2 Phosphorus Compounds
BT2 Pnictides
BT1 Samarium Compounds
BT2 Rare Earth Compounds

SAMARIUM SELENIDES [01]
DA August 24, 1977
BT1 Samarium Compounds
BT2 Rare Earth Compounds
BT1 Selenides
BT2 Chalcogenides
BT2 Selenium Compounds

SAMARIUM SILICATES [01]
DA December 1, 1974
BT1 Samarium Compounds
BT2 Rare Earth Compounds
BT1 Silicates
BT2 Oxygen Compounds
BT2 Silicon Compounds

SAMARIUM SILICIDES [01]
DA December 16, 1975
BT1 Samarium Compounds
BT2 Rare Earth Compounds
BT1 Silicides
BT2 Silicon Compounds

SAMARIUM SULFATES [01]
DA December 1, 1974
BT1 Samarium Compounds
BT2 Rare Earth Compounds
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds

SAMARIUM SULFIDES [01]
DA December 1, 1974
BT1 Samarium Compounds
BT2 Rare Earth Compounds
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds

SAMARIUM TELLURIDES [01]
DA August 24, 1976
BT1 Samarium Compounds
BT2 Rare Earth Compounds
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds

SAMARIUM TUNGSTATES [01]
DA November 1, 1976
BT1 Samarium Compounds
BT2 Rare Earth Compounds
BT1 Tungstates

SAMPLE CHANGERS [01]
DA December 1, 1974
RT Laboratory Equipment
RT Materials Handling
RT Remote Handling
RT Sample Holders

SAMPLE HOLDERS [01]
DA November 28, 1975
UF *Specimen Holders*
RT Remote Handling
RT Sample Changers

SAMPLE PREPARATION [01]
DA December 1, 1974
UF *Preparation (Sample)*
RT Ceramography
RT Dry Ashing
RT Electron Microscopy
RT Surface Treatments
RT Wet Ashing

SAMPLERS [01]
DA December 1, 1974
BT1 Equipment
NT1 Air Samplers
RT Filters
RT Sampling

SAMPLING [01]
DA December 1, 1974
RT Elutriation
RT Inspection
RT Quality Control
RT Samplers
RT Testing
RT Ultrafiltration

SAN ANTONIO BAY [01]
DA December 1, 1974
BT1 Gulf of Mexico
BT2 Caribbean Sea
BT3 Atlantic Ocean
BT4 Seas
BT5 Surface Waters
RT Texas

SAN BERNARDINO MOUNTAINS [01]
DA December 1, 1974
BT1 Mountains
RT California

SAN FRANCISCO BAY [01]
DA December 1, 1974
BT1 Pacific Ocean
BT2 Seas
BT3 Surface Waters
RT California

SAN JUAN POWER PLANT
DA December 16, 1976
BT1 Fossil-Fuel Power Plants
BT2 Thermal Power Plants
BT3 Power Plants

SAN ONOFRE-1 REACTOR [01]
(San Clemente, California, USA)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

SAN ONOFRE-2 REACTOR [01]
(San Clemente, California, USA)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

SAN ONOFRE-3 REACTOR [01]
(San Clemente, California, USA)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

San Piero a Grado Pisa Reactor
DA December 1, 1974
USE RTS-1 Reactor

SANCTIONS
DA December 10, 1979
BT1 Administrative Procedures

SAND [01]
DA December 1, 1974
NT1 Black Sands
RT Alluvial Deposits
RT Aquifers
RT Building Materials
RT Clays
RT Concretes
RT Deserts
RT Dunes
RT Reefs
RT Reservoir Rock
RT Sandstones
RT Silicon Oxides
RT Soils

SAND CONSOLIDATION
DA May 18, 1981
UF *Consolidation (Sand)*
RT Natural Gas Wells
RT Oil Wells
RT Well Completion

Sand Pressure
DA September 11, 1978
USE Reservoir Pressure

SAND WASH BASIN [01]
DA January 31, 1975
BT1 Colorado
BT2 USA
BT3 Developed Countries
BT3 North America
RT Green River Formation
RT Oil Shale Deposits

SANDIA LABORATORIES [01]
DA December 1, 1974
BT1 US AEC
BT2 US Organizations
BT3 National Organizations
BT1 US DOE
BT2 US Organizations
BT3 National Organizations
BT1 US ERDA
BT2 US Organizations
BT3 National Organizations
RT California

Sandia Pulse Reactor-4
DA August 11, 1982
USE SPR-4 Reactor

Sandia Pulsed Reactor-II
DA December 1, 1974
USE SPR-2 Reactor

SANDSTONE PROJECT
DA November 20, 1986
BT1 Nuclear Explosions
BT2 Explosions

SANDSTONES [01]
DA December 1, 1974
UF *Siliceous Rock*
UF+ *Tight Sands*
BT1 Sedimentary Rocks
BT2 Rocks
NT1 Graywacke
RT Interstitial Water
RT Montroseite
RT Quartzites
RT Sand
RT Siltstones

SANICRO 30
DA December 20, 1978
BT1 Alloy-Fe46Ni33Cr21
BT2 Aluminium Additions
BT3 Aluminium Alloys
BT4 Alloys
BT2 Chromium Alloys
BT3 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Incoloy Alloys
BT3 Alloys
BT2 Iron Base Alloys
BT3 Iron Alloys
BT4 Alloys
BT2 Nickel Alloys
BT3 Alloys
BT2 Titanium Additions
BT3 Titanium Alloys
BT4 Alloys

SANITARY LANDFILLS [01]
DA September 11, 1975
UF *Land Fills*
UF *Landfills*
BT1 Waste Disposal
BT2 Waste Management
BT3 Management
RT US Superfund

SANTA BARBARA CHANNEL [01]
DA January 28, 1977
BT1 Pacific Ocean
BT2 Seas
BT3 Surface Waters
RT California
RT Continental Shelf

Santa Maria de Garona Nuclear Power Plant
DA December 1, 1974
USE Garona Reactor

Santa Maria de Garona Power Reactor
DA December 1, 1974
USE Garona Reactor

SANTA ROSA DEPOSIT [01]
DA July 7, 1983
BT1 Oil Sand Deposits
BT2 Geologic Deposits
RT New Mexico
RT Oil Sands

SANTEE RIVER [01]
DA August 9, 1977
BT1 Rivers
BT2 Streams
BT3 Surface Waters
RT South Carolina

SANTOWAX [01]
DA December 1, 1974
BT1 Polyphenyls
BT2 Aromatics
BT3 Organic Compounds
BT2 Hydrocarbons
BT3 Organic Compounds
BT1 Waxes
BT2 Other Organic Compounds
BT3 Organic Compounds

SAP [01]
DA December 1, 1974
UF *Sintered Aluminum Powders*
BT1 Sintered Materials
BT2 Materials
RT Aluminium

SAPHIR REACTOR [01]
DA December 1, 1974
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors

BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

SAPONIFICATION [01]
DA December 1, 1974
BT1 Hydrolysis
BT2 Lysis
BT2 Solvolysis
BT3 Decomposition
BT4 Chemical Reactions

SAPONINS [01]
DA December 1, 1974
BT1 Glycosides
BT2 Carbohydrates
BT3 Organic Compounds

SAPPHIRE [01]
DA January 22, 1975
BT1 Corundum
BT2 Oxide Minerals
BT3 Minerals

SAPROPELIC COAL
DA May 3, 1978
BT1 Coal
BT2 Carbonaceous Materials
BT3 Materials
BT2 Fossil Fuels
BT3 Energy Sources
BT3 Fuels
NT1 Boghead Coal
NT2 Torbanite
NT1 Cannel Coal

SAR-2 Reactor
DA December 1, 1974
USE Stark Reactor

SARA CYCLOTRON [01]
DA February 10, 1984
BT1 Isochronous Cyclotrons
BT2 Cyclotrons
BT3 Cyclic Accelerators
BT4 Accelerators

SARCODINA [01]
DA June 17, 1981
BT1 Protozoa
BT2 Invertebrates
BT3 Animals
BT2 Microorganisms
NT1 Amoeba
NT1 Foraminifera

SARCOMAS [01]
DA December 1, 1974
UF+ *Chondrosarcomas*
BT1 Neoplasms
BT2 Diseases
NT1 Fibrosarcomas
NT1 Lymphosarcomas
NT1 Myosarcomas
NT2 Rhabdomyosarcomas
NT1 Osteosarcomas

SARCOPLASMIC RETICULUM
DA February 9, 1982
BT1 Endoplasmic Reticulum
BT2 Cell Constituents
RT Muscles

SARCOSINE [01]
DA December 1, 1974
UF *Methyl Glycocoll*
UF *Methylaminoacetic Acid*
BT1 Amino Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
RT Glycine

SAREF REACTOR [01]
DA August 24, 1976
UF *Safety Research Experiment Facility Reactor*
BT1 Fast Reactors
BT2 Epithermal Reactors
BT3 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

SARGASSO SEA [01]
DA December 1, 1974
BT1 Atlantic Ocean
BT2 Seas
BT3 Surface Waters

SARGENT DIAGRAMS [01]
DA December 1, 1974
BT1 Diagrams
RT Beta Decay
RT Energy

Sarson
DA December 1, 1974
USE Brassica

SASKATCHEWAN [01]
DA December 1, 1974
BT1 Canada
BT2 Developed Countries
BT2 North America
NT1 Beaverlodge
RT Athabasca Lake
RT Beaverlodge Mine
RT Cluff Lake Mine
RT Cold Lake Deposit
RT Key Lake Mine
RT Williston Basin

SASOL-II PROCESS
DA March 4, 1980
BT1 Coal Liquefaction
BT2 Liquefaction
BT3 Thermochemical Processes
RT Fischer-Tropsch Synthesis
RT Lurgi Process
RT Rectisol Process
DEF Liquefaction process based on Lurgi pressure gasification, Fischer-Topsch synthesis and Rectisol Process using circulating fluid bed reactors to produce gasoline and other refined products.

SASOL PROCESS
DA January 24, 1975
BT1 Coal Liquefaction
BT2 Liquefaction
BT3 Thermochemical Processes
DEF South African Coal, Oil, and Gas Co. Ltd. process for indirect conversion of coal to synthetic crude oil by complete gasification to CO and H followed by Fisher-Tropsch synthesis.

SATELLITE ATMOSPHERES [01]
(For atmospheres of the natural satellites.)
DA January 7, 1982
BT1 Atmospheres
NT1 Lunar Atmosphere

Satellite Power System
DA May 2, 1979
USE Orbital Solar Power Plants

Satellite Solar Power Stations
DA May 25, 1979
USE Orbital Solar Power Plants

SATELLITES [01]
DA December 1, 1974
NT1 Alouette Satellites
NT1 Ariel Satellites
NT1 Astron Satellites
NT1 ATS Satellites
NT1 Biosatellites
NT1 Early Bird Satellites
NT1 Explorer Satellites
NT1 Geos Satellites
NT1 GOES Satellites
NT1 IMP Satellites
NT1 Interkosmos Satellites
NT1 Kosmos Satellites
NT1 Landsat Satellites
NT1 MIR Orbital Station
NT1 Molniya Satellites
NT1 Moon
NT1 Nimbus Satellites
NT1 OGO Satellites
NT1 Orbiting Solar Observatories
NT1 Power Relay Satellites
NT1 Prognoz Satellites
NT1 Proton Satellites
NT1 Salyut Orbital Stations
NT1 Seasat Satellites
NT1 Skylab
RT Attitude Control
RT Orbital Solar Power Plants
RT Space Flight
RT Space Vehicles

Saturable Core Magnetometers
DA December 1, 1974
USE Fluxgate Magnetometers

SATURATION [01]
DA December 1, 1974
NT1 Gas Saturation
NT1 Oil Saturation
NT1 Supersaturation
NT1 Water Saturation
RT Solubility
RT Solutions

SATURN PLANET [01]
DA December 1, 1974
BT1 Planets

SATURNE [01]
DA December 1, 1974
UF *Saclay Synchrotron*
BT1 Synchrotrons
BT2 Cyclic Accelerators
BT3 Accelerators

SATURNE II [01]
DA January 24, 1980
BT1 Synchrotrons
BT2 Cyclic Accelerators
BT3 Accelerators

SAUDI ARABIA [01]
DA January 22, 1975
BT1 Arab Countries
BT1 Asia
BT1 Developing Countries
BT1 Middle East
RT OAPEC
RT OPEC

SAUSAGE INSTABILITY [01]
DA December 1, 1974
BT1 Plasma Macroinstabilities
BT2 Plasma Instability
BT3 Instability

Savannah (Nuclear Ship)
DA December 1, 1974
USE NS Savannah

Savannah Pressurized Subcritical Experiment
DA December 1, 1974
USE PSE Reactor

SAVANNAH REACTOR [01]
DA December 1, 1974
UF *Nuclear Ship Savannah Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Ship Propulsion Reactors
BT2 Propulsion Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
RT NS Savannah

SAVANNAH RIVER [01]
DA December 1, 1974
BT1 Rivers
BT2 Streams
BT3 Surface Waters
RT Georgia
RT South Carolina

Savannah River Lab RTR Reactor
DA December 1, 1974
USE RTR Reactor

SAVANNAH RIVER PLANT [01]
DA December 1, 1974
BT1 US AEC
BT2 US Organizations
BT3 National Organizations
BT1 US DOE
BT2 US Organizations
BT3 National Organizations
BT1 US ERDA
BT2 US Organizations
BT3 National Organizations
RT EAST Facility
RT South Carolina

Savannah River Plant C Reactor
DA November 23, 1983
USE C Reactor

Savannah River Plant K Reactor
DA December 1, 1974
USE K Reactor

Savannah River Plant L Reactor
DA May 12, 1982
USE L Reactor

Savannah River Plant P Reactor
DA December 1, 1974
USE P Reactor

Savannah River Plant R Reactor
DA December 1, 1974
USE R Reactor

Savannah River Process Development Reactor
DA December 1, 1974
USE PDP Reactor

Savannah River Test Pile-305
DA December 1, 1974
USE SR-305 Reactor

SAVANNAS
DA October 7, 1986
BT1 Terrestrial Ecosystems
BT2 Ecosystems
RT Arid Lands
RT Tropical Regions
DEF A distinct biome characterized by grassland with interspersed trees.

SAVONIUS ROTORS
DA February 19, 1976
BT1 Rotors
RT Vertical Axis Turbines

Sawada Method
DA December 1, 1974
USE Goldstone Diagrams

SAWTOOTH OSCILLATIONS [01]
DA December 5, 1988
BT1 Oscillations
RT Kink Instability
RT Magnetic Reconnection
RT Plasma
RT Plasma Confinement
RT Plasma Disruption
RT Rotational Transform
RT Stellarators
RT Tokamak Devices

Saxon-Woods Potential
DA December 1, 1974
USE Woods-Saxon Potential

SAXTON REACTOR [01]
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

SBR-1 REACTOR [01]
DA December 1, 1974
UF *BR-1 Reactor (USSR)*
UF *Soviet Breeder Reactor-1*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 LMFBR Type Reactors
BT2 FBR Type Reactors
BT3 Breeder Reactors
BT4 Reactors
BT3 Fast Reactors
BT4 Epithermal Reactors
BT5 Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors
BT1 Plutonium Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors

SBR-2 REACTOR [01]
(Obninsk, USSR.)
DA December 1, 1974
UF *BR-2 Reactor (USSR)*
UF *Soviet Breeder Reactor-2*
BT1 LMFBR Type Reactors
BT2 FBR Type Reactors
BT3 Breeder Reactors
BT4 Reactors
BT3 Fast Reactors
BT4 Epithermal Reactors
BT5 Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors
BT1 Mercury Cooled Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors
BT1 Plutonium Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors

SBR-5 REACTOR [01]
(Obninsk, USSR.)
DA December 1, 1974
UF *BR-5 Reactor (USSR)*
UF *Soviet Breeder Reactor-5*
BT1 LMFBR Type Reactors
BT2 FBR Type Reactors
BT3 Breeder Reactors
BT4 Reactors
BT3 Fast Reactors
BT4 Epithermal Reactors
BT5 Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors
BT1 Plutonium Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Sodium Cooled Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors

SCA REACTOR [01]
DA December 1, 1974
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors

SCALAR FIELDS [01]
DA December 1, 1974
RT Quantum Field Theory

SCALAR MESONS [01]
DA December 1, 1974
BT1 Mesons
BT2 Bosons
BT2 Hadrons
BT3 Elementary Particles
NT1 A0-980 Mesons
NT1 Chi0-3415 Mesons
NT1 F0-1240 Mesons
NT1 F0-1300 Mesons
NT1 F0-1590 Mesons
NT1 F0-1730 Mesons
NT1 F0-975 Mesons
NT1 K*0-1350 Mesons
RT Sigma Model

SCALARS [01]
DA December 1, 1974
RT Mathematics
RT Pseudoscalars
RT Tensors

SCALE CONTROL [01]
DA May 3, 1978
BT1 Control
RT Scaling

SCALE DIMENSION [01]
DA April 4, 1975
NT1 Anomalous Dimension
NT1 Canonical Dimension
RT Conformal Invariance
RT Quantum Field Theory
RT Scale Invariance
DEF A natural number characteristic of the scale-transformation properties of a given quantum field.

SCALE HEIGHT [01]
DA January 22, 1975
BT1 Height
BT2 Dimensions
RT Ionosphere
RT Virtual Height
DEF A measure of the relationship between density and temperature at any point in the atmosphere.

SCALE INVARIANCE [01]
DA December 1, 1974
BT1 Invariance Principles
RT Conformal Invariance
RT Particle Rapidity
RT Scale Dimension

SCALE MODELS [01]
DA February 11, 1980
UF *Models (Scale)*
BT1 Structural Models
RT Functional Models
RT Mockup
RT Scaling Laws
RT Simulators
DEF A three-dimensional representation of an object or structure containing all parts in the same proportion as their true size.

SCALERS [01]
DA December 1, 1974
UF *Scaling Units*
BT1 Electronic Equipment
BT2 Equipment
RT Counting Circuits
RT Counting Tubes
RT Pulse Techniques
RT Radiation Detectors

SCALING [01]
DA December 1, 1974
RT Corrosion

RT Corrosion Products
RT Deposition
RT Descaling
RT Precipitation
RT Scale Control
DEF Forming a thick layer of metallic oxides on metals at high temperature. Also, depositing of solid inorganic solutes from water on a metal surface, such as a cooling tube or boiler.

SCALING LAWS [01]
DA December 1, 1974
RT Calibration
RT Mathematical Models
RT Scale Models
RT Simulation

Scaling Units
DA December 1, 1974
USE Scalers

SCANDINAVIA [01]
DA December 1, 1974
BT1 Western Europe
BT2 Europe
NT1 Denmark
NT1 Finland
NT1 Norway
NT1 Sweden

SCANDIUM [01]
DA December 1, 1974
BT1 Transition Elements
BT2 Metals
BT3 Elements

SCANDIUM 39 [01]
DA July 31, 1989
BT1 Light Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Proton Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Scandium Isotopes
BT2 Isotopes

SCANDIUM 40 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Scandium Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

SCANDIUM 41 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Scandium Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

SCANDIUM 42 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Scandium Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

SCANDIUM 43 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Scandium Isotopes
BT2 Isotopes

SCANDIUM 44 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Scandium Isotopes
BT2 Isotopes

SCANDIUM 45 [01]
DA December 1, 1974
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Scandium Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

SCANDIUM 45 REACTIONS [01]
DA January 9, 1981
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

SCANDIUM 45 TARGET [01]
DA July 9, 1976
BT1 Targets

SCANDIUM 46 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Scandium Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

SCANDIUM 47 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Scandium Isotopes
BT2 Isotopes

SCANDIUM 47 TARGET [01]
DA July 24, 1979
BT1 Targets

SCANDIUM 48 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Scandium Isotopes
BT2 Isotopes

SCANDIUM 49 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Scandium Isotopes
BT2 Isotopes

SCANDIUM 50 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Scandium Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

SCANDIUM 51 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Scandium Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

SCANDIUM 52 [01]
DA May 13, 1976
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Scandium Isotopes
BT2 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

SCANDIUM 53 [01]
DA January 30, 1981
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Scandium Isotopes
BT2 Isotopes

→**SCANDIUM 54 [01]**
DA February 25, 1991
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Scandium Isotopes
BT2 Isotopes

→**SCANDIUM 55 [01]**
DA February 27, 1991
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Scandium Isotopes
BT2 Isotopes

SCANDIUM ADDITIONS [01]
DA December 1, 1974
BT1 Scandium Alloys
BT2 Alloys

SCANDIUM ALLOYS [01]
DA December 1, 1974
BT1 Alloys
NT1 Scandium Additions
NT1 Scandium Base Alloys

SCANDIUM BASE ALLOYS [01]
DA December 1, 1974
BT1 Scandium Alloys
BT2 Alloys

SCANDIUM BORIDES [01]
DA December 1, 1974
BT1 Borides
BT2 Boron Compounds
BT1 Scandium Compounds
BT2 Transition Element Compounds

SCANDIUM BROMIDES [01]
DA November 1, 1976
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Scandium Compounds
BT2 Transition Element Compounds

SCANDIUM CARBIDES [01]
DA December 1, 1974
BT1 Carbides
BT2 Carbon Compounds
BT1 Scandium Compounds
BT2 Transition Element Compounds

SCANDIUM CARBONATES [01]
DA March 20, 1989
BT1 Carbonates
BT2 Carbon Compounds
BT2 Oxygen Compounds
BT1 Scandium Compounds
BT2 Transition Element Compounds

SCANDIUM CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Scandium Compounds
BT2 Transition Element Compounds

SCANDIUM COMPLEXES [01]
DA December 1, 1974
BT1 Transition Element Complexes
BT2 Complexes

SCANDIUM COMPOUNDS [01]
DA December 1, 1974
BT1 Transition Element Compounds
NT1 Scandium Borides
NT1 Scandium Bromides
NT1 Scandium Carbides
NT1 Scandium Carbonates
NT1 Scandium Chlorides
NT1 Scandium Fluorides
NT1 Scandium Hydrides
NT1 Scandium Hydroxides
NT1 Scandium Iodides
NT1 Scandium Nitrates
NT1 Scandium Nitrides
NT1 Scandium Oxides
NT1 Scandium Perchlorates
NT1 Scandium Phosphates
NT1 Scandium Phosphides
NT1 Scandium Selenides
NT1 Scandium Silicates
NT1 Scandium Silicides
NT1 Scandium Sulfates
NT1 Scandium Sulfides
NT1 Scandium Tungstates

SCANDIUM FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Scandium Compounds
BT2 Transition Element Compounds

SCANDIUM HYDRIDES [01]
DA December 1, 1974
BT1 Hydrides
BT2 Hydrogen Compounds
BT1 Scandium Compounds
BT2 Transition Element Compounds

SCANDIUM HYDROXIDES [01]
DA December 1, 1974
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds
BT1 Scandium Compounds
BT2 Transition Element Compounds

SCANDIUM IODIDES [01]
DA December 1, 1974
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds
BT1 Scandium Compounds
BT2 Transition Element Compounds

SCANDIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

SCANDIUM ISOTOPES [01]
DA December 1, 1974
BT1 Isotopes
NT1 Scandium 39
NT1 Scandium 40
NT1 Scandium 41
NT1 Scandium 42
NT1 Scandium 43
NT1 Scandium 44
NT1 Scandium 45
NT1 Scandium 46
NT1 Scandium 47
NT1 Scandium 48
NT1 Scandium 49
NT1 Scandium 50
NT1 Scandium 51
NT1 Scandium 52
NT1 Scandium 53
NT1 Scandium 54
NT1 Scandium 55

SCANDIUM NITRATES [01]
DA December 1, 1974
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds
BT1 Scandium Compounds
BT2 Transition Element Compounds

SCANDIUM NITRIDES [01]
DA December 1, 1974
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides
BT1 Scandium Compounds
BT2 Transition Element Compounds

SCANDIUM OXIDES [01]
DA December 1, 1974
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds
BT1 Scandium Compounds
BT2 Transition Element Compounds

SCANDIUM PERCHLORATES [01]
DA November 28, 1977
BT1 Perchlorates
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Oxygen Compounds
BT1 Scandium Compounds
BT2 Transition Element Compounds

SCANDIUM PHOSPHATES [01]
DA November 1, 1976
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds
BT1 Scandium Compounds
BT2 Transition Element Compounds

SCANDIUM PHOSPHIDES [01]
DA October 7, 1980
BT1 Phosphides
BT2 Phosphorus Compounds
BT2 Pnictides
BT1 Scandium Compounds
BT2 Transition Element Compounds

SCANDIUM SELENIDES [01]
DA February 23, 1979
BT1 Scandium Compounds
BT2 Transition Element Compounds
BT1 Selenides
BT2 Chalcogenides
BT2 Selenium Compounds

SCANDIUM SILICATES [01]
DA December 1, 1974
BT1 Scandium Compounds
BT2 Transition Element Compounds

BT1 Silicates
BT2 Oxygen Compounds
BT2 Silicon Compounds

SCANDIUM SILICIDES [01]
DA March 3, 1978
BT1 Scandium Compounds
BT2 Transition Element Compounds
BT1 Silicides
BT2 Silicon Compounds

SCANDIUM SULFATES [01]
DA December 1, 1974
BT1 Scandium Compounds
BT2 Transition Element Compounds
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds

SCANDIUM SULFIDES [01]
DA December 1, 1974
BT1 Scandium Compounds
BT2 Transition Element Compounds
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds

SCANDIUM TUNGSTATES [01]
DA July 8, 1982
BT1 Scandium Compounds
BT2 Transition Element Compounds
BT1 Tungstates

Scanners (Image)
DA December 1, 1974
USE Image Scanners

Scanners (optical)
DA April 12, 1977
USE Optical Scanners

Scanning (Electron)
DA December 1, 1974
USE Electron Scanning

Scanning (Radioisotope)
DA December 1, 1974
USE Radioisotope Scanning

SCANNING ELECTRON MICROSCOPY [01]
DA November 23, 1979
UF *EBIC*
UF *Electron Beam Induced Current*
UF *SEM (Microscopy)*
BT1 Electron Microscopy
BT2 Microscopy

SCANNING LIGHT MICROSCOPY
DA March 23, 1983
UF *SLM*
BT1 Microscopy
RT Photocurrents
RT Photoluminescence
RT Reflectivity
DEF Means of spatial mapping of the optical or electrical properties of deep energy levels in semiconductors.

SCANNING MEASURING PROJECTORS [01]
DA December 1, 1974
UF *Franckenstein*
UF *Projectors (Scanning)*
UF *SMP Devices*
BT1 Digitizers
BT2 Signal Conditioners
BT3 Pulse Circuits
BT4 Electronic Circuits

SCATTERING [01]
DA December 1, 1974
NT1 Backscattering
NT1 Coherent Scattering
NT2 Brillouin Effect
NT2 Diffraction
NT3 Atomic Beam Diffraction
NT3 Electron Diffraction
NT3 Neutron Diffraction
NT3 X-Ray Diffraction
NT2 Rayleigh Scattering
NT1 Elastic Scattering
NT2 Bhabha Scattering
NT2 Compton Effect
NT2 Coulomb Scattering
NT2 Moeller Scattering
NT2 Mott Scattering
NT2 Potential Scattering
NT2 Rutherford Scattering
NT2 Wigner Scattering
NT1 Incoherent Scattering
NT1 Inelastic Scattering
NT2 Deep Inelastic Scattering
NT2 Delbrueck Scattering
NT2 Resonance Scattering
NT2 Thomson Scattering
NT1 Light Scattering
NT1 Multiple Scattering
NT1 Proximity Scattering
NT1 Quasi-Elastic Scattering
NT1 Rescattering
NT1 Small Angle Scattering
RT Adiabatic Approximation
RT Analyzing Power
RT Binary Encounter Method
RT Blankenbecler-Sugar Equations
RT Born Approximation
RT Born-Oppenheimer Approximation
RT Brinkman-Kramers Approximation
RT Buildup
RT Center-of-Mass System
RT Collisions
RT Conspiracy Relations
RT Coupled Channel Born Approximation
RT Detailed Balance Principle
RT Diabatic Approximation
RT Dispersion Relations
RT DWBA
RT Effective Range Theory
RT Four Momentum Transfer
RT FSC Approximation
RT Glauber Theory
RT Gribov-Lipatov Relation
RT Haywood Model
RT Impact Parameter
RT Impulse Approximation
RT Incidence Angle
RT Interactions
RT Inverse Scattering Problem
RT Ion Scattering Analysis
RT Jost Function
RT Laboratory System
RT Landau Curves
RT Levinson Theorem
RT Nuclear Reactions
RT Partial Waves
RT Perturbation Theory
RT Phase Shift
RT Polarization-Asymmetry Ratio
RT Radiation Scattering Analysis
RT Raman Effect
RT Resonating-Group Method
RT S Matrix
RT Scattering Amplitudes
RT Scattering Lengths
RT Semiclassical Approximation
RT Shadow Effect
RT Shielding
RT Spectroscopic Factors
RT Stray Radiation
RT Targets
RT Threshold Energy
RT Transport Theory
RT WKB Approximation
RT Zemach-Glauber Formalism

SCATTERING AMPLITUDES [01]
DA December 1, 1974
BT1 Amplitudes
RT ABFST Equation
RT Argand Diagrams
RT Crossing Symmetry
RT Dispersion Relations
RT Duality
RT Eikonal Approximation
RT Linear Absorption Models
RT Partial Waves
RT Quasipotential Equation
RT Regge Poles
RT S Matrix
RT Scattering
RT Singularity
RT Veneziano Model

SCATTERING LENGTHS [01]
DA December 1, 1974
BT1 Length
BT2 Dimensions
RT Scattering

SCATTERPLOTS [01]
DA December 1, 1974
BT1 Diagrams
NT1 Argand Diagrams
NT1 Dalitz Plot
NT1 Prism Plot
DEF Two-dimensional projections of multidimensional data.

SCAVENGING [01]
DA December 1, 1974
RT Hot Atom Chemistry
RT Radiation Chemistry
RT Radicals

Scavenging (Atmospheric)
DA December 1, 1974
USE Washout

SCENEDESMUS [01]
DA December 1, 1974
BT1 Chlorophycota
BT2 Algae
BT3 Plants
BT1 Unicellular Algae
BT2 Algae
BT3 Plants
BT2 Microorganisms

SCHEDULES [01]
DA May 21, 1983
RT Construction
RT Contract Management
RT Forecasting
RT Time Delay

SCHIFF BASES [01]
DA December 1, 1974
BT1 Imines
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds

SCHIFFER POTENTIAL [01]
DA December 16, 1976
BT1 Nucleon-Nucleon Potential
BT2 Potentials

SCHISTOSOMA [01]
DA December 1, 1974
BT1 Trematodes
BT2 Platyhelminths
BT3 Helminths
BT4 Parasites
RT Schistosomiasis

SCHISTOSOMIASIS [01]
DA December 1, 1974
BT1 Parasitic Diseases
BT2 Infectious Diseases
BT3 Diseases
RT Schistosoma
RT Snails

SCHISTS [01]
DA January 28, 1975
BT1 Metamorphic Rocks
BT2 Rocks
DEF A strongly foliated crystalline rock formed by dynamic metamorphism which can be readily split into thin flakes or slabs due to the well developed parallelism of more than 50% of the minerals present.

SCHLIEREN METHOD [01]
DA December 1, 1974
BT1 Photography
RT Opacity
RT Refraction
RT Visible Radiation

Schmalfeldt-Wintershall Process
(Prior to July 1993, this was a valid descriptor.)
DA January 24, 1975
USE Coal Gasification

SCHMEHAUSEN-2 REACTOR
DA September 11, 1975
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Helium Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 HTGR Type Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT2 Graphite Moderated Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors

Schmehausen THTR Reactor
DA December 1, 1974
USE THTR-300 Reactor

Schmid-Vicchnicki Technique
DA February 11, 1980
USE Heat Exchanger Method

SCHMIDT LINES [01]
DA December 1, 1974
RT Nuclear Magnetic Moments
RT Spin

SCHMIDT MODEL [01]
DA December 1, 1974
RT Single-Particle Model
RT Spin

Schmitt Trigger Circuits
DA December 1, 1974
USE Multivibrators

Schnelle Null-Energie Anordnung Karlsruhe
DA December 1, 1974
USE SNEAK Reactor

Schneller Natriumgekuehlter Reaktor
DA December 1, 1974
USE SNR Reactor

SCHOEPITE [01]
DA December 1, 1974
BT1 Oxide Minerals
BT2 Minerals
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
RT Uranium Oxides

SCHOOL BUILDINGS [01]
DA April 19, 1976
BT1 Buildings
BT1 Educational Facilities
RT Laboratory Buildings
RT Public Buildings

School Facilities
DA May 31, 1979
USE Educational Facilities

School Plant
DA May 25, 1979
USE Educational Facilities

Schools
DA July 20, 1983
USE Educational Facilities

SCHOONER EVENT [01]
DA December 1, 1974
BT1 Bowline Operation
BT2 Nuclear Explosions
BT3 Explosions
BT2 Underground Explosions
BT3 Explosions
BT1 Cratering Explosions
BT2 Explosions
BT1 Plowshare Project
RT Excavation

SCHOTTKY BARRIER DIODES [01]
DA January 24, 1975
BT1 Semiconductor Diodes
BT2 Semiconductor Devices
RT Schottky Barrier Solar Cells
RT Tunnel Diodes

SCHOTTKY BARRIER SOLAR CELLS [01]
DA July 18, 1981
BT1 Solar Cells
BT2 Photovoltaic Cells
BT3 Photoelectric Cells
BT4 Direct Energy Converters
BT2 Solar Equipment
BT3 Equipment
RT MIS Solar Cells
RT Schottky Barrier Diodes

SCHOTTKY DEFECTS [01]
DA December 1, 1974
BT1 Vacancies
BT2 Point Defects
BT3 Crystal Defects
BT4 Crystal Structure

SCHOTTKY EFFECT [01]
DA December 1, 1974
RT Thermionics

SCHROECKINGERITE [01]
DA December 1, 1974
BT1 Carbonate Minerals
BT2 Minerals
BT1 Halide Minerals
BT2 Minerals
BT1 Sulfate Minerals
BT2 Minerals
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
RT Calcium Carbonates
RT Sodium Sulfates
RT Uranium Carbonates

SCHROEDINGER EQUATION [01]
DA December 1, 1974
BT1 Wave Equations
BT2 Partial Differential Equations
BT3 Differential Equations
BT4 Equations
RT Dirac Equation
RT Jost Function
RT Quantum Mechanics
RT Wave Functions

SCHROEDINGER PICTURE [01]
DA January 23, 1976
RT Heisenberg Picture
RT Quantum Field Theory
RT Quantum Mechanics

SCHULZ METHOD [01]
DA December 1, 1974
RT Diffraction Methods
RT Texture

SCHUMANN-RUNGE BANDS [01]
DA December 1, 1974
RT Spectra

Schwarzschild Field
DA December 1, 1974
USE Schwarzschild Metric

SCHWARZSCHILD METRIC [01]
DA December 1, 1974
UF *Schwarzschild Field*
UF *Schwarzschild Solution*
UF *Schwarzschild Space*
BT1 Metrics
RT Cosmology
RT General Relativity Theory
RT Gravitation

SCHWARZSCHILD RADIUS [01]
DA December 1, 1974
RT Black Holes
RT Gravitational Collapse

Schwarzschild Solution
DA December 1, 1974
USE Schwarzschild Metric

Schwarzschild Space
DA December 1, 1974
USE Schwarzschild Metric

SCHWINGER FUNCTIONAL EQUATIONS [01]
DA December 1, 1974
BT1 Differential Equations
BT2 Equations
RT Quantum Field Theory

SCHWINGER SOURCE THEORY [01]
DA December 1, 1974
RT Causality
RT Elementary Particles
RT Quantum Field Theory

SCHWINGER TERMS [01]
DA December 1, 1974
RT Current Commutators
RT Delta Function

SCHWINGER-TOMONAGA FORMALISM [01]
DA December 1, 1974
BT1 Quantum Electrodynamics
BT2 Electrodynamics
BT2 Quantum Field Theory
BT3 Field Theories

SCHWINGER VARIATIONAL METHOD [01]
DA December 1, 1974
BT1 Variational Methods
BT2 Calculation Methods
RT Lippmann-Schwinger Equation
RT Quantum Mechanics

SCIATIC NERVE [01]
DA December 1, 1974
BT1 Nerves
BT2 Nervous System
RT Legs

SCIENTIFIC PERSONNEL [01]
DA February 8, 1982
BT1 Professional Personnel
BT2 Personnel
BT3 Man
BT4 Primates
BT5 Mammals
BT6 Vertebrates
BT7 Animals

Scintigraphy
DA December 1, 1974
USE Scintiscanning

Scintillation Chambers
DA December 1, 1974
USE Scintillation Counters

SCINTILLATION COUNTERS [01]
DA December 1, 1974
UF *Scintillation Chambers*
UF *Scintillation Detectors*
BT1 Radiation Detectors
BT2 Measuring Instruments
NT1 Gas Scintillation Detectors
NT1 Liquid Scintillation Detectors
NT1 Scintillator-Photodiode Detectors
NT1 Solid Scintillation Detectors
NT2 BGO Detectors
NT2 NaI Detectors
NT2 Plastic Scintillation Detectors
RT Dosemeters
RT Light Pipes
RT Luminescent Chambers
RT Phosphors
RT Photomultipliers
RT Proton Recoil Detectors
RT Scintillation Counting
RT Scintillation Quenching

SCINTILLATION COUNTING [01]
DA December 1, 1974
BT1 Counting Techniques
RT Liquid Scintillators
RT Scintillation Counters
RT Scintillation Quenching

Scintillation Detectors
DA December 1, 1974
USE Scintillation Counters

SCINTILLATION QUENCHING [01]
DA May 15, 1975
UF *Quenching (Scintillation)*
RT Scintillation Counters
RT Scintillation Counting

SCINTILLATIONS [01]
DA December 1, 1974
RT Radioluminescence

SCINTILLATOR-PHOTODIODE DETECTORS [01]
DA December 1, 1974
BT1 Scintillation Counters
BT2 Radiation Detectors
BT3 Measuring Instruments

SCINTISCANNING [01]
DA December 1, 1974
UF *Scintigraphy*
BT1 Diagnostic Techniques
BT1 Radioisotope Scanning
BT2 Counting Techniques
NT1 Radioimmunoscintigraphy
RT Diagnosis
RT Dual-Isotope Subtraction Technique
RT Images
RT Labelled Compounds
RT Nuclear Medicine
RT Osteodensitometry
RT Radiopharmaceuticals

SCIOTO RIVER [01]
DA December 1, 1974
BT1 Rivers
BT2 Streams
BT3 Surface Waters
RT Ohio

SCISSION-POINT MODEL [01]
DA May 7, 1985
BT1 Nuclear Models
BT2 Mathematical Models
RT Fission
DEF A static model of nuclear fission based on the assumption of statistical equilibrium among collective degrees of freedom at the scission point.

Sclera
DA December 1, 1974
USE Eyes

SCLEROPROTEINS [01]
DA December 1, 1974
BT1 Proteins
BT2 Organic Compounds
NT1 Collagen
NT1 Fibrin
NT1 Glutin
NT1 Keratin

SCORPIONS [01]
DA December 1, 1974
BT1 Arachnids
BT2 Arthropods
BT3 Invertebrates
BT4 Animals

SCOT PROCESS
DA January 27, 1975
UF *Shell Claus Off-Gas Treating Process*
BT1 Desulfurization
BT2 Chemical Reactions
DEF Process for increasing S recovery efficiency of Claus units from the usual level of about 95% to more than 99.8%.

SCOTCH EVENT [01]
DA January 10, 1977
BT1 Latchkey Operation
BT2 Nuclear Explosions
BT3 Explosions
BT2 Underground Explosions
BT3 Explosions

Scotland
DA December 27, 1984
USE United Kingdom

Scottish Research Reactor Center UTR-100 Reactor
DA December 1, 1974
USE SRRC-UTR-100 Reactor

SCRAM [01]
DA December 1, 1974
UF *Emergency Shutdown*
BT1 Reactor Shutdown
BT2 Shutdown
RT ATWS
RT Fluid Poison Control
RT Reactor Protection Systems
RT Reactor Safety Fuses
RT Scram Rods
RT Soluble Poisons

SCRAM RODS [01]
DA December 1, 1974
UF *Emergency Rods*
UF *Safety Rods*
BT1 Control Elements
BT2 Reactor Components
RT Neutron Absorbers
RT Scram

SCRAP [01]
DA March 9, 1978
BT1 Solid Wastes
BT2 Wastes
NT1 Scrap Metals
RT Industrial Wastes
RT Municipal Wastes
RT Recycling

SCRAP METALS
DA August 9, 1977
BT1 Metals
BT2 Elements
BT1 Scrap
BT2 Solid Wastes
BT3 Wastes
RT Industrial Wastes
RT Metal Industry
DEF Metallic waste from the production of metals or from the fabrication or obsolescence of metal equipment.

SCRAPERS
DA May 24, 1982
BT1 Equipment
RT Dewaxing
RT Pipelines
RT Pipes
RT Surface Cleaning
RT Well Servicing

SCREEN PRINTING
DA February 27, 1979
BT1 Surface Coating
BT2 Deposition
RT Coatings
RT Masking

SCREENING
DA May 3, 1978
NT1 Carcinogen Screening
NT1 Mutagen Screening
NT1 Nuclear Screening
NT1 Teratogen Screening

SCREENS [01]
DA June 30, 1975
NT1 Trommels
RT Concentrators
RT Curtains
RT Intake Structures
RT Particle Size Classifiers
RT Separation Processes
RT Sorting

SCREW DISLOCATIONS [01]
DA December 1, 1974
UF *Frank Loops*
BT1 Dislocations
BT2 Line Defects
BT3 Crystal Defects
BT4 Crystal Structure

Screw Instability
DA December 1, 1974
USE Helical Instability

SCREW PINCH [01]
DA December 1, 1974
BT1 Pinch Effect
RT Linear Screw Pinch Devices
RT Toroidal Screw Pinch Devices
DEF Cylindrical Plasma equilibrium in which the axial and azimuthal components of the vacuum field are the same size.

Screwing
DA December 1, 1974
USE Fastening

Screws
DA December 1, 1974
USE Fasteners

SCREWWORM FLY [01]
DA October 28, 1975
BT1 Flies
BT2 Diptera
BT3 Insects
BT4 Arthropods
BT5 Invertebrates
BT6 Animals
RT Domestic Animals
RT Parasites

SCRUBBERS [01]
DA May 15, 1975
BT1 Pollution Control Equipment
BT2 Equipment
NT1 Dry Scrubbers
RT Air Cleaning Systems
RT Air Filters
RT Air Pollution
RT Air Pollution Control
RT Consol FGD Process
RT Cyclone Separators
RT Dust Collectors
RT Scrubbing
RT Thiosorbic Process
RT Waste Processing

SCRUBBING [01]
DA July 29, 1975
NT1 Lime-Limestone Wet Scrubbing Processes
NT2 Bischoff Process
NT2 SF Nateko Process
RT Cleaning
RT Flue Gas
RT Magnesium Slurry Scrubbing Process
RT Scrubbers
RT Washing

SCYLLA DEVICES [01]
DA December 1, 1974
BT1 Linear Theta Pinch Devices
BT2 Linear Pinch Devices
BT3 Open Plasma Devices
BT4 Thermonuclear Devices
BT3 Pinch Devices
BT4 Thermonuclear Devices

SCYLLAC DEVICES [01]
DA December 1, 1974
BT1 Toroidal Theta Pinch Devices
BT2 Toroidal Pinch Devices
BT3 Closed Plasma Devices
BT4 Thermonuclear Devices
BT3 Pinch Devices
BT4 Thermonuclear Devices

SDPPH [01]
DA December 1, 1974
UF *Disulfodiphenylpicrylhydrazyl*
BT1 Nitro Compounds
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
BT1 Radicals
BT1 Sulfonic Acids
BT2 Organic Acids
BT3 Organic Compounds
BT2 Organic Sulfur Compounds
BT3 Organic Compounds
RT Hydrazine

SDS COMPUTERS [01]
DA December 1, 1974
BT1 Computers

SEA BED [01]
DA April 4, 1975
RT Earth Crust
RT Geomorphology
RT Seas
RT Sediments
RT Soil Mechanics
RT Submarine Canyons

Sea Disposal
DA December 1, 1974
USE Marine Disposal

SEA-FLOOR SPREADING [01]
DA August 4, 1976
UF *Ocean Spreading Center*
RT Earth Crust
RT Plate Tectonics
RT Seas
DEF A hypothesis that the oceanic crust is increasing by convective upwelling of magma along the mid-oceanic ridges or world rift system, and a moving away of the new material at a rate of from one to ten centimeters per year. This movement provides the source of power in the hypothesis of plate tectonics.

SEA LEVEL [01]
DA December 1, 1974
BT1 Levels

Sea of Marmara
DA May 17, 1976
USE Marmara Sea

SEA URCHINS [01]
DA December 1, 1974
BT1 Echinoderms
BT2 Benthos
BT3 Aquatic Organisms
BT2 Invertebrates
BT3 Animals

SEABOARD PROCESS
DA January 27, 1975
BT1 Desulfurization
BT2 Chemical Reactions
DEF Wet scrubbing process for the removal of H_2S from refinery and petroleum gas streams.

SEABROOK-1 REACTOR [01]
(Seabrook, New Hampshire, USA)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

SEABROOK-2 REACTOR [01]
(Seabrook, New Hampshire)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

Seacoast
DA December 1, 1974
USE Shores

SEACOKE PROCESS
DA January 23, 1975
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes
DEF A fluidized-bed pyrolysis of coal (with partial counterflow of gas and char to maximize liquid and gas yield from volatile matter of coal) to produce gas, liquid, and solid product streams, developed by Atlantic Refining Co. (now Atlantic Richfield Co.).

SEAFOOD [01]
DA December 1, 1974
BT1 Fish Products
BT1 Food
RT Fishes
RT Lobsters
RT Oysters
RT Plaice
RT Prawns
RT Shrimp
RT Snails
RT Trout

SEALED SOURCES [01]
DA December 1, 1974
BT1 Radiation Sources
RT Containment
RT Leak Testing
RT Leaks

SEALING MATERIALS [01]
DA December 1, 1974
BT1 Materials
RT Grouting
RT Seals
RT Waterproofing

SEALS [01]
DA December 1, 1974
NT1 Gaskets
NT1 Inflatable Seals
NT1 Security Seals
RT Cementing
RT Closures
RT Grouting
RT Magnetic Liquids
RT Pipe Fittings
RT Sealing Materials
RT Waterproofing

Seals (Mammals)
DA February 8, 1982
USE Pinnipeds

SEAS [01]
DA December 1, 1974
UF *Oceans*
BT1 Surface Waters
NT1 Antarctic Ocean
NT1 Arctic Ocean
NT2 Beaufort Sea
NT3 Prudhoe Bay
NT2 Chukchi Sea
NT1 Atlantic Ocean
NT2 Baltimore Canyon
NT2 Bay of Biscay
NT2 Bay of Fundy
NT2 Biscayne Bay
NT2 Caribbean Sea
NT3 Gulf of Mexico
NT4 Galveston Bay
NT4 San Antonio Bay
NT2 Chesapeake Bay
NT2 Gulf of Maine
NT2 Irish Sea
NT2 Long Island Sound
NT2 Mid-Atlantic Bight
NT3 New York Bight
NT2 North Sea
NT2 Onslow Bay
NT2 Sargasso Sea
NT2 South Atlantic Bight
NT2 Weddell Sea
NT1 Baltic Sea
NT1 Bass Strait
NT1 Black Sea
NT1 Caspian Sea
NT1 Indian Ocean
NT2 Arabian Sea
NT3 Persian Gulf
NT4 Strait of Hormuz
NT1 Marmara Sea
NT1 Mediterranean Sea
NT2 Adriatic Sea
NT1 Pacific Ocean
NT2 Bering Sea
NT2 China Sea
NT2 Gulf of Alaska
NT2 Gulf of California
NT2 Humboldt Bay
NT2 Puget Sound
NT2 San Francisco Bay
NT2 Santa Barbara Channel
NT2 Sequim Bay
NT1 Red Sea
NT2 Gulf of Suez
NT1 Tasman Sea
RT Bathymetry
RT Bays
RT Coastal Waters
RT Estuaries
RT Harbors
RT Islands
RT Marinas
RT Oceanic Circulation
RT Oceanography
RT Offshore Nuclear Power Plants
RT Offshore Sites
RT Reefs
RT Sea Bed
RT Sea-Floor Spreading
RT Seawater
RT Shores
RT Tide
RT Tsunamis
RT Water Currents
RT Water Waves
RT Wave Energy Converters

SEASAT SATELLITES
DA March 29, 1980
BT1 Satellites
RT Aerial Prospecting
RT Remote Sensing

SEASONAL THERMAL ENERGY STORAGE
DA May 24, 1982
UF *STES*
BT1 Heat Storage
BT2 Energy Storage
BT3 Storage
RT Annual Energy Storage
RT Latent Heat Storage
RT Sensible Heat Storage

SEASONAL VARIATIONS [01]
DA December 1, 1974
UF+ *Time-of-Season Pricing*
BT1 Variations
RT Climate Models
RT Seasons
RT Time-of-Use Pricing

Seasonings
DA May 13, 1975
USE Condiments

SEASONS [01]
DA December 1, 1974
RT Atmospheric Precipitations
RT Climates
RT Meteorology
RT Seasonal Variations
RT Vernalization
RT Weather

SEAWATER [01]
DA December 1, 1974
BT1 Water
BT2 Hydrogen Compounds
BT2 Oxygen Compounds
RT Brines
RT Desalination
RT Desalination Plants
RT Estuaries
RT Fiords
RT Salinity
RT Salinity Gradient Power Plants
RT Salinity Gradients
RT Seas

SEAWEEDS [01]
DA December 1, 1974
UF *Kelp*
BT1 Aquatic Organisms
BT1 Plants
NT1 Fucus
NT1 Laminaria

Sebaceous Glands
DA December 1, 1974
USE Glands
AND Skin

SEBACIC ACID [01]
DA December 1, 1974
BT1 Dicarboxylic Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds

Secale
DA December 1, 1974
USE Rye

SECOND-CLASS CURRENTS [01]
DA December 1, 1974
BT1 Algebraic Currents
BT2 Currents
RT Weak Interactions
DEF Classification of currents according to their properties under G-parity transformations.

Second-Harmonic Generation
DA January 14, 1986
USE Harmonic Generation

SECOND QUANTIZATION [01]
DA December 1, 1974
BT1 Quantization
RT Annihilation Operators
RT Creation Operators
RT Quantum Field Theory
RT Quantum Mechanics

SECOND SOUND [01]
DA December 1, 1974
RT Sound Waves
RT Superfluidity

Secondary Batteries
DA May 17, 1976
USE Electric Batteries

SECONDARY BEAMS [01]
DA December 1, 1974
BT1 Particle Beams
BT2 Beams
NT1 Carbon 11 Beams
NT1 Helium 8 Beams
RT Ion Probes

SECONDARY COOLANT CIRCUITS [01]
DA December 1, 1974
BT1 Reactor Cooling Systems
BT2 Cooling Systems
BT3 Energy Systems
BT2 Reactor Components

SECONDARY COSMIC RADIATION [01]
DA December 1, 1974
BT1 Cosmic Radiation
BT2 Ionizing Radiations
BT3 Radiations
NT1 Cosmic Electrons
NT1 Cosmic Kaons
NT1 Cosmic Muons
NT1 Cosmic Neutrons
NT1 Cosmic Pions
NT1 Cosmic Positrons
NT1 Cosmic Showers
NT2 Extensive Air Showers

SECONDARY EMISSION [01]
DA December 1, 1974
BT1 Emission
NT1 Photoemission
RT Ion Probes
RT Photon Emission

SECONDARY EMISSION DETECTORS [01]
DA December 1, 1974
BT1 Radiation Detectors
BT2 Measuring Instruments

SECONDARY REACTIONS [01]
DA December 1, 1974
BT1 Nuclear Reactions

Secondary Recovery
DA February 23, 1976
USE Enhanced Recovery

Secondary Standard Dosimetry Laboratories
DA August 12, 1980
USE SSDL

SECONDS LIVING RADIOISOTOPES [01]
DA December 1, 1974
BT1 Radioisotopes
BT2 Isotopes
NT1 Actinium 214
NT1 Actinium 217
NT1 Actinium 220
NT1 Actinium 221
NT1 Actinium 222
NT1 Actinium 230
NT1 Actinium 232
NT1 Actinium 234
NT1 Aluminium 24
NT1 Aluminium 25
NT1 Aluminium 26
NT1 Aluminium 30
NT1 Americium 232
NT1 Antimony 106
NT1 Antimony 108
NT1 Antimony 109
NT1 Antimony 110
NT1 Antimony 112
NT1 Antimony 126
NT1 Antimony 134
NT1 Antimony 135
NT1 Argon 35
NT1 Argon 45
NT1 Argon 46
NT1 Arsenic 67
NT1 Arsenic 74
NT1 Arsenic 75
NT1 Arsenic 80
NT1 Arsenic 81
NT1 Arsenic 82
NT1 Arsenic 83
NT1 Arsenic 84
NT1 Arsenic 85
NT1 Astatine 198
NT1 Astatine 199
NT1 Astatine 200
NT1 Astatine 202
NT1 Astatine 212
NT1 Astatine 213
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NT1 Barium 117
NT1 Barium 119
NT1 Barium 120
NT1 Barium 121
NT1 Barium 127
NT1 Barium 143
NT1 Barium 144
NT1 Barium 145
NT1 Barium 146
NT1 Beryllium 8
NT1 Beryllium 11
NT1 Bismuth 189
NT1 Bismuth 190
NT1 Bismuth 191
NT1 Bismuth 192
NT1 Bismuth 193
NT1 Bismuth 198
NT1 Bismuth 208
NT1 Boron 8
NT1 Boron 9
NT1 Boron 12
NT1 Boron 13
NT1 Bromine 71
NT1 Bromine 76
NT1 Bromine 79
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NT1 Bromine 87
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NT1 Bromine 91
NT1 Cadmium 97
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NT1 Cadmium 99
NT1 Cadmium 120
NT1 Cadmium 121
NT1 Cadmium 122
NT1 Cadmium 123
NT1 Cadmium 124
NT1 Cadmium 126
NT1 Cadmium 127
NT1 Cadmium 128
NT1 Calcium 38
NT1 Calcium 39
NT1 Calcium 50
NT1 Calcium 51
NT1 Calcium 52
NT1 Californium 239
NT1 Carbon 10
NT1 Carbon 15
NT1 Carbon 16
NT1 Cerium 123
NT1 Cerium 124
NT1 Cerium 125
NT1 Cerium 126
NT1 Cerium 127
NT1 Cerium 135
NT1 Cerium 138
NT1 Cerium 139
NT1 Cerium 147
NT1 Cerium 148
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NT1 Cerium 150
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NT1 Cerium 152
NT1 Cesium 115
NT1 Cesium 116
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NT1 Cesium 145
NT1 Chlorine 32
NT1 Chlorine 33
NT1 Chlorine 34
NT1 Chlorine 38
NT1 Chlorine 41
NT1 Chromium 46
NT1 Chromium 57
NT1 Chromium 58
NT1 Chromium 59
NT1 Cobalt 54
NT1 Cobalt 63
NT1 Cobalt 65
NT1 Copper 58
NT1 Copper 68
NT1 Copper 70
NT1 Copper 71
NT1 Copper 72
NT1 Copper 73
NT1 Copper 74
NT1 Copper 75
NT1 Dysprosium 141
NT1 Dysprosium 142

NT1 Dysprosium 143
NT1 Dysprosium 144
NT1 Dysprosium 145
NT1 Dysprosium 146
NT1 Dysprosium 147
NT1 Dysprosium 169
NT1 Einsteinium 243
NT1 Einsteinium 244
NT1 Element 104 253
NT1 Element 104 255
NT1 Element 104 257
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NT1 Element 105 255
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NT1 Element 109 266
NT1 Erbium 146
NT1 Erbium 147
NT1 Erbium 148
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NT1 Erbium 152
NT1 Erbium 153
NT1 Erbium 167
NT1 Europium 135
NT1 Europium 136
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NT1 Europium 161
NT1 Europium 162
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NT1 Fermium 259
NT1 Fluorine 20
NT1 Fluorine 21
NT1 Fluorine 22
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NT1 Francium 204
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NT1 Gadolinium 140
NT1 Gadolinium 141
NT1 Gadolinium 143
NT1 Gadolinium 164
NT1 Gallium 63
NT1 Gallium 70
NT1 Gallium 72
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NT1 Gold 176
NT1 Gold 177
NT1 Gold 178
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NT1 Gold 202
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NT1 Gold 204
NT1 Hafnium 154
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NT1 Holmium 152
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NT1 Indium 101
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NT1 Iridium 170
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NT1 Iridium 198
NT1 Iron 52
NT1 Iron 62
NT1 Iron 63
NT1 Iron 64
NT1 Krypton 72
NT1 Krypton 73
NT1 Krypton 79
NT1 Krypton 81
NT1 Krypton 90
NT1 Krypton 91
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NT1 Lanthanum 120
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NT1 Lawrencium 253
NT1 Lawrencium 254
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NT1 Lawrencium 258
NT1 Lawrencium 259
NT1 Lead 185
NT1 Lead 186
NT1 Lead 187
NT1 Lead 188
NT1 Lead 189
NT1 Lead 190
NT1 Lead 201
NT1 Lead 203
NT1 Lead 205
NT1 Lead 207
NT1 Lithium 5
NT1 Lithium 8
NT1 Lithium 9
NT1 Lutetium 154
NT1 Lutetium 157
NT1 Lutetium 158
NT1 Lutetium 159
NT1 Lutetium 160
NT1 Lutetium 183
NT1 Lutetium 184
NT1 Magnesium 22
NT1 Magnesium 23
NT1 Magnesium 29
NT1 Manganese 50
NT1 Manganese 58
NT1 Manganese 59
NT1 Manganese 60
NT1 Mendelevium 247
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NT1 Mercury 179
NT1 Mercury 180
NT1 Mercury 181
NT1 Mercury 182
NT1 Mercury 183
NT1 Mercury 184
NT1 Mercury 185
NT1 Mercury 194
NT1 Molybdenum 87
NT1 Molybdenum 105
NT1 Molybdenum 106
NT1 Molybdenum 107
NT1 Molybdenum 108
NT1 Neodymium 127
NT1 Neodymium 129
NT1 Neodymium 130
NT1 Neodymium 131
NT1 Neodymium 137
NT1 Neodymium 153
NT1 Neodymium 154
NT1 Neodymium 155
NT1 Neodymium 156
NT1 Neon 18
NT1 Neon 19
NT1 Neon 23
NT1 Nickel 67
NT1 Nickel 69
NT1 Nickel 71
NT1 Nickel 72
NT1 Nickel 74
NT1 Niobium 83
NT1 Niobium 84
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NT1 Nitrogen 16
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NT1 Nobelium 257
NT1 Osmium 168
NT1 Osmium 169
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NT1 Osmium 174
NT1 Osmium 192
NT1 Oxygen 19
NT1 Oxygen 20
NT1 Oxygen 21
NT1 Oxygen 22
NT1 Palladium 95
NT1 Palladium 107
NT1 Palladium 115
NT1 Palladium 116
NT1 Palladium 117
NT1 Palladium 118
NT1 Phosphorus 28
NT1 Phosphorus 29
NT1 Phosphorus 34
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NT1 Phosphorus 37
NT1 Platinum 175
NT1 Platinum 176
NT1 Platinum 177
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NT1 Platinum 183
NT1 Platinum 199
NT1 Plutonium 237
NT1 Polonium 192
NT1 Polonium 193
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NT1 Potassium 48
NT1 Potassium 49
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NT1 Promethium 130
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NT1 Rhodium 117
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NT1 Rubidium 76
NT1 Rubidium 80
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NT1 Rubidium 95
NT1 Rubidium 97
NT1 Ruthenium 93
NT1 Ruthenium 109
NT1 Ruthenium 110
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NT1 Ruthenium 113
NT1 Samarium 131
NT1 Samarium 133
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NT1 Samarium 137
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NT1 Samarium 157
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NT1 Scandium 40
NT1 Scandium 41
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NT1 Scandium 50
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NT1 Selenium 69
NT1 Selenium 77
NT1 Selenium 83
NT1 Selenium 85
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NT1 Selenium 88
NT1 Silicon 26
NT1 Silicon 27
NT1 Silicon 33
NT1 Silicon 34
NT1 Silver 96
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NT1 Sodium 26
NT1 Strontium 76
NT1 Strontium 77
NT1 Strontium 83
NT1 Strontium 95
NT1 Strontium 96
NT1 Strontium 97
NT1 Sulfur 30
NT1 Sulfur 31
NT1 Sulfur 39
NT1 Sulfur 40
NT1 Tantalum 157
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NT1 Tantalum 166
NT1 Technetium 90
NT1 Technetium 100
NT1 Technetium 102
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NT1 Technetium 107
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NT1 Technetium 109
NT1 Tellurium 108
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NT1 Terbium 140
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NT1 Thallium 182
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NT1 Thallium 201
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NT1 Thorium 215
NT1 Thorium 223
NT1 Thorium 224
NT1 Thulium 151
NT1 Thulium 152
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NT1 Thulium 156
NT1 Thulium 162
NT1 Tin 103
NT1 Tin 105
NT1 Tin 131
NT1 Tin 132
NT1 Tin 133
NT1 Tin 134
NT1 Titanium 42

NT1 Titanium 43
NT1 Titanium 45
NT1 Titanium 53
NT1 Tungsten 160
NT1 Tungsten 162
NT1 Tungsten 163
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NT1 Tungsten 166
NT1 Tungsten 167
NT1 Tungsten 168
NT1 Tungsten 169
NT1 Tungsten 180
NT1 Tungsten 183
NT1 Uranium 226
NT1 Vanadium 43
NT1 Vanadium 46
NT1 Vanadium 54
NT1 Vanadium 55
NT1 Xenon 112
NT1 Xenon 113
NT1 Xenon 114
NT1 Xenon 115
NT1 Xenon 116
NT1 Xenon 125
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NT1 Xenon 139
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NT1 Xenon 143
NT1 Xenon 144
NT1 Ytterbium 153
NT1 Ytterbium 155
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NT1 Yttrium 79
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NT1 Yttrium 98
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NT1 Zinc 73
NT1 Zinc 75
NT1 Zinc 76
NT1 Zinc 77
NT1 Zinc 78
NT1 Zinc 79
NT1 Zirconium 83
NT1 Zirconium 85
NT1 Zirconium 87
NT1 Zirconium 98
NT1 Zirconium 99
NT1 Zirconium 100
NT1 Zirconium 101
NT1 Zirconium 102
NT1 Zirconium 103
RT Half-Life
RT Lifetime

SECRECY PROTECTION [01]
(Measures, regulations or orders established to protect the secrecy of certain places, installations, or offices.)
DA June 3, 1977
RT Atomic Energy Laws
RT Classified Information
RT Identification Systems
RT Invention Secrecy Act
RT Physical Protection
RT Physical Protection Devices
RT Sabotage
RT Security
RT Security Violations

SECRETIN [01]
DA January 22, 1975
BT1 Peptide Hormones
BT2 Hormones
BT2 Proteins
BT3 Organic Compounds

SECRETION [01]
DA December 1, 1974
NT1 Pheromone
RT Body Fluids
RT Excretion
RT Gastric Acid
RT Gastrin
RT Glands

Sector Cyclotron
DA October 22, 1987
USE Isochronous Cyclotrons

SECTORAL ANALYSIS [01]
DA May 8, 1984
RT Business
RT Commercial Sector
RT Households
RT Industry
RT Residential Sector
RT Service Sector
RT Transportation Sector
DEF Economic or energy analysis by sectors of economy, energy consumption, energy production, or other sources.

SECULAR EQUATION [01]
DA December 1, 1974
BT1 Equations
RT Eigenvalues
RT Matrices

SECURITY [01]
DA December 1, 1974
NT1 National Security
RT Adversaries
RT Cryptography
RT Document Destruction
RT Entry Control Systems
RT Human Intrusion
RT Identification Systems
RT Interception
RT Intrusion Detection Systems
RT Motion Detection Systems
RT Physical Protection
RT Physical Protection Devices
RT Sabotage
RT Safety
RT Secrecy Protection
RT Security Personnel
RT Security Violations
RT Surveillance
RT Theft

SECURITY PERSONNEL [01]
DA January 27, 1981
UF *Guards*
BT1 Personnel
BT2 Man
BT3 Primates
BT4 Mammals
BT5 Vertebrates
BT6 Animals
RT Security

SECURITY SEALS [01]
DA November 1, 1976
BT1 Physical Protection Devices
BT1 Seals

SECURITY VIOLATIONS
DA March 24, 1983
BT1 Violations
RT National Security
RT Personnel
RT Secrecy Protection
RT Security

SEDAN EVENT [01]
DA December 1, 1974
BT1 Cratering Explosions
BT2 Explosions
BT1 Plowshare Project

Sedatives
DA December 1, 1974
USE Hypnotics and Sedatives

Sediment Basins
DA October 10, 1985
USE Settling Ponds

SEDIMENT-WATER INTERFACES [01]
DA July 9, 1980
BT1 Interfaces
RT Adsorption
RT Limnology
RT Mineral Cycling
DEF The boundary layer between the sediment surface and the overlying water.

SEDIMENTARY BASINS [01]
DA March 4, 1980
BT1 Geologic Structures
NT1 Appalachian Basin
NT2 Chattanooga Formation
RT Limnology
RT Powder River Basin
RT Sedimentary Rocks
DEF A geologically depressed sediment-filled area.

SEDIMENTARY ROCKS [01]
DA December 1, 1974
BT1 Rocks
NT1 Carbonate Rocks
NT2 Limestone
NT3 Travertine
NT1 Chert
NT1 Conglomerates
NT2 Calcretes
NT1 Evaporites
NT1 Phosphate Rocks
NT2 Phosphorites
NT1 Sandstones
NT2 Graywacke
NT1 Shales
NT2 Argillite
NT2 Black Shales
NT2 Oil Shales
NT1 Siltstones
NT1 Sinters
RT Fossils
RT Sedimentary Basins

SEDIMENTATION [01]
DA December 1, 1974
RT Aerosols
RT Centrifugation
RT Decantation
RT Dusts
RT Fallout
RT Fallout Deposits
RT Particles
RT Precipitation
RT Sediments
RT Settling Ponds

SEDIMENTOMETERS
DA January 22, 1975
BT1 Measuring Instruments
RT Densimeters
RT Radiometric Gages

SEDIMENTS [01]
DA December 1, 1974
RT Catagenesis
RT Detritus
RT Diagenesis
RT Dredge Spoil
RT Environmental Materials
RT Geologic Deposits
RT Pore Pressure
RT River Deltas
RT Sea Bed
RT Sedimentation
RT Silt
RT Sludges

SEDOHEPTULOSE [01]
DA December 1, 1974
BT1 Ketones
BT2 Organic Compounds
BT1 Monosaccharides
BT2 Saccharides
BT3 Carbohydrates
BT4 Organic Compounds

SEEBECK EFFECT [01]
DA December 1, 1974
RT Thermoelectricity

SEED RECOVERY
DA June 30, 1975

SF *Recovery*
RT MHD Generators
RT Plasma Seeding
RT Seed-Slag Interactions
RT Spent Seed

SEED-SLAG INTERACTIONS [01]
DA April 11, 1979
RT Chemical Reactions
RT Coal-Fired MHD Generators
RT Plasma Seeding
RT Reaction Intermediates
RT Seed Recovery
RT Slags

SEEDIS
(Computer Index of Social, Economic, Environmental, and Demographic Data.)
DA November 10, 1981
BT1 Information Systems
RT Demography
RT Economic Impact
RT Environmental Impacts
RT Social Impact

SEEDLINGS [01]
DA December 1, 1974
RT Coleoptile
RT Germination
RT Plants

SEEDS [01]
DA December 1, 1974
UF *Fruit (Seeds)*
UF+ *Grains (Cereal)*
NT1 Coffee Beans
NT1 Mungbeans
NT1 Peanuts
RT Beans
RT Buffalo Gourd
RT Endosperm
RT Germination
RT Jojoba
RT Meadow Foam
RT Plants
RT Vernalization

SEEPS
DA April 12, 1977
RT Geochemical Surveys
RT Natural Gas Deposits
RT Petroleum Deposits
DEF The emergence of liquid petroleum or natural gas at the surface as a result of the slow migration from its buried source through minute pores or fissure networks.

SEFOR REACTOR [01]
DA December 1, 1974
UF *Southwest Experimental Fast Oxide Reactor*
BT1 Experimental Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Fast Reactors
BT2 Epithermal Reactors
BT3 Reactors
BT1 Plutonium Reactors
BT2 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Sodium Cooled Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors

SEGAS PROCESS
DA April 5, 1978
BT1 Steam Reformer Processes
BT2 Reformer Processes
BT3 Chemical Reactions
RT Synthesis Gas
DEF A noncatalytic thermal steam reformer process for production of synthesis gas from residual fuel oils or heavy crudes.

SEGREGATION [01]
DA December 1, 1974
RT Guinier-Preston Zones
RT Impurities
RT Solidification

SEIBERSDORF IAEA LABORATORY [01]
DA May 23, 1988
BT1 IAEA
BT2 International Organizations

SEIBERSDORF RESEARCH CENTRE [01]
DA July 15, 1988
BT1 Austrian Organizations
BT2 National Organizations
RT ASTRA Reactor

SEIDB
DA July 18, 1981
UF *Solar Energy Information Data Bank*
BT1 Information Systems

SEISMIC ARRAYS [01]
DA December 11, 1978
BT1 Measuring Instruments
NT1 Seismic Detectors
NT2 Seismographs
RT Seismic Detection
RT Seismic Sources
RT Seismic Surveys

SEISMIC DETECTION [01]
DA December 1, 1974
UF *Detection (Seismic)*
BT1 Detection
NT1 In-Country Detection
RT Benham Event
RT Boxcar Event
RT Nuclear Explosion Detection
RT Rayleigh Waves
RT Seismic Arrays
RT Seismic Detectors
RT Seismic Noise
RT Seismic P Waves
RT Seismic S Waves
RT Seismic Waves
RT Seismographs
RT Underground Explosions
RT Vela Project

SEISMIC DETECTORS [01]
DA September 14, 1976
UF *Geophones*
BT1 Seismic Arrays
BT2 Measuring Instruments
NT1 Seismographs
RT Ground Motion
RT Seismic Detection
RT Seismic Surveys
RT Seismic Waves

SEISMIC EFFECTS [01]
DA December 1, 1974
RT Blast Effects
RT Earthquakes
RT Ground Motion
RT Landslides
RT Nuclear Explosions
RT Seismic Events
RT Seismic Isolation
RT Seismic Noise
RT Seismic Waves
RT Shock Absorbers
RT Shock Waves
RT Soil-Structure Interactions
RT Underground Explosions

SEISMIC EVENTS [01]
DA December 16, 1976
NT1 Earthquakes
NT2 Microearthquakes
RT Explosions
RT Ground Motion
RT Nuclear Explosions
RT Rock Bursts
RT Seismic Effects
RT Seismic Waves

→**SEISMIC ISOLATION [01]**
DA October 9, 1990
RT Earthquakes
RT Safety Engineering
RT Seismic Effects
RT Shock Absorbers
RT Soil-Structure Interactions

SEISMIC NOISE [01]
DA January 24, 1975
UF *Microseism*
BT1 Noise
RT Seismic Detection
RT Seismic Effects
RT Seismic Waves
DEF A more or less continuous motion in the Earth that is unrelated to an earthquake and that has a period of 1.0-9.0 sec.

SEISMIC P WAVES [01]
DA December 1, 1974
UF *Body Waves P (Seismic)*
UF *P Waves (Seismic)*
BT1 Seismic Waves
RT Earthquakes
RT Seismic Detection
RT Underground Explosions

SEISMIC S WAVES [01]
DA November 17, 1976
UF *Body Waves S (Seismic)*
UF *S Waves (Seismic)*
UF *Shear Waves (Seismic)*
BT1 Seismic Waves
RT Earthquakes
RT Seismic Detection
RT Seismic Surveys
RT Underground Explosions

SEISMIC SOURCES
DA September 14, 1976
RT Seismic Arrays
RT Seismic Surveys
RT Seismic Waves
RT Sonic Logging
RT Sound Waves
DEF Devices for generating seismic pulses.

SEISMIC SURFACE WAVES [01]
DA July 5, 1978
UF *L Waves*
UF *Surface Waves (Seismic)*
BT1 Seismic Waves
NT1 Love Waves
NT1 Rayleigh Waves
RT Earthquakes
DEF A seismic wave that travels along the surface of the earth or parallel to the earth's surface.

SEISMIC SURVEYS [01]
DA January 23, 1975
BT1 Geophysical Surveys
BT2 Surveys
RT Acoustic Measurements
RT Geothermal Exploration
RT Magnetic Surveys
RT Seismic Arrays
RT Seismic Detectors
RT Seismic S Waves
RT Seismic Sources
DEF A method of geophysical prospecting using the generation, reflection, refraction, detection, and analysis of elastic waves in the Earth.

SEISMIC WAVES [01]
DA December 1, 1974
NT1 Seismic P Waves
NT1 Seismic S Waves
NT1 Seismic Surface Waves
NT2 Love Waves
NT2 Rayleigh Waves
RT Earthquakes
RT Ground Motion
RT Milrow Event
RT Seismic Detection
RT Seismic Detectors
RT Seismic Effects
RT Seismic Events
RT Seismic Noise
RT Seismic Sources
RT Seismographs

RT Seismology
RT Tsunamis
RT Underground Explosions
DEF The disturbance or earth tremors produced by a mechanical disturbance on the surface or underground.

SEISMICITY
DA July 5, 1978
RT Earthquakes
RT Risk Assessment
RT Subduction Zones
DEF Measure of frequency of earthquakes

SEISMOGRAPHS [01]
DA December 1, 1974
BT1 Seismic Detectors
BT2 Seismic Arrays
BT3 Measuring Instruments
RT Acoustic Measurements
RT Earthquakes
RT Ground Motion
RT Seismic Detection
RT Seismic Waves
RT Underground Explosions

SEISMOLOGY [01]
DA December 1, 1974
RT Displacement Rates
RT Earthquakes
RT Faultless Event
RT Geologic Structures
RT Ground Motion
RT Seismic Waves
RT Shock Waves
RT Underground Explosions
RT Vela Project
DEF The study of earthquakes, by extension, the study of the structure of the interior of the Earth via both natural and artificially generated seismic signals

SELECTION RULES [01]
DA December 1, 1974
NT1 Superselection Rules
RT Decay
RT Energy-Level Transitions
RT Forbidden Transitions
RT Interactions
RT Quantum Mechanics
RT Spurions

SELECTIVE CATALYTIC REDUCTION [01]
DA February 28, 1990
BT1 Denitrification
BT2 Chemical Reactions
BT1 Reduction
BT2 Chemical Reactions
RT Air Pollution Control
RT Catalysis
RT Flue Gas
RT Nitrogen Oxides

SELENATES [01]
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
DA December 1, 1974
BT1 Oxygen Compounds
BT1 Selenium Compounds
RT Selenium Oxides

Selengut Approximation
DA December 1, 1974
USE Selengut-Goertzel Equation

SELENGUT-GOERTZEL EQUATION [01]
DA December 1, 1974
UF *Selengut Approximation*
BT1 Equations
RT Neutron Slowing-Down Theory
RT Slowing-Down
RT Transport Theory

SELENIDES [01]
DA December 1, 1974
BT1 Chalcogenides
BT1 Selenium Compounds
NT1 Aluminium Selenides
NT1 Americium Selenides
NT1 Antimony Selenides
NT1 Arsenic Selenides
NT1 Berkelium Selenides
NT1 Beryllium Selenides
NT1 Bismuth Selenides
NT1 Cadmium Selenides
NT1 Californium Selenides
NT1 Cerium Selenides
NT1 Cesium Selenides
NT1 Chromium Selenides
NT1 Cobalt Selenides
NT1 Copper Selenides
NT1 Curium Selenides
NT1 Dysprosium Selenides
NT1 Erbium Selenides
NT1 Europium Selenides
NT1 Gadolinium Selenides
NT1 Gallium Selenides
NT1 Germanium Selenides
NT1 Hafnium Selenides
NT1 Holmium Selenides
NT1 Indium Selenides
NT1 Iron Selenides
NT1 Lanthanum Selenides
NT1 Lead Selenides
NT1 Lithium Selenides
NT1 Lutetium Selenides
NT1 Manganese Selenides
NT1 Mercury Selenides
NT1 Molybdenum Selenides
NT1 Neptunium Selenides
NT1 Nickel Selenides
NT1 Niobium Selenides
NT1 Palladium Selenides
NT1 Plutonium Selenides
NT1 Potassium Selenides
NT1 Praseodymium Selenides
NT1 Rhenium Selenides
NT1 Rhodium Selenides
NT1 Rubidium Selenides
NT1 Ruthenium Selenides
NT1 Samarium Selenides
NT1 Scandium Selenides
NT1 Silver Selenides
NT1 Sodium Selenides
NT1 Tantalum Selenides
NT1 Technetium Selenides
NT1 Terbium Selenides
NT1 Thallium Selenides
NT1 Thorium Selenides
NT1 Thulium Selenides
NT1 Tin Selenides
NT1 Titanium Selenides
NT1 Tungsten Selenides
NT1 Uranium Selenides
NT1 Vanadium Selenides
NT1 Ytterbium Selenides
NT1 Yttrium Selenides
NT1 Zinc Selenides
NT1 Zirconium Selenides
RT Intermetallic Compounds
RT Oxyselenides
RT Selenium Alloys

SELENITES [01]
DA December 1, 1974
BT1 Oxygen Compounds
BT1 Selenium Compounds

SELENIUM [01]
DA December 1, 1974
BT1 Semimetals
BT2 Elements

SELENIUM 65 [01]
DA June 29, 1993
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Selenium Isotopes
BT2 Isotopes

SELENIUM 68 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Selenium Isotopes
BT2 Isotopes

SELENIUM 69 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Selenium Isotopes
BT2 Isotopes

SELENIUM 70 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Selenium Isotopes
BT2 Isotopes

SELENIUM 71 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Selenium Isotopes
BT2 Isotopes

SELENIUM 72 [01]
DA December 1, 1974
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei

BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Selenium Isotopes
BT2 Isotopes

SELENIUM 72 TARGET [01]
DA July 12, 1976
BT1 Targets

SELENIUM 73 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Selenium Isotopes
BT2 Isotopes

SELENIUM 74 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Selenium Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

SELENIUM 74 TARGET [01]
DA July 9, 1976
BT1 Targets

SELENIUM 75 [01]
DA December 1, 1974
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Selenium Isotopes
BT2 Isotopes

SELENIUM 75 TARGET [01]
DA October 20, 1982
BT1 Targets

SELENIUM 76 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Selenium Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

SELENIUM 76 REACTIONS [01]
DA July 15, 1988
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

SELENIUM 76 TARGET [01]
DA July 9, 1976
BT1 Targets

SELENIUM 77 [01]
DA December 1, 1974
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Selenium Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

SELENIUM 77 TARGET [01]
DA July 9, 1976
BT1 Targets

SELENIUM 78 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Selenium Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

SELENIUM 78 TARGET [01]
DA July 9, 1976
BT1 Targets

SELENIUM 79 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Selenium Isotopes
BT2 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

SELENIUM 80 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Selenium Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

SELENIUM 80 REACTIONS [01]
DA February 21, 1986
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

SELENIUM 80 TARGET [01]
DA July 9, 1976
BT1 Targets

SELENIUM 81 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Selenium Isotopes
BT2 Isotopes

SELENIUM 82 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Selenium Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

SELENIUM 82 REACTIONS [01]
DA January 9, 1981
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

SELENIUM 82 TARGET [01]
DA July 9, 1976
BT1 Targets

SELENIUM 83 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Selenium Isotopes
BT2 Isotopes

SELENIUM 84 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Selenium Isotopes
BT2 Isotopes

SELENIUM 85 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Selenium Isotopes
BT2 Isotopes

SELENIUM 86 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Selenium Isotopes
BT2 Isotopes

SELENIUM 87 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Selenium Isotopes
BT2 Isotopes

SELENIUM 88 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Selenium Isotopes
BT2 Isotopes

SELENIUM 89 [01]
DA February 19, 1975
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Selenium Isotopes
BT2 Isotopes

SELENIUM 91 [01]
DA March 11, 1976
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Selenium Isotopes
BT2 Isotopes

SELENIUM ADDITIONS [01]
DA December 1, 1974
BT1 Selenium Alloys
BT2 Alloys

SELENIUM ALLOYS [01]
DA December 1, 1974
BT1 Alloys
NT1 Selenium Additions
RT Selenides

SELENIUM BROMIDES [01]
DA December 1, 1974
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Selenium Compounds

SELENIUM CARBIDES [01]
DA December 1, 1974
BT1 Carbides
BT2 Carbon Compounds
BT1 Selenium Compounds

SELENIUM CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Selenium Compounds

SELENIUM COMPLEXES [01]
DA December 1, 1974
BT1 Complexes

SELENIUM COMPOUNDS [01]
DA December 1, 1974
NT1 Oxyselenides
NT1 Selenates
* NT1 Selenides
NT1 Selenites
NT1 Selenium Bromides
NT1 Selenium Carbides
NT1 Selenium Chlorides
NT1 Selenium Fluorides
NT1 Selenium Hydrides
NT1 Selenium Hydroxides
NT1 Selenium Iodides
NT1 Selenium Oxides
NT2 Guilleminite
NT1 Selenium Sulfides
NT1 Selenium Tellurides
NT1 TMTSF

SELENIUM FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Selenium Compounds

SELENIUM HYDRIDES [01]
DA December 1, 1974
UF *Hydrogen Selenides*
BT1 Hydrides
BT2 Hydrogen Compounds
BT1 Selenium Compounds

SELENIUM HYDROXIDES [01]
DA December 1, 1974
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds
BT1 Selenium Compounds

SELENIUM IODIDES [01]
DA December 1, 1974
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds
BT1 Selenium Compounds

SELENIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

SELENIUM ISOTOPES [01]
DA December 1, 1974
BT1 Isotopes
NT1 Selenium 65
NT1 Selenium 68
NT1 Selenium 69
NT1 Selenium 70
NT1 Selenium 71
NT1 Selenium 72
NT1 Selenium 73
NT1 Selenium 74
NT1 Selenium 75
NT1 Selenium 76
NT1 Selenium 77
NT1 Selenium 78
NT1 Selenium 79
NT1 Selenium 80
NT1 Selenium 81
NT1 Selenium 82
NT1 Selenium 83
NT1 Selenium 84
NT1 Selenium 85
NT1 Selenium 86
NT1 Selenium 87
NT1 Selenium 88
NT1 Selenium 89
NT1 Selenium 91

SELENIUM ORES [01]
DA December 1, 1974
BT1 Ores

SELENIUM OXIDES [01]
DA December 1, 1974
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds
BT1 Selenium Compounds
NT1 Guilleminite
RT Oxide Minerals
RT Selenates

SELENIUM SOLAR CELLS [01]
DA November 11, 1975
BT1 Solar Cells
BT2 Photovoltaic Cells
BT3 Photoelectric Cells
BT4 Direct Energy Converters
BT2 Solar Equipment
BT3 Equipment

SELENIUM SULFIDES [01]
DA December 1, 1974
BT1 Selenium Compounds
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds

SELENIUM TELLURIDES [01]
DA May 12, 1982
BT1 Selenium Compounds
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds

SELEXOL PROCESS
DA January 27, 1975
BT1 Desulfurization
BT2 Chemical Reactions
DEF Process for gas purification and removal of H_2S, CO_2, COS, mercaptans, etc., from gas streams by physical absorption using dimethyl ether of polyethylene glycol, trade named Selexol.

SELF-ABSORPTION [01]
DA December 1, 1974
BT1 Absorption
BT2 Sorption

SELF-CONSISTENT FIELD [01]
DA December 1, 1974
RT Atomic Models
RT Hartree-Fock-Bogolyubov Theory
RT Hartree-Fock Method
RT LCAO Method
RT Mean-Field Theory

SELF-DIFFUSION [01]
DA December 1, 1974
BT1 Diffusion

SELF-ENERGY [01]
DA December 1, 1974

BT1 Energy
RT Quantum Electrodynamics

SELF-IRRADIATION [01]
DA December 1, 1974
BT1 Irradiation
RT Autoradiolysis
RT Radiation Effects

Self Potential Logging
DA June 7, 1976
USE SP Logging

SELF-POTENTIAL SURVEYS
DA August 24, 1976
BT1 Electrical Surveys
BT2 Geophysical Surveys
BT3 Surveys
DEF Electrical surveys based on the detection of electric potentials developed in the earth.

SELF-POWERED DETECTORS [01]
DA December 1, 1974
BT1 Radiation Detectors
BT2 Measuring Instruments
NT1 Self-Powered Gamma Detectors
NT1 Self-Powered Neutron Detectors
RT Compton Diode Detectors

SELF-POWERED GAMMA DETECTORS [01]
DA December 1, 1974
BT1 Self-Powered Detectors
BT2 Radiation Detectors
BT3 Measuring Instruments

SELF-POWERED NEUTRON DETECTORS [01]
DA December 1, 1974
UF *Collectrons*
BT1 Neutron Detectors
BT2 Radiation Detectors
BT3 Measuring Instruments
BT1 Self-Powered Detectors
BT2 Radiation Detectors
BT3 Measuring Instruments

SELF-PUMPING SYSTEMS
DA November 7, 1979
BT1 Circulating Systems
RT Pumping
RT Pumps
RT Thermosyphon Effect

Self-Serve Stations
DA May 9, 1979
USE Gasoline Service Stations

SELF-SHIELDING [01]
DA December 1, 1974
BT1 Shielding
RT Absorption

SELF-WELDING
DA August 7, 1979
BT1 Bonding
BT2 Joining
BT3 Fabrication
RT Welding
DEF The bonding of surfaces of similar materials after exposure to high-temperature and load conditions.

SELLAFIELD REPROCESSING PLANT [01]
DA July 10, 1984
UF *Windscale Reprocessing Plant*
BT1 Fuel Reprocessing Plants
BT2 Nuclear Facilities

SELLBACK [01]
(Sellback of excess energy to a public utility by a consumer.)
DA March 4, 1980
UF *Buyback*
RT Economics
RT Interconnected Power Systems
RT Legal Aspects
RT Public Utilities
RT Rate Structure
RT Surplus Power

Sellers
DA October 3, 1979
USE Marketers

SELNI REACTOR [01]
DA December 1, 1974
UF *Trino Vercellese Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

Selox Process
(Prior to July 1993, this was a valid descriptor.)
DA October 25, 1985
USE Coal Gasification
DEF The selective oxidation (Selox) process involves the partial oxidation of methane in a catalytic fluid bed reactor to generate synthesis gas. The synthesis gas produced has a stoichiometry which is attractive for methanol synthesis.

SEM (Microscopy)
DA October 3, 1979
USE Scanning Electron Microscopy

SEMI-EXCLUSIVE INTERACTIONS [01]
DA December 23, 1987
BT1 Exclusive Interactions
BT2 Particle Interactions
BT3 Interactions
RT Semi-Inclusive Interactions

Semi-Homogeneous Critical Assembly
DA December 1, 1974
USE SHCA Reactor

SEMI-INCLUSIVE INTERACTIONS [01]
DA May 2, 1979
BT1 Inclusive Interactions
BT2 Particle Interactions
BT3 Interactions
RT Semi-Exclusive Interactions

SEMIBATCH CULTURE [01]
DA June 14, 1978
RT Aerobic Digestion
RT Anaerobic Digestion
RT Batch Culture
RT Continuous Culture
RT Culture Media
RT Fermentation
RT Single Cell Protein

SEMICARBAZIDES [01]
DA December 1, 1974
BT1 Carbonic Acid Derivatives
BT2 Organic Compounds
BT1 Organic Nitrogen Compounds
BT2 Organic Compounds
BT1 Organic Oxygen Compounds
BT2 Organic Compounds

SEMICARBAZONES [01]
DA December 1, 1974
BT1 Carbonic Acid Derivatives
BT2 Organic Compounds
BT1 Organic Nitrogen Compounds
BT2 Organic Compounds
RT Aldehydes
RT Ketones

Semicircular Spectrometers
DA December 1, 1974
USE Flat Magnetic Spectrometers

SEMICLASSICAL APPROXIMATION [01]
DA December 1, 1974
RT Quantum Mechanics
RT Scattering

SEMICOKE
DA February 19, 1976
RT Coke
RT Coking
RT Fuels
RT Semicoking
DEF The solid residue obtained by carbonization, esp. of coal at a relatively low temperature (as below 700°C) that is in general softer and more friable than coke from carbonization at higher temperatures, that gives a hot smokeless fire, and that can be used as a domestic fuel.

SEMICOKING
DA February 19, 1976
RT Coke
RT Coking
RT Fuels
RT Semicoke

Semiconductor Counters
DA December 1, 1974
USE Semiconductor Detectors

SEMICONDUCTOR DETECTORS [01]
DA December 1, 1974
UF *Semiconductor Counters*
BT1 Radiation Detectors
BT2 Measuring Instruments
NT1 Bulk Semiconductor Detectors
NT1 CDTE Semiconductor Detectors
NT1 Ge Semiconductor Detectors
NT2 High-Purity GE Detectors
NT2 Li-Drifted Ge Detectors
NT1 HgI2 Semiconductor Detectors
NT1 InSb Semiconductor Detectors
NT1 Junction Detectors
NT2 Li-Drifted Junction Detectors
NT1 Li-Drifted Detectors
NT2 Li-Drifted Ge Detectors
NT2 Li-Drifted Junction Detectors
NT2 Li-Drifted Si Detectors
NT1 Si Semiconductor Detectors
NT2 Li-Drifted Si Detectors
NT1 Surface Barrier Detectors
RT Dosemeters
RT Radiator Counters
RT Semiconductor Devices

SEMICONDUCTOR DEVICES [01]
DA December 1, 1974
NT1 Charge-Coupled Devices
NT1 Semiconductor Diodes
NT2 Germanium Diodes
NT2 Junction Diodes
NT2 Light Emitting Diodes
NT2 Photodiodes
NT2 Schottky Barrier Diodes
NT2 Silicon Diodes
NT2 Switching Diodes
NT2 Tunnel Diodes
NT2 Variable Capacitance Diodes
NT1 Semiconductor Lasers
NT1 Semiconductor Rectifiers
NT1 Semiconductor Resistors
NT1 Semiconductor Storage Devices
NT1 Semiconductor Switches
NT1 Thermistors
NT1 Thyristors
NT1 Transistors
NT2 Field Effect Transistors
NT3 MOSFET
NT2 Junction Transistors
NT2 MIS Transistors
NT2 MOS Transistors
NT3 MOSFET
NT2 Phototransistors
NT2 Surface Barrier Transistors
RT Depletion Layer
RT Display Devices
RT Electrical Equipment
RT Electronic Equipment
RT Miniaturization
RT Oscillators

RT Photoelectric Cells
RT Semiconductor Detectors

SEMICONDUCTOR DIODES [01]
DA December 1, 1974
UF *Diodes (Semiconductor)*
BT1 Semiconductor Devices
NT1 Germanium Diodes
NT1 Junction Diodes
NT1 Light Emitting Diodes
NT1 Photodiodes
NT1 Schottky Barrier Diodes
NT1 Silicon Diodes
NT1 Switching Diodes
NT1 Tunnel Diodes
NT1 Variable Capacitance Diodes
RT Betavoltaic Cells
RT Photovoltaic Cells
RT Semiconductor Junctions
RT Semiconductor Rectifiers
RT Thermionic Diodes

SEMICONDUCTOR JUNCTIONS [01]
DA December 1, 1974
UF *Junctions (Semiconductor)*
BT1 Junctions
NT1 Heterojunctions
NT1 Homojunctions
NT1 MIM Junctions
NT1 P-N Junctions
RT Josephson Junctions
RT Junction Transistors
RT Semiconductor Diodes
RT Semiconductor Materials

SEMICONDUCTOR LASERS [01]
DA December 1, 1974
BT1 Semiconductor Devices
BT1 Solid State Lasers
BT2 Lasers

SEMICONDUCTOR MATERIALS [01]
(If possible index also the specific compounds.)
DA December 1, 1974
UF *Materials (Semiconductor)*
BT1 Materials
NT1 Magnetic Semiconductors
NT1 N-Type Conductors
NT1 Organic Semiconductors
NT1 P-Type Conductors
RT Depletion Layer
RT Doped Materials
RT Electric Conductors
RT Electron Mobility
RT Fano Factor
RT Graded Band Gaps
RT P-N Junctions
RT Photoconductors
RT Semiconductor Junctions
RT Semimetals
RT Thermoelectric Materials
RT Traps

SEMICONDUCTOR RECTIFIERS [01]
DA December 1, 1974
BT1 Rectifiers
BT2 Electrical Equipment
BT3 Equipment
BT1 Semiconductor Devices
RT Semiconductor Diodes

SEMICONDUCTOR RESISTORS [01]
DA December 1, 1974
UF *Varistors*
BT1 Resistors
BT2 Electrical Equipment
BT3 Equipment
BT1 Semiconductor Devices

SEMICONDUCTOR STORAGE DEVICES [01]
DA December 1, 1974
BT1 Memory Devices
BT1 Semiconductor Devices

SEMICONDUCTOR SWITCHES [01]
DA December 1, 1974
BT1 Semiconductor Devices
BT1 Switches
BT2 Electrical Equipment
BT3 Equipment

Semidiurnal Variation
DA December 1, 1974
USE Daily Variations

SEMILEPTONIC DECAY [01]
DA May 1, 1978
BT1 Weak Particle Decay
BT2 Particle Decay
BT3 Decay
RT Beta Decay
RT Leptonic Decay
RT Leptons
RT Neutrinos
RT Weak Hadronic Decay
DEF Weak decay with at least one neutrino and hadron among decay products.

SEMIMETALS [01]
DA December 1, 1974
UF *Metalloids*
BT1 Elements
NT1 Arsenic
NT1 Boron
NT1 Selenium
NT1 Silicon
NT1 Tellurium
RT Alloys
RT Intermetallic Compounds
RT Metals
RT Nonmetals
RT Semiconductor Materials

Seminal Vesicles
DA December 1, 1974
USE Male Genitals

SENA Reactor
DA December 1, 1974
USE Ardennes Reactor

SENDAI-1 REACTOR [01]
(Sendai, Kagoshima, Japan)
DA October 23, 1979
UF *Kyushu-3 Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

SENDAI-2 REACTOR [01]
DA July 8, 1982
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

SENEGAL [01]
DA December 1, 1974
BT1 Africa
BT1 Developing Countries

SENGIERITE [01]
DA December 1, 1974
BT1 Copper Oxides
BT2 Copper Compounds
BT3 Transition Element Compounds
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT1 Oxide Minerals
BT2 Minerals
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
BT1 Uranium Oxides
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT2 Uranium Compounds
BT3 Actinide Compounds
BT1 Vanadium Oxides
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT2 Vanadium Compounds
BT3 Transition Element Compounds

Senior Centers
DA January 9, 1981
USE Public Buildings

SENIOR EXECUTIVE SERVICE
DA June 13, 1981
RT Management
RT Personnel

SENIORITY NUMBER [01]
DA December 1, 1974
BT1 Quantum Numbers
RT Quantum Mechanics

SENN Reactor
DA December 1, 1974
USE Garigliano Reactor

SENSE ORGANS [01]
DA December 1, 1974
BT1 Organs
BT2 Body
NT1 Auditory Organs
NT1 Eyes
NT2 Conjunctiva
NT2 Cornea
NT2 Crystalline Lens
NT2 Lacrimal Ducts
NT2 Retina
NT2 Uvea
NT1 Taste Buds
NT1 Vestibular Apparatus
RT Chemoreceptors
RT Head
RT Nervous System
RT Nose
RT Olfactory Bulbs
RT Organoleptic Properties
RT Receptors
RT Reflexes
RT Sense Organs Diseases

SENSE ORGANS DISEASES [01]
DA December 1, 1974
BT1 Diseases
NT1 Cataracts
NT1 Conjunctivitis
RT Nervous System Diseases
RT Ophthalmology
RT Sense Organs
RT Skin Diseases

SENSIBLE HEAT STORAGE [01]
DA June 30, 1977
BT1 Heat Storage
BT2 Energy Storage
BT3 Storage
RT Rock Beds
RT Seasonal Thermal Energy Storage
RT Tanks
RT Thermal Energy Storage Equipment
RT Thermal Mass
RT Trombe Walls
RT Water Walls
DEF Thermal energy storage utilizing the specific heat capacity of a material without changing the phase of the material.

SENSITIVITY [01]
DA December 1, 1974
NT1 Photosensitivity
RT Accuracy
RT Biological Adaptation
RT Biological Effects
RT Dead Time
RT Resolution

RT Specificity
RT Spectral Response

SENSITIVITY ANALYSIS [01]
DA July 18, 1979
RT Calculation Methods
RT Computer Calculations
RT Errors
RT Mathematical Models
RT Parametric Analysis
RT Response Functions
DEF Response of a mathematical model to variations of the input parameters.

SENSITIZERS [01]
DA December 1, 1974
BT1 Reagents

SEPA
DA March 29, 1980
USE Southeastern Power Administration

SEPARATED ORBIT CYCLOTRONS [01]
DA December 1, 1974
BT1 Cyclotrons
BT2 Cyclic Accelerators
BT3 Accelerators
NT1 ORNL Separated Orbit Cyclotron

Separation Energy
DA December 1, 1974
USE Binding Energy

SEPARATION EQUIPMENT [01]
DA May 18, 1981
SF *Oil-Water Separators*
NT1 Extraction Apparatuses
NT2 Extraction Columns
NT2 Mist Extractors
NT2 Mixer-Settlers
NT2 Podbielniak Contactors
NT1 Inertial Separators
NT2 Cyclone Separators
NT1 Vapor Separators
NT2 Steam Separators
RT Separation Processes

SEPARATION NOZZLE METHOD [01]
DA December 1, 1974
BT1 Isotope Separation
BT2 Separation Processes
RT Nozzles

SEPARATION PROCESSES [01]
DA December 1, 1974
NT1 Centrifugation
NT2 Gas Centrifugation
NT2 Ultracentrifugation
NT1 Chemisorption
NT1 Chromatography
NT2 Extraction Chromatography
NT2 Gas Chromatography
NT2 Gel Permeation Chromatography
NT2 Ion Exchange Chromatography
NT2 Liquid Column Chromatography
NT2 Radiochromatography
NT2 Supercritical Fluid Chromatography
NT2 Thermochromatography
NT2 Thin-Layer Chromatography
NT1 CNG Process
NT1 Decantation
NT1 Demetallization
NT1 Demineralization
NT2 Desalination
NT1 Dewaxing
NT1 Dialysis
NT2 Electrodialysis
NT1 Distillation
NT2 Destructive Distillation
NT2 Vacuum Distillation
NT1 Electrostatic Separation
NT1 Elutriation
NT1 Extraction
NT2 Deasphalting
NT2 Reductive Extraction
NT2 Solvent Extraction
NT3 CMPO
NT3 PHENOSOLVAN Process
NT3 Supercritical Gas Extraction
NT1 Filtration
NT2 Ultrafiltration
NT1 Flotation
NT1 Foam Separation
NT1 Fractionation
NT1 Freezing Out
NT1 Heavy Media Separation
NT2 Otisca Process
NT1 Isotope Separation
NT2 Dual Temperature Process
NT2 Electromagnetic Isotope Separation
NT2 Gas Centrifugation
NT2 Gaseous Diffusion Process
NT2 Laser Isotope Separation
NT2 Separation Nozzle Method
NT1 Leaching
NT2 Microbial Leaching
NT1 Licado Process
NT1 Metal Transfer Process
NT1 Multi-Element Separation
NT1 Ore Enrichment
NT1 PHOSAM Process
NT1 Precipitation
NT2 Coprecipitation
NT2 Flocculation
NT1 Precipitation Scavenging
NT2 Washout
NT1 Reprocessing
NT2 AIROX Process
NT2 AMEX Process
NT2 Arco Process
NT2 Butex Process
NT2 Carbox Process
NT2 Chloride Volatility Process
NT2 CIVEX Process
NT2 CSREX Process
NT2 Dapex Process
NT2 Darex Process
NT2 EUREX Process
NT2 Excer Process
NT2 Fluoride Volatility Process
NT2 Fluorox Process
NT2 Flurex Process
NT2 Hermex Process
NT2 Monex Process
NT2 Neptex Process
NT2 Niflex Process
NT2 PROMEX Process
NT2 Purex Process
NT3 Halex Process
NT3 Saltex Process
NT2 Pyrochemical Reprocessing
NT2 Redox Process
NT2 Sulfex Process
NT2 Thermox Process
NT2 Thorex Process
NT2 Tramex Process
NT2 Zircex Process
NT2 Zirflex Process
NT1 Slurex Process
NT1 Talspeak Process
NT1 Truex Process
NT1 Zone Refining
RT Adsorption
RT Concentrators
RT Crystallization
RT Cyclone Separators
RT Dust Collectors
RT Electrostatic Precipitators
RT Ion Exchange
RT Jigs
RT Magnetic Filters
RT Magnetic Separators
RT Particle Size Classifiers
RT Purification
RT Refining
RT Removal
RT Ring Oven Method
RT Screens
RT Separation Equipment
RT Sorting
RT Sublimation
RT Supported Liquid Membranes
RT Tailings
RT Thermal Diffusion

Separators (Steam)
DA December 1, 1974
USE Steam Separators

Separators (Vapor)
DA December 1, 1974
USE Vapor Separators

SEPIOLITE
DA February 9, 1983
BT1 Clays
BT1 Magnesium Silicates
BT2 Magnesium Compounds
BT3 Alkaline Earth Metal Compounds
BT2 Silicates
BT3 Oxygen Compounds
BT3 Silicon Compounds
BT1 Silicate Minerals
BT2 Minerals
DEF A chain-lattice clay mineral:$Mg_4(Si_2O_5)_3(OH)_2.6H_2O$.

SEPTICEMIA [01]
DA December 1, 1974
RT Blood

SEPTUM MAGNETS [01]
DA April 4, 1975
BT1 Electromagnets
BT2 Electrical Equipment
BT3 Equipment
BT2 Magnets
RT Beam Extraction
RT Beam Optics
RT Electrostatic Septa
RT Magnet Coils
RT Magnetic Analyzers

SEQUENTIAL CIRCUITS [01]
DA December 1, 1974
BT1 Electronic Circuits
RT Digital Circuits

SEQUENTIAL SCANNING [01]
DA July 20, 1983
BT1 Counting Techniques
RT Biomedical Radiography
RT Computerized Tomography
RT Dynamic Function Studies
RT Image Scanners

Sequestrene
DA December 1, 1974
USE EDTA

SEQUIM BAY [01]
(Site of new HAPO Marine Research Lab.)
DA June 12, 1975
BT1 Bays
BT2 Coastal Waters
BT3 Surface Waters
BT1 Pacific Ocean
BT2 Seas
BT3 Surface Waters
RT Coastal Waters
RT HAPO
RT Washington

SEQUOYAH-1 REACTOR [01]
(Daisy, Tennessee, USA)
DA December 1, 1974
UF *Sequoyah Nuclear Power Plant Unit-1*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

SEQUOYAH-2 REACTOR [01]
(Daisy, Tennessee, USA)
DA December 1, 1974
UF *Sequoyah Nuclear Power Plant Unit-2*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors

BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

Sequoyah Nuclear Power Plant Unit-1
DA December 1, 1974
USE Sequoyah-1 Reactor

Sequoyah Nuclear Power Plant Unit-2
DA December 1, 1974
USE Sequoyah-2 Reactor

SEQUOYAH UF6 PRODUCTION PLANT [01]
DA December 1, 1974
BT1 Industrial Plants
BT1 US AEC
BT2 US Organizations
BT3 National Organizations
BT1 US DOE
BT2 US Organizations
BT3 National Organizations
BT1 US ERDA
BT2 US Organizations
BT3 National Organizations
RT Oklahoma
RT Uranium Hexafluoride

SER REACTOR [01]
DA December 1, 1974
UF *SNAP-2 Experimental Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 NaK Cooled Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors
BT1 Potassium Cooled Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors
BT1 Process Heat Reactors
BT2 Reactors
BT1 Sodium Cooled Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors

SERAC COMPUTERS [01]
DA December 1, 1974
BT1 Computers

Serber-Goldberger Model
DA December 1, 1974
USE Goldberger Model

SERBER THEORY [01]
DA December 1, 1974
RT Stripping

SERBER-WILSON METHOD [01]
DA December 1, 1974
RT Neutron Transport Theory
RT Transport Theory

SERI
DA February 14, 1978
USE Solar Energy Research Institute

SERIES EXPANSION [01]
DA December 1, 1974
NT1 Cluster Expansion
NT1 Neumann Series
NT1 Operator Product Expansion
NT1 Power Series
RT Boson Expansion
RT Continued Fractions
RT Convergence
RT Equations
RT Functions
RT Mathematics
RT Pade Approximation
RT Spline Functions
RT Superconvergence Relations

SERINE [01]
DA December 1, 1974
UF *Hydroxy-alpha-Alanine-beta*
BT1 Amino Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT1 Hydroxy Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds

SERINE PROTEINASES [01]
(Code number 3.4.21.)
DA January 12, 1981
BT1 Peptide Hydrolases
BT2 Hydrolases
BT3 Enzymes
BT4 Proteins
BT5 Organic Compounds
NT1 Chymotrypsin
NT1 Fibrinolysin
NT1 Kallikrein
NT1 Properdin
NT1 Thrombin
NT1 Trypsin

SEROTONIN [01]
DA December 1, 1974
BT1 Hydroxy Compounds
BT2 Organic Compounds
BT1 Neuroregulators
BT2 Autonomic Nervous System Agents
BT3 Drugs
BT1 Radioprotective Substances
BT2 Drugs
BT1 Sympathomimetics
BT2 Autonomic Nervous System Agents
BT3 Drugs
BT1 Tryptamines
BT2 Amines
BT3 Organic Compounds
BT2 Indoles
BT3 Azaarenes
BT4 Aromatics
BT5 Organic Compounds
BT4 Heterocyclic Compounds
BT5 Organic Compounds
BT4 Organic Nitrogen Compounds
BT5 Organic Compounds
BT3 Pyrroles
BT4 Azoles
BT5 Heterocyclic Compounds
BT6 Organic Compounds
BT5 Organic Nitrogen Compounds
BT6 Organic Compounds
NT1 Bufotenine

SEROUS MEMBRANES [01]
DA December 1, 1974
BT1 Membranes
NT1 Mesentery
NT1 Pericardium
NT1 Peritoneum
NT1 Pleura

SERPENTINE
DA January 22, 1975
BT1 Silicate Minerals
BT2 Minerals
RT Magnesium Silicates
DEF A group of common rock-forming minerals having the formula: $(Mg,Fe)_3Si_2O_5(OH)_4$.

SERPENTINITES
DA August 12, 1980
BT1 Metamorphic Rocks
BT2 Rocks

SERPUKHOV SYNCHROTRON [01]
DA December 1, 1974
BT1 Synchrotrons
BT2 Cyclic Accelerators
BT3 Accelerators
RT IHEP
RT Serpukhov Tevatron

SERPUKHOV TEVATRON [01]
(3-TeV accelerating-storage complex based on the Serpukhov Synchrotron.)
DA December 13, 1985
BT1 Storage Rings
BT1 Synchrotrons
BT2 Cyclic Accelerators
BT3 Accelerators
RT Serpukhov Synchrotron

SERRATIA [01]
DA December 1, 1974
BT1 Bacteria
BT2 Microorganisms

Serum (Blood)
DA December 1, 1974
USE Blood Serum

Serum (Immune)
DA December 1, 1974
USE Immune Serums

SERVICE LIFE [01]
DA August 4, 1976
UF *Life (Service)*
UF *Useful Life*
BT1 Lifetime
RT Life-Cycle Cost

SERVICE SECTOR [01]
DA August 12, 1980
RT Commercial Sector
RT Sectoral Analysis

Service Stations
DA May 9, 1979
USE Gasoline Service Stations

Service Water Systems
DA January 30, 1975
USE Auxiliary Water Systems

SERVOMECHANISMS [01]
DA December 1, 1974
BT1 Control Equipment
BT2 Equipment
RT Actuators
RT Feedback
RT Remote Control

SESAME OIL [01]
DA December 1, 1974
UF *Beni Oil*
UF *Benne Oil*
UF *Gigily Oil*
UF *Gingelly Oil*
UF *Gingily Oil*
UF *Teal Oil*
UF *Teel Oil*
UF *Til Oil*
BT1 Vegetable Oils
BT2 Oils
BT3 Other Organic Compounds
BT4 Organic Compounds

SET THEORY [01]
DA May 3, 1979
BT1 Mathematics
RT Fuzzy Logic
RT Information Theory
DEF Study of structure and size of sets from viewpoint of axioms imposed.

SETTLING PONDS [01]
DA October 10, 1985
UF *Sediment Basins*
BT1 Ponds
BT2 Surface Waters
RT Drainage
RT Runoff
RT Sedimentation
RT Waste Processing

SEVERANCE TAX
DA March 17, 1981
UF *Production Tax*
BT1 Taxes
RT Resource Depletion
DEF Tax on the taking and use of natural resources imposed at the time the mineral or other product is extracted.

SEVERN RIVER [01]
DA January 7, 1976
BT1 Rivers
BT2 Streams

BT3 Surface Waters
RT United Kingdom

SEWAGE
DA January 27, 1976
BT1 Wastes
NT1 Sewage Sludge
RT Activated Sludge Process
RT Compost
RT Organic Wastes

SEWAGE SLUDGE [01]
DA January 23, 1976
BT1 Biological Wastes
BT2 Biological Materials
BT3 Materials
BT2 Wastes
BT1 Sewage
BT2 Wastes
BT1 Sludges
RT Anaerobic Digestion
RT Ground Disposal
RT Slurries
RT Soil Conservation
DEF Semiliquid waste resulting from sedimentation of solids from raw sewage or from digestion, trickling filter, or activated sludge processes.

SEX [01]
DA December 1, 1974
RT Female Genitals
RT Females
RT Gonads
RT Heterochromosomes
RT Male Genitals
RT Males
RT Mating
RT Pheromone
RT Reproduction
RT Sex Chromatin
RT Sex Dependence
RT Sex Ratio

SEX CHROMATIN [01]
DA December 1, 1974
BT1 Chromatin
RT Sex

Sex Chromosomes
DA December 1, 1974
USE Heterochromosomes

SEX DEPENDENCE [01]
DA November 1, 1976
RT Females
RT Males
RT Sex

SEX RATIO [01]
DA December 1, 1974
RT Progeny
RT Sex

SEYFERT GALAXIES [01]
DA December 1, 1974
BT1 Galaxies
RT Quasars

SF NATEKO PROCESS
DA January 23, 1976
BT1 Lime-Limestone Wet Scrubbing Processes
BT2 Desulfurization
BT3 Chemical Reactions
BT2 Scrubbing
RT Stack Disposal
DEF Desulfurization process for stack gases by countercurrent contact with lime slurry.

Sferics
DA December 1, 1974
USE Atmospherics

SGHWR REACTOR [01]
DA December 1, 1974
UF *Steam Generating Heavy Water Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Water Cooled Reactors
BT2 Reactors

SGR TYPE REACTORS [01]
DA December 1, 1974
UF *Sodium Cooled Graphite Moderated Reactors*
BT1 Graphite Moderated Reactors
BT2 Reactors
BT1 Sodium Cooled Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors
NT1 SRE Reactor
RT Power Reactors

SH-PROTEINASES [01]
(Code number 3.4.22)
DA January 12, 1981
BT1 Peptide Hydrolases
BT2 Hydrolases
BT3 Enzymes
BT4 Proteins
BT5 Organic Compounds
NT1 Cathepsins
NT1 Papain
NT1 Streptococcal Proteinase

SHADING
DA August 19, 1975
RT Curtains
RT Shutters
RT Solar Flux
RT Sun Shades

SHADOW EFFECT [01]
DA December 1, 1974
RT Cross Sections
RT Nuclear Reactions
RT Scattering

SHAFT EXCAVATIONS [01]
DA March 8, 1977
NT1 Mine Shafts
NT2 Abandoned Shafts
RT Excavation
RT Konrad Ore Mine
RT Mining
RT Radioactive Waste Disposal
RT Shaft Guides
RT Tunneling
DEF A vertical or inclined opening of uniform and limited cross section, as made for mining ore.

SHAFT GUIDES
DA August 12, 1980
UF *Guides (Shaft)*
RT Shaft Excavations

SHAFTS
(Not for mines or underground excavation. See also MINE SHAFTS.)
DA January 24, 1975
BT1 Machine Parts
NT1 Mechanical Shafts
RT Pumps
RT Rotation
RT Rotors

SHALE GAS
DA January 31, 1975
BT1 Gases
BT2 Fluids
RT Oil Shales

Shale Mining
DA February 9, 1983
USE Oil Shale Mining

SHALE OIL [01]
DA December 1, 1974
BT1 Fossil Fuels
BT2 Energy Sources
BT2 Fuels
NT1 Shale Oil Fractions
RT Fischer Assay
RT Hydroretorting Assay
RT Ichthammol
RT Kerogen
RT Oil Shale Industry
RT Oil Shales
RT Pyrolytic Oils
RT Shale Tar Oils
RT Synthetic Petroleum

SHALE OIL FRACTIONS
DA March 11, 1976
UF *Green Oil*
BT1 Shale Oil
BT2 Fossil Fuels
BT3 Energy Sources
BT3 Fuels
RT Oil Shales

SHALE TAR
DA January 27, 1975
BT1 Tar
BT2 Other Organic Compounds
BT3 Organic Compounds
RT Bituminous Materials
RT Shale Tar Acids
RT Shale Tar Bases
RT Shale Tar Oils

SHALE TAR ACIDS
DA August 24, 1976
BT1 Organic Acids
BT2 Organic Compounds
RT Shale Tar

SHALE TAR BASES
DA July 7, 1976
BT1 Bases
BT1 Organic Compounds
RT Shale Tar

SHALE TAR OILS
DA May 15, 1975
BT1 Oils
BT2 Other Organic Compounds
BT3 Organic Compounds
RT Shale Oil
RT Shale Tar

SHALE TAR WATER
DA January 31, 1975
BT1 Waste Water
BT2 Liquid Wastes
BT3 Wastes
BT2 Water
BT3 Hydrogen Compounds
BT3 Oxygen Compounds

SHALES [01]
DA December 1, 1974
BT1 Sedimentary Rocks
BT2 Rocks
NT1 Argillite
NT1 Black Shales
NT1 Oil Shales
RT Carbonate Minerals
RT Clays
RT Feldspars
RT Iron Oxides
RT Oxide Minerals
RT Quartz
RT Silt
RT Siltstones
RT Spent Shales

Shallow Land Burial
DA April 29, 1986
USE Ground Disposal

Shanghai INR Cyclotron
DA July 7, 1983
USE INR Cyclotron

SHAPE [01]
DA December 1, 1974
NT1 Parabolas
NT1 Troposkien Shape
RT Cones
RT Configuration
RT Cylinders

RT Dimensions
RT Mass Distribution
RT Morphology
RT Plates
RT Prisms
RT Rings
RT Rods
RT Shape Memory Effect
RT Slabs
RT Spheres
RT Spheroids
RT Tubes

SHAPE MEMORY EFFECT [01]
DA January 27, 1975
UF *Marmen Effect*
RT Elasticity
RT Nitinol Heat Engines
RT Shape
DEF A shape recovery effect in metal specimens. It is associated with the martensite parent transformation.

SHAPED CHARGES
(Prior to August 1979 CHEMICAL EXPLOSIVES and SHAPE were used.)
DA August 7, 1979
BT1 Chemical Explosives
BT2 Explosives
RT Ammunition
RT Ordnance

Sharja
DA August 5, 1976
USE United Arab Emirates

SHARPITE
DA January 28, 1975
BT1 Carbonate Minerals
BT2 Minerals
BT1 Uranium Carbonates
BT2 Carbonates
BT3 Carbon Compounds
BT3 Oxygen Compounds
BT2 Uranium Compounds
BT3 Actinide Compounds
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials

Shattering
DA May 5, 1975
USE Fragmentation

SHAWNEE STEAM PLANT [01]
DA November 10, 1981
BT1 Fossil-Fuel Power Plants
BT2 Thermal Power Plants
BT3 Power Plants
RT Kentucky
RT Tennessee Valley Authority

SHCA REACTOR [01]
DA December 1, 1974
UF *Semi-Homogeneous Critical Assembly*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Graphite Moderated Reactors
BT2 Reactors
BT1 Solid Homogeneous Reactors
BT2 Homogeneous Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

SHEAR [01]
DA December 1, 1974
RT Fluid Flow
RT Magnetic Fields
RT Rotational Transform
RT Stresses
RT Tensile Properties

SHEAR PROPERTIES [01]
DA December 1, 1974
UF *Shear Strength*
UF *Strength (Shear)*
BT1 Mechanical Properties

Shear Strength
DA December 1, 1974
USE Shear Properties

Shear Waves (Seismic)
DA November 17, 1976
USE Seismic S Waves

SHEARER LOADERS
DA May 23, 1980
BT1 Cutter Loaders
BT2 Cutting Machines
BT3 Mining Equipment
BT4 Equipment
BT2 Loaders
BT3 Haulage Equipment
BT4 Materials Handling Equipment
BT5 Equipment
RT Coal Mining

Shearon Harris-1 Reactor
DA December 1, 1974
USE Harris-1 Reactor

Shearon Harris-2 Reactor
DA December 1, 1974
USE Harris-2 Reactor

Shearon Harris-3 Reactor
DA December 1, 1974
USE Harris-3 Reactor

Shearon Harris-4 Reactor
DA December 1, 1974
USE Harris-4 Reactor

Sheathing
DA December 1, 1974
USE Canning

Sheaths (Fuel)
DA December 1, 1974
USE Fuel Cans

SHEEP [01]
DA December 1, 1974
UF *Lambs*
BT1 Domestic Animals
BT2 Animals
BT1 Ruminants
BT2 Mammals
BT3 Vertebrates
BT4 Animals
RT Dictyocaulus
RT Meat

SHEETS [01]
(Thinner than PLATES but thicker than FOILS.)
DA December 1, 1974
RT CAST Method
RT Dendritic Web Growth Method
RT Foils
RT Inverted Stepanov Method
RT Ribbon-to-Ribbon Method

SHEILA HELIAC [01]
DA July 9, 1987
BT1 HELIAC Stellarators
BT2 Stellarators
BT3 Closed Plasma Devices
BT4 Thermonuclear Devices
RT H-1 HELIAC

Shell Claus Off-Gas Treating Process
DA January 29, 1975
USE SCOT Process

Shell Flue Gas Desulfurization Process
DA December 22, 1977
SEE Shell-UOP Copper Oxide Process

SHELL GASIFICATION PROCESS
DA January 23, 1976
BT1 SNG Processes
RT Hydrocarbons
RT Partial Oxidation Processes
RT Petroleum
DEF Partial oxidation of hydrocarbons to produce CO and H_2 and methanation to SNG.

SHELL-KOPPERS GASIFICATION PROCESS
DA April 14, 1980
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes
DEF Entrained, pressurized system using coal, steam, and oxygen to produce intermediate Btu gas.

SHELL MODELS [01]
(Nuclear shell models only; for electron shell models use ELECTRONIC STRUCTURE.)
DA December 1, 1974
UF *Models (Shell)*
BT1 Nuclear Models
BT2 Mathematical Models
NT1 Governor Model
NT1 Interacting Boson Model
NT1 Multi-Center Shell Model
RT Aligned Coupling Scheme
RT Broken-Pair Approximation
RT Elliot Model
RT Talmi Integrals
RT Weak-Coupling Model
RT Wilkinson Theory

SHELL PELLET HEAT EXCHANGER RETORTING
DA January 27, 1981
UF *SPHER*
RT Oil Shales
RT Retorting
DEF Fluidization bed process in which shale flows upward countercurrent to larger heat-carrier pellets.

SHELL-UOP COPPER OXIDE PROCESS
DA April 12, 1977
SF *Shell Flue Gas Desulfurization Process*
BT1 Desulfurization
BT2 Chemical Reactions
RT Denitrification
RT Waste Processing
DEF Process to remove sulfur dioxide and nitrogen oxides simultaneously from flue gas using dry copper oxide on alumina sorbent.

SHELLS [01]
(Structural forms; for electron shells in atoms use ELECTRONIC STRUCTURE.)
DA December 1, 1974
RT Coverings
RT Domed Structures
RT Mechanical Structures

Shells (Containment)
DA December 1, 1974
USE Containment Shells

SHELTERS [01]
DA December 1, 1974
NT1 Animal Shelters
NT1 Fallout Shelters
RT Buildings
RT Civil Defense
RT Local Fallout
RT Nuclear Explosions
RT Nuclear Weapons
RT Radiation Protection
RT Shielding
RT Subsurface Structures

Sherardizing
DA December 1, 1974
USE Diffusion Coating

SHERMAN TABLES [01]
DA December 1, 1974
RT Anisotropy
RT Spin

SHERWOOD PROJECT [01]
DA December 1, 1974
RT Thermonuclear Reactions

Shf Radiation
DA December 1, 1974
USE GHz Range 01-100
AND Radiowave Radiation

SHIELD SUPPORTS
DA April 9, 1985
BT1 Powered Supports
BT2 Supports
BT3 Mechanical Structures
RT Mining

Shield Test Reactor
DA December 1, 1974
USE STIR Reactor

SHIELDED METAL-ARC WELDING [01]
DA December 1, 1974
BT1 Arc Welding
BT2 Welding
BT3 Joining
BT4 Fabrication

Shielded Organs
DA December 1, 1974
USE Partial Body Irradiation

SHIELDING [01]
DA December 1, 1974
NT1 Biological Shielding
NT1 Magnetic Shielding
NT1 Self-Shielding
RT Absorption
RT ALARA
RT Buildup
RT Collimators
RT Containers
RT Distance
RT External Irradiation
RT Gloveboxes
RT Gloves
RT Half-Thickness
RT Heterogeneous Effects
RT Hot Cells
RT Manipulators
RT Point Kernels
RT Radiation Protection
RT Scattering
RT Shelters
RT Shielding Materials
RT Shields
RT Stray Radiation
RT Thermal Insulation
RT Thickness

SHIELDING MATERIALS [01]
DA December 1, 1974
UF *Materials (Shielding)*
BT1 Materials
RT Building Materials
RT Concretes
RT Hydrophylic Polymers
RT Lead
RT Paraffin
RT Radiation Protection
RT Reactor Components
RT Reactor Materials
RT Shielding
RT Shields

SHIELDS [01]
DA December 1, 1974
NT1 Biological Shields
NT1 Thermal Shields
RT Radiation Protection
RT Reactor Components
RT Shielding
RT Shielding Materials

SHIFT PROCESSES
DA October 28, 1975
RT Coal Gasification
RT Methanation
DEF Addition of steam to gasification products to increase the hydrogen/carbon monoxide ratio.

Shift Work
DA April 8, 1987
USE Alternative Work Schedules

SHIGELLA [01]
DA December 1, 1974
BT1 Bacteria
BT2 Microorganisms

SHIKA-1 REACTOR [01]
(Shika, Ishikawa, Japan.)
DA October 16, 1989
UF *Noto-1 Reactor*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

SHIKIMIC ACID [01]
DA December 1, 1974
BT1 Hydroxy Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds

SHIM RODS [01]
DA December 1, 1974
UF *Coarse Control Rods*
BT1 Control Elements
BT2 Reactor Components
RT Neutron Absorbers

SHIMANE-1 REACTOR [01]
(Kashima, Shimane, Japan)
DA December 1, 1974
UF *Chugoku-1 Reactor*
UF *Chugoku Electric Power Company Reactor*
UF *Kashima-1 Reactor*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

SHIMANE-2 REACTOR [01]
(Kashima, Shimane, Japan)
DA August 8, 1985
UF *Chugoku-2 Reactor*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

SHIP PROPULSION REACTORS [01]
DA December 1, 1974
UF *Naval Reactors*
BT1 Propulsion Reactors
BT2 Reactors
NT1 Arktika Reactor
NT1 EFDR-50 Reactor
NT1 Enrico Fermi Reactor
NT1 Lenin Reactor
NT1 Mutsu Reactor
NT1 Otto Hahn Reactor
NT1 S8G Prototype Reactor
NT1 Savannah Reactor
NT1 Sibir Reactor

Ship Reactor Mutsu
DA December 1, 1974
USE Mutsu Reactor

Shipment
DA December 1, 1974
USE Transport

SHIPPER-RECEIVER DIFFERENCES [01]
DA November 1, 1976
RT Material Balance
RT Material Unaccounted For

Shippingport Pressurized Water Reactor
DA December 1, 1974
USE Shippingport Reactor

SHIPPINGPORT REACTOR [01]
DA December 1, 1974
UF *Shippingport Pressurized Water Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

SHIPS [01]
DA December 1, 1974
UF+ *Drill Ships*
NT1 Nuclear Ships
NT2 NS Arktika
NT2 NS Enrico Fermi
NT2 NS Lenin
NT2 NS Sibir
NT2 Nuclear Merchant Ships
NT3 NS Mutsu
NT3 NS Otto Hahn
NT3 NS Savannah
NT1 Submarines
NT1 Tanker Ships
RT Barges
RT Motorboats
RT Navigation
RT Navigational Instruments
RT Positioning
RT Sails
RT Thrusters

SHIRLEY BASIN URANIUM MILL [01]
DA April 8, 1975
BT1 Feed Materials Plants
BT2 Industrial Plants
BT2 Nuclear Facilities
RT Ore Processing

SHIVA FACILITY [01]
DA February 14, 1978
RT Laser Fusion Reactors
RT Neodymium Lasers
RT Nova Facility
DEF Large Nd laser facility at LLL to be used for laser fusion

SHOAL EVENT [01]
DA December 1, 1974
BT1 Vela Project

Shock (Biological)
DA December 1, 1974
USE Biological Shock

Shock (Electric)
DA July 24, 1979
USE Electric Shock

Shock (Impact)
DA December 1, 1974
USE Impact Shock

Shock (Medical)
DA December 1, 1974
USE Biological Shock

Shock (Thermal)
DA December 1, 1974
USE Thermal Shock

SHOCK ABSORBERS [01]
DA December 1, 1974
RT Damping
RT Energy Losses
RT Impact Shock
RT Restraints
RT Seismic Effects
RT Seismic Isolation
RT Shock Waves

SHOCK HEATING [01]
DA December 1, 1974
BT1 Plasma Heating
BT2 Heating

SHOCK TUBES [01]
DA December 1, 1974
RT Shock Waves

Shock Wave Hardening
DA December 1, 1974
USE Strain Hardening

SHOCK WAVES [01]
DA December 1, 1974
UF *Riemann Waves*
UF *Waves (Shock)*
NT1 Detonation Waves
RT Blast Effects
RT Combustion Waves
RT Detonations
RT Earthquakes
RT Explosions
RT Ground Motion
RT Hydromagnetic Waves
RT Impact Shock
RT Implosions
RT Lax Theorem
RT Mach Number
RT Nuclear Explosions
RT Rankine-Hugoniot Equations
RT Seismic Effects
RT Seismology
RT Shock Absorbers
RT Shock Tubes
RT Solitons
RT Supersonic Flow
RT Transonic Flow
RT Water Hammer

Shoes
DA December 1, 1974
USE Clothing

SHOPPING CENTERS [01]
DA May 2, 1979
BT1 Commercial Buildings
BT2 Buildings

SHOREHAM REACTOR [01]
(Shoreham, New York, USA)
DA December 1, 1974
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

SHORES [01]
(For both lake- and sea-land boundaries.)
DA December 1, 1974
UF *Coast*
UF *Seacoast*
BT1 Coastal Regions
RT Coastal Waters
RT Lakes
RT Offshore Nuclear Power Plants
RT Offshore Sites
RT River Deltas
RT Seas

Short Circuits
DA December 16, 1976
USE Electrical Faults

Short-Lens Spectrometers
DA December 1, 1974
USE Magnetic Lens Spectrometers

Short-Range Interactions
DA December 1, 1974
USE Interaction Range

SHORT ROTATION CULTIVATION
DA October 23, 1979
BT1 Cultivation Techniques
RT Agriculture
RT Biomass Plantations
RT Forestry
RT Trees
DEF Agro-forestry system in which seedlings are planted like a row crop, and rapid juvenile growth is promoted by cultural practices.

SHORT WAVE RADIATION [01]
DA December 1, 1974
UF *Hf Radiation*
UF *High Frequency Radiation*
BT1 Radiowave Radiation
BT2 Electromagnetic Radiation
BT3 Radiations

SHORTAGES [01]
DA August 25, 1980
UF *Shortfalls*
NT1 Energy Shortages
RT Allocations
RT Availability
RT Fuel Supplies
RT Inventories
RT Supply Disruption

Shortfalls
DA August 25, 1980
USE Shortages

SHORTITE
DA May 5, 1975
BT1 Calcium Carbonates
BT2 Calcium Compounds
BT3 Alkaline Earth Metal Compounds
BT2 Carbonates
BT3 Carbon Compounds
BT3 Oxygen Compounds
BT1 Carbonate Minerals
BT2 Minerals
BT1 Sodium Carbonates
BT2 Carbonates
BT3 Carbon Compounds
BT3 Oxygen Compounds
BT2 Sodium Compounds
BT3 Alkali Metal Compounds
DEF A double carbonate of sodium and calcium, $Na_2CO_3.2CaCO_3$.

SHORTWALL MINING
DA May 7, 1977
BT1 Underground Mining
BT2 Mining
RT Coal Mining

SHOT PEENING [01]
DA December 1, 1974
UF *Peening*
BT1 Cold Working
BT2 Materials Working
BT3 Fabrication
BT1 Surface Treatments
RT Descaling
RT Surface Cleaning
RT Surface Hardening

Shotfiring
DA April 27, 1978
USE Explosive Fracturing

SHOWER COUNTERS [01]
(Detects high energy gamma radiation or high energy particles on basis of cascade showers in layered absorbers.)
DA December 1, 1974
UF *Calorimeters (Particle)*
UF *Ionization Calorimeters*
UF *Total-Absorption Spectrometers*
BT1 Radiation Detectors
BT2 Measuring Instruments
RT Cosmic Ray Detection
RT Fermilab Collider Detector
RT GeV Range
RT Stanford Linear Collider Detector

SHOWERS [01]
DA December 1, 1974
NT1 Cascade Showers
NT1 Cosmic Showers
NT2 Extensive Air Showers

Showers (Safety)
DA November 24, 1980
USE Safety Showers

SHREDDERS [01]
DA April 28, 1983
BT1 Materials Handling Equipment
BT2 Equipment
RT Cutting Tools

SHREWS [01]
DA December 1, 1974
BT1 Rodents
BT2 Mammals
BT3 Vertebrates
BT4 Animals

SHRIMP [01]
DA February 6, 1975
BT1 Decapods
BT2 Crustaceans
BT3 Aquatic Organisms
BT3 Arthropods
BT4 Invertebrates
BT5 Animals
RT Prawns
RT Seafood

SHRINKAGE [01]
DA December 1, 1974
RT Dilatometry

SHROUDS [01]
DA December 1, 1974
BT1 Reactor Cooling Systems
BT2 Cooling Systems
BT3 Energy Systems
BT2 Reactor Components
RT Fuel Assemblies
RT Fuel Channels
RT Jackets
DEF Cover enveloping the active length of a fuel assembly, to stabilize the coolant flow through the assembly.

SHRUBS [01]
DA December 1, 1974
BT1 Plants
NT1 Jojoba
NT1 Rabbit Brush
RT Chinese Tallow Tree
RT Conifers

SHUBNIKOV-DE HAAS EFFECT [01]
DA December 1, 1974
RT Hall Effect
RT Magnetic Fields
RT Magnetoresistance

SHUNT REACTORS
DA August 7, 1979
BT1 Electrical Equipment
BT2 Equipment
RT Power Transmission

RT Power Transmission Lines
DEF A device connected in shunt to an electric power system for drawing inductive current,i.e.,to compensate for capacitive currents from transmission lines, cables or shunt capacitors.

→**SHUTDOWN [01]**
(Prior to June 1991 this concept was indexed to SHUTDOWNS.)
DA June 26, 1991
UF *Shutdowns*
NT1 Reactor Shutdown
NT2 Scram
RT Cancellation
RT Decommissioning
RT Outages

Shutdown (Reactor)
DA December 1, 1974
USE Reactor Shutdown

Shutdowns
(Prior to June 1991 this was a valid descriptor.)
DA June 14, 1978
USE Shutdown

Shutin Pressure
DA September 11, 1978
USE Reservoir Pressure

SHUTTERS [01]
DA February 27, 1979
RT Buildings
RT Collimators
RT Coverings
RT Curtains
RT Neutron Choppers
RT Optical Systems
RT Shading
RT Sun Shades
RT Thermal Insulation
RT Windows

Shuttle Cars
DA September 27, 1979
USE Trackless Vehicles

Shuttles
DA December 1, 1974
USE Rabbit Tubes

SI SEMICONDUCTOR DETECTORS [01]
DA December 1, 1974
UF *Silicon Semiconductor Detectors*
BT1 Semiconductor Detectors
BT2 Radiation Detectors
BT3 Measuring Instruments
NT1 Li-Drifted SI Detectors

SI UNITS [01]
DA July 7, 1976
BT1 Units
RT Metric System

SIALIC ACID [01]
DA December 1, 1974
BT1 Monosaccharides
BT2 Saccharides
BT3 Carbohydrates
BT4 Organic Compounds
RT Amines
RT Gangliosides
RT Organic Acids

SIALON
(A solid solution involving Al_2O_3 and Si_3N_6.)
DA February 8, 1982
USE Aluminium Oxides
AND Silicon Nitrides

SIBERIA [01]
DA June 14, 1978
BT1 Asia
BT1 Russian Federation
BT2 Eastern Europe
BT3 Europe

SIBIR REACTOR [01]
DA October 10, 1985
BT1 Ship Propulsion Reactors
BT2 Propulsion Reactors
BT3 Reactors
RT NS Sibir

SICHROMAL ALLOYS
DA February 6, 1975
BT1 Aluminium Alloys
BT2 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Iron Base Alloys
BT2 Iron Alloys
BT3 Alloys
BT1 Silicon Alloys
BT2 Alloys

SICILY [01]
DA August 12, 1980
BT1 Italy
BT2 Developed Countries
BT2 Western Europe
BT3 Europe

SICK LEAVE
DA May 21, 1983
RT Personnel Management

SICKLE CELL ANEMIA [01]
DA January 30, 1981
BT1 Anemias
BT2 Hemic Diseases
BT3 Diseases
BT2 Symptoms
RT Erythrocytes
RT Hereditary Diseases

SICROMO 9M [01]
DA December 1, 1974
BT1 Chromium Alloys
BT2 Alloys
BT1 Iron Base Alloys
BT2 Iron Alloys
BT3 Alloys
BT1 Molybdenum Alloys
BT2 Alloys

SID
DA December 1, 1974
USE Sudden Ionospheric Disturbance

SIDE EFFECTS [01]
DA December 1, 1974
RT Combined Therapy
RT Therapy

SIDERITE [01]
DA June 12, 1975
BT1 Carbonate Minerals
BT2 Minerals
BT1 Iron Carbonates
BT2 Carbonates
BT3 Carbon Compounds
BT3 Oxygen Compounds
BT2 Iron Compounds
BT3 Transition Element Compounds
BT1 Iron Ores
BT2 Ores
DEF A spathic iron ore; an iron carbonate, $FeCO_3$.

Siegbahn Spectrometers
DA December 1, 1974
USE Flat Magnetic Spectrometers

SIEMENS COMPUTERS [01]
DA November 10, 1977
BT1 Computers

Siemens Unterrichtsreaktor
DA December 1, 1974
USE SUR-100 Series Reactor

SIERRA LEONE [01]
DA December 1, 1974
BT1 Africa
BT1 Developing Countries

SIERRA NEVADA COLORADO [01]
DA December 1, 1974
BT1 Mountains
RT Cascade Mountains

Sievert
DA August 12, 1980
USE Sievert Unit

SIEVERT UNIT [01]
DA January 22, 1975
UF *Sievert*
BT1 Radiation Dose Units
BT2 Units
RT Gamma Radiation
RT Integrals

Sigma-410 Resonances
(Prior to August 1988 this was a valid descriptor.)
DA December 1, 1974
USE Sigma Model

SIGMA-1385 BARYONS [01]
(Prior to February 1988 this concept was indexed by SIGMA-1385 RESONANCES.)
DA February 26, 1988
UF *Sigma-1385 Resonances*
BT1 Sigma Baryons
BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles

Sigma-1385 Resonances
(Prior to March 1988 this was a valid descriptor.)
DA December 1, 1974
USE Sigma-1385 Baryons

SIGMA-1480 BARYONS [01]
DA March 3, 1988
BT1 Sigma Baryons
BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles

SIGMA-1560 BARYONS [01]
DA March 3, 1988
BT1 Sigma Baryons
BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles

SIGMA-1580 BARYONS [01]
(Prior to March 1988 this concept was indexed by SIGMA-1580 RESONANCES.)
DA March 3, 1988
UF *Sigma-1580 Resonances*
BT1 Sigma Baryons
BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles

Sigma-1580 Resonances
(Prior to March 1988 this was a valid descriptor.)
DA February 20, 1975
USE Sigma-1580 Baryons

SIGMA-1620 BARYONS [01]
(Prior to March 1988 this concept was indexed by SIGMA-1620 RESONANCES.)
DA March 3, 1988

UF *Sigma-1620 Resonances*
BT1 Sigma Baryons
BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles

Sigma-1620 Resonances
(Prior to March 1988 this was a valid descriptor.)
DA December 1, 1974
USE Sigma-1620 Baryons

Sigma-1640 Resonances
(Prior to August 1988 this was a valid descriptor.)
DA January 22, 1975
SEE Sigma Baryons

SIGMA-1660 BARYONS [01]
(Prior to March 1988 this concept was indexed by SIGMA-1660 RESONANCES.)
DA March 3, 1988
UF *Sigma-1660 Resonances*
BT1 Sigma Baryons
BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles

Sigma-1660 Resonances
(Prior to March 1988 this was a valid descriptor.)
DA April 12, 1977
USE Sigma-1660 Baryons

SIGMA-1670 BARYONS [01]
(Prior to March 1988 this concept was indexed by SIGMA-1670 RESONANCES.)
DA March 3, 1988
UF *Sigma-1670 Resonances*
BT1 Sigma Baryons
BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles

Sigma-1670 Resonances
(Prior to March 1988 this was a valid descriptor.)
DA December 1, 1974
USE Sigma-1670 Baryons

SIGMA-1690 BARYONS [01]
DA March 3, 1988
BT1 Sigma Baryons
BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles

SIGMA-1750 BARYONS [01]
(Prior to March 1988 this concept was indexed by SIGMA-1750 RESONANCES.)
DA March 3, 1988
UF *Sigma-1750 Resonances*
BT1 Sigma Baryons
BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles

Sigma-1750 Resonances
(Prior to March 1988 this was a valid descriptor.)
DA December 1, 1974
USE Sigma-1750 Baryons

Sigma-1765 Resonances
(Prior to March 1988 this was a valid descriptor.)
DA December 1, 1974
USE Sigma-1775 Baryons

SIGMA-1770 BARYONS [01]
DA March 3, 1988
BT1 Sigma Baryons
BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles

SIGMA-1775 BARYONS [01]
(Prior to March 1988 this concept was indexed by SIGMA-1765 RESONANCES.)
DA March 3, 1988
UF *Sigma-1765 Resonances*
BT1 Sigma Baryons
BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles

SIGMA-1840 BARYONS [01]
DA March 3, 1988
BT1 Sigma Baryons
BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles

SIGMA-1880 BARYONS [01]
DA March 3, 1988
BT1 Sigma Baryons
BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles

Sigma-1910 Resonances
(Prior to March 1988 this was a valid descriptor.)
DA December 1, 1974
USE Sigma-1915 Baryons

SIGMA-1915 BARYONS [01]
(Prior to March 1988 this concept was indexed by SIGMA-1910 RESONANCES.)
DA March 3, 1988
UF *Sigma-1910 Resonances*
BT1 Sigma Baryons
BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles

SIGMA-1940 BARYONS [01]
(Prior to March 1988 this concept was indexed by SIGMA-1940 RESONANCES.)
DA March 3, 1988
UF *Sigma-1940 Resonances*
BT1 Sigma Baryons
BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles

Sigma-1940 Resonances
(Prior to March 1988 this was a valid descriptor.)
DA January 23, 1975
USE Sigma-1940 Baryons

SIGMA-2000 BARYONS [01]
DA March 7, 1988
BT1 Sigma Baryons
BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles

SIGMA-2030 BARYONS [01]
(Prior to March 1988 this concept was indexed by SIGMA-2030 RESONANCES.)
DA March 7, 1988
UF *Sigma-2030 Resonances*
BT1 Sigma Baryons
BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles

Sigma-2030 Resonances
(Prior to March 1988 this was a valid descriptor.)
DA December 1, 1974
USE Sigma-2030 Baryons

SIGMA-2070 BARYONS [01]
DA March 7, 1988
BT1 Sigma Baryons
BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles

SIGMA-2080 BARYONS [01]
DA March 7, 1988
BT1 Sigma Baryons
BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles

SIGMA-2100 BARYONS [01]
DA March 7, 1988
BT1 Sigma Baryons
BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles

SIGMA-2250 BARYONS [01]
(Prior to March 1988 this concept was indexed by SIGMA-2250 RESONANCES.)
DA March 7, 1988
UF *Sigma-2250 Resonances*
BT1 Sigma Baryons
BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles

Sigma-2250 Resonances
(Prior to March 1988 this was a valid descriptor.)

DA December 1, 1974
USE Sigma-2250 Baryons

Sigma-2430 Resonances
(Prior to February 1988 this was a valid descriptor.)
DA September 26, 1979
USE Sigma C-2450 Baryons

SIGMA-2455 BARYONS [01]
(Prior to March 1988 this concept was indexed by SIGMA-2455 RESONANCES.)
DA March 7, 1988
UF *Sigma-2455 Resonances*
BT1 Sigma Baryons
BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles

Sigma-2455 Resonances
(Prior to March 1988 this was a valid descriptor.)
DA December 1, 1974
USE Sigma-2455 Baryons

Sigma-2595 Resonances
(Prior to March 1988 this was a valid descriptor.)
DA December 1, 1974
USE Sigma-2620 Baryons

SIGMA-2620 BARYONS [01]
(Prior to March 1988 this concept was indexed by SIGMA-2595 RESONANCES.)
DA March 7, 1988
UF *Sigma-2595 Resonances*
BT1 Sigma Baryons
BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles

SIGMA-3000 BARYONS [01]
DA March 7, 1988
BT1 Sigma Baryons
BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles

SIGMA-3170 BARYONS [01]
DA March 7, 1988
BT1 Sigma Baryons
BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles

SIGMA BARYONS [01]
DA February 26, 1988
SF *Sigma-1640 Resonances*
BT1 Hyperons
BT2 Baryons
BT3 Fermions
BT3 Hadrons
BT4 Elementary Particles
BT2 Strange Particles
BT3 Elementary Particles
NT1 Sigma-1385 Baryons
NT1 Sigma-1480 Baryons
NT1 Sigma-1560 Baryons
NT1 Sigma-1580 Baryons
NT1 Sigma-1620 Baryons
NT1 Sigma-1660 Baryons
NT1 Sigma-1670 Baryons
NT1 Sigma-1690 Baryons
NT1 Sigma-1750 Baryons
NT1 Sigma-1770 Baryons
NT1 Sigma-1775 Baryons
NT1 Sigma-1840 Baryons
NT1 Sigma-1880 Baryons
NT1 Sigma-1915 Baryons
NT1 Sigma-1940 Baryons
NT1 Sigma-2000 Baryons
NT1 Sigma-2030 Baryons
NT1 Sigma-2070 Baryons
NT1 Sigma-2080 Baryons
NT1 Sigma-2100 Baryons
NT1 Sigma-2250 Baryons
NT1 Sigma-2455 Baryons
NT1 Sigma-2620 Baryons
NT1 Sigma-3000 Baryons
NT1 Sigma-3170 Baryons
NT1 Sigma Particles
NT2 Antisigma Particles
NT2 Sigma Minus Particles
NT2 Sigma Neutral Particles
NT2 Sigma Plus Particles

SIGMA C-2450 BARYONS [01]
(Prior to February 1988 this concept was indexed by SIGMA-2430 RESONANCES.)
DA February 19, 1988
UF *Sigma-2430 Resonances*
BT1 Charmed Baryons
BT2 Baryons
BT3 Fermions
BT3 Hadrons
BT4 Elementary Particles
BT2 Charm Particles
BT3 Elementary Particles

Sigma Minus
(Prior to February 1988 this was a valid descriptor.)
DA December 1, 1974
USE Sigma Minus Particles

Sigma-Minus Atoms
DA December 1, 1974
USE Hadronic Atoms

SIGMA MINUS PARTICLES [01]
(Prior to February 1988 this concept was indexed by SIGMA MINUS.)
DA February 26, 1988
UF *Sigma Minus*
BT1 Sigma Particles
BT2 Sigma Baryons
BT3 Hyperons
BT4 Baryons
BT5 Fermions
BT5 Hadrons
BT6 Elementary Particles
BT4 Strange Particles
BT5 Elementary Particles

SIGMA MODEL [01]
DA February 6, 1975
UF *Sigma-410 Resonances*
BT1 Boson-Exchange Models
BT2 Peripheral Models
BT3 Particle Models
BT4 Mathematical Models
RT Pseudoscalar Mesons
RT Scalar Mesons

Sigma Neutral
(Prior to February 1988 this was a valid descriptor.)
DA December 1, 1974
USE Sigma Neutral Particles

SIGMA NEUTRAL PARTICLES [01]
(Prior to February 1988 this concept was indexed by SIGMA NEUTRAL.)
DA February 26, 1988
UF *Sigma Neutral*
BT1 Sigma Particles
BT2 Sigma Baryons
BT3 Hyperons
BT4 Baryons
BT5 Fermions
BT5 Hadrons
BT6 Elementary Particles
BT4 Strange Particles
BT5 Elementary Particles

SIGMA PARTICLE BEAMS [01]
DA December 1, 1974
BT1 Hyperon Beams
BT2 Particle Beams
BT3 Beams

SIGMA PARTICLES [01]
DA December 1, 1974
BT1 Sigma Baryons
BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles
NT1 Antisigma Particles
NT1 Sigma Minus Particles
NT1 Sigma Neutral Particles
NT1 Sigma Plus Particles

SIGMA PILES [01]
DA December 1, 1974
RT Moderators
RT Neutron Sources

Sigma Plus
(Prior to February 1988 this was a valid descriptor.)
DA December 1, 1974
USE Sigma Plus Particles

SIGMA PLUS PARTICLES [01]
(Prior to February 1988 this concept was indexed by SIGMA PLUS.)
DA February 26, 1988
UF *Sigma Plus*
BT1 Sigma Particles
BT2 Sigma Baryons
BT3 Hyperons
BT4 Baryons
BT5 Fermions
BT5 Hadrons
BT6 Elementary Particles
BT4 Strange Particles
BT5 Elementary Particles

SIGMA TERMS [01]
DA December 1, 1974
BT1 Current Commutators
BT2 Commutators
BT3 Quantum Operators
BT4 Mathematical Operators

Sigmalog
DA April 11, 1979
SEE MWD Systems

SIGNAL CONDITIONERS
DA July 20, 1984
BT1 Pulse Circuits
BT2 Electronic Circuits
NT1 Digitizers
NT2 Cathode Ray Tube Digitizers
NT2 Flying Spot Digitizers
NT2 Scanning Measuring Projectors
NT2 Spiral Reader Digitizers
NT1 Pulse Shapers
RT Signal Conditioning
RT Signals

SIGNAL CONDITIONING [01]
DA July 20, 1984
RT Digitizers
RT Pulse Shapers
RT Signal Conditioners
RT Signals
DEF Processing the form or mode of a signal so as to make it intelligible to or compatible with a given device.

SIGNAL DISTORTION [01]
DA April 8, 1975
RT Electromagnetic Radiation
RT Microwave Radiation
RT Radiowave Radiation
RT Sound Waves

SIGNAL-TO-NOISE RATIO [01]
DA October 28, 1980
RT Accuracy

RT Noise
RT Resolution
RT Signals

SIGNALS [01]
DA December 1, 1974
RT Communications
RT Data Transmission
RT Pulses
RT Signal Conditioners
RT Signal Conditioning
RT Signal-to-Noise Ratio

SIGNELL-MARSHAK POTENTIAL [01]
DA December 1, 1974
BT1 Nucleon-Nucleon Potential
BT2 Potentials
RT Nuclear Potential
RT Nucleons

SILANES [01]
DA December 1, 1974
UF *Silicon Hydrides*
BT1 Hydrides
BT2 Hydrogen Compounds
BT1 Organic Silicon Compounds
BT2 Organic Compounds
BT1 Silicon Compounds

SILASTIC [01]
DA December 1, 1974
BT1 Rubbers
BT2 Elastomers
BT3 Polymers
BT2 Organic Polymers
BT3 Organic Compounds
BT3 Polymers
BT1 Silicones
BT2 Polymers
BT2 Siloxanes
BT3 Organic Silicon Compounds
BT4 Organic Compounds

SILENE REACTOR [01]
DA July 8, 1982
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

+SILICA
(Prior to July 1992 this was a valid descriptor. From July 1992 to August 1993 this concept was indexed to SILICON OXIDES.)
DA August 31, 1993
BT1 Oxide Minerals
BT2 Minerals
BT1 Silicon Oxides
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT2 Silicon Compounds
NT1 Opals
DEF The chemically resistant dioxide of silicon, SiO_2.

SILICA GEL [01]
DA December 1, 1974
BT1 Adsorbents
RT Adsorption
RT Ion Exchange Materials
RT Silicon Oxides

SILICATE MINERALS [01]
DA May 12, 1982
BT1 Minerals
NT1 Alamosite
NT1 Allanite
NT2 Orthite
NT1 Alvite
NT1 Amphibole
NT2 Hornblende
NT1 Beryl
NT1 Boltwoodite
NT1 Cataplelte
NT1 Cerite
NT1 Chlorite Minerals
NT1 Coffinite
NT1 Cristobalite
NT1 Cuprosklodowskite
NT1 Cyrtolite
NT1 Diopside
NT1 Ekanite
NT1 Elpidite
NT1 Enstatite
NT1 Epidotes
NT1 Eudialyte
NT1 Feldspars
NT2 Albite
NT2 Anorthite
NT2 Microcline
NT2 Orthoclase
NT1 Ferrite Garnets
NT1 Freyalite
NT1 Garnets
NT2 Andradite
NT1 Haiweelte
NT1 Hedenbergite
NT1 Helvite
NT1 Hornblende
NT1 Huttonite
NT1 Hydrothorite
NT1 Ilvaite
NT1 Kainosite
NT1 Kaolinite
NT1 Lavenite
NT1 Lovozerite
NT1 Mackintoshite
NT1 Maitlandite
NT1 Mesodialyte
NT1 Mica
NT2 Biotite
NT2 Muscovite
NT2 Paragonite
NT2 Vermiculite
NT1 Olivine
NT1 Petalite
NT1 Pollucite
NT1 Pyrophyllite
NT1 Ranquilite
NT1 Sepiolite
NT1 Serpentine
NT1 Sklodowskite
NT1 Smectite
NT1 Soddyite
NT1 Steenstrupine
NT1 Talc
NT1 Thorite
NT2 Jiningite
NT1 Thorogummite
NT1 Titanite
NT1 Tourmaline
NT1 Uranophane
NT1 Uranothorite
NT1 Uranotile
NT1 Yttrialite
NT1 Zeolites
NT2 Analcime
NT2 Clinoptilolite
NT2 Faujasite
NT2 Heulandite
NT2 Laumontite
NT2 Mordenite
NT2 Wairakite
NT1 Zircon
RT Aluminium Silicates
RT Beryllium Silicates
RT Boron Silicates
RT Calcium Silicates
RT Cerium Silicates
RT Gabbros
RT Kimberlites
RT Lava
RT Magnesium Silicates
RT Manganese Silicates
RT Niobium Silicates
RT Peridotites
RT Potassium Silicates
RT Pyroxenes
RT Quartz
RT Sodium Silicates
RT Thorium Silicates
RT Titanium Silicates
RT Uranium Silicates
RT Yttrium Silicates
RT Zirconium Silicates

SILICATES [01]
DA December 1, 1974
UF+ *Radium Silicates*
BT1 Oxygen Compounds
BT1 Silicon Compounds
NT1 Acid Silicates
NT1 Aluminium Silicates
NT2 Epidotes
NT2 Kaolinite
NT2 Orthoclase
NT2 Pyrophyllite
NT1 Americium Silicates
NT1 Barium Silicates
NT1 Berkelium Silicates
NT1 Beryllium Silicates
NT2 Helvite
NT1 Boron Silicater
NT1 Cadmium Silicates
* NT1 Calcium Silicates
NT1 Cerium Silicates
NT2 Kainosite
NT1 Cesium Silicates
NT1 Chromium Silicates
NT1 Cobalt Silicates
NT1 Copper Silicates
NT1 Curium Silicates
NT1 Dysprosium Silicates
NT1 Europium Silicates
NT1 Gadolinite
NT1 Garnets
NT2 Andradite
NT1 Germanium Silicates
NT1 Hafnium Silicates
NT1 Holmium Silicates
NT1 Indium Silicates
NT1 Iron Silicates
NT2 Andradite
NT2 Epidotes
NT2 Helvite
NT1 Lanthanum Silicates
NT1 Lead Silicates
NT2 Alamosite
NT1 Lithium Silicates
NT1 Lutetium Silicates
NT1 Magnesium Silicates
NT2 Enstatite
NT2 Sepiolite
NT2 Sklodowskite
NT1 Manganese Silicates
NT2 Helvite
NT1 Molybdenum Silicates
NT1 Neodymium Silicates
NT1 Nickel Silicates
NT1 Niobium Silicates
NT2 Mesodialyte
NT1 Plutonium Silicates
NT1 Potassium Silicates
NT2 Orthoclase
NT1 Praseodymium Silicates
NT1 Pyroxenes
NT2 Diopside
NT2 Enstatite
NT2 Hedenbergite
NT1 Rubidium Silicates
NT1 Samarium Silicates
NT1 Scandium Silicates
NT1 Sodium Silicates
NT2 Lavenite
NT2 Lovozerite
NT1 Strontium Silicates
NT1 Tantalum Silicates
* NT1 Thorium Silicates
NT1 Thulium Silicates
NT1 Titanium Silicates
* NT1 Uranium Silicates
NT1 Uranyl Silicates
NT1 Vanadium Silicates
NT1 Ytterbium Silicates
NT1 Yttrium Silicates
NT2 Kainosite
NT1 Zinc Silicates
NT1 Zirconium Silicates
NT2 Lavenite
NT2 Lovozerite
NT2 Mesodialyte
RT Silicon Oxides

Siliceous Rock
DA February 23, 1984
USE Sandstones

SILICIC ACID [01]
DA December 1, 1974
UF *Hydrogen Silicates*
BT1 Inorganic Acids
BT2 Hydrogen Compounds

Silicic Acid Esters
DA March 4, 1986
USE Organic Silicon Compounds

SILICIDES [01]
DA December 1, 1974
BT1 Silicon Compounds
NT1 Aluminium Silicides
NT1 Americium Silicides
NT1 Boron Silicides
NT1 Calcium Silicides
NT1 Cerium Silicides
NT1 Cesium Silicides
NT1 Chromium Silicides
NT1 Cobalt Silicides
NT1 Copper Silicides
NT1 Curium Silicides
NT1 Dysprosium Silicides
NT1 Erbium Silicides
NT1 Europium Silicides
NT1 Gadolinium Silicides
NT1 Germanium Silicides
NT1 Gold Silicides
NT1 Hafnium Silicides
NT1 Holmium Silicides
NT1 Iridium Silicides
NT1 Iron Silicides
NT1 Lanthanum Silicides
NT1 Lithium Silicides
NT1 Lutetium Silicides
NT1 Magnesium Silicides
NT1 Manganese Silicides
NT1 Molybdenum Silicides
NT1 Neodymium Silicides
NT1 Nickel Silicides
NT1 Niobium Silicides
NT1 Palladium Silicides
NT1 Platinum Silicides
NT1 Potassium Silicides
NT1 Praseodymium Silicides
NT1 Rhenium Silicides
NT1 Rhodium Silicides
NT1 Rubidium Silicides
NT1 Ruthenium Silicides
NT1 Samarium Silicides
NT1 Scandium Silicides
NT1 Sodium Silicides
NT1 Tantalum Silicides
NT1 Terbium Silicides
NT1 Thorium Silicides
NT1 Thulium Silicides
NT1 Titanium Silicides
NT1 Tungsten Silicides
NT1 Uranium Silicides
NT1 Vanadium Silicides
NT1 Ytterbium Silicides
NT1 Yttrium Silicides
NT1 Zinc Silicides
NT1 Zirconium Silicides
RT Intermetallic Compounds
RT Silicon Additions
RT Silicon Alloys

SILICON [01]
DA December 1, 1974
BT1 Semimetals
BT2 Elements

SILICON 22 [01]
DA December 23, 1987
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Silicon Isotopes
BT2 Isotopes

SILICON 23 [01]
DA May 8, 1984
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Silicon Isotopes
BT2 Isotopes

SILICON 24 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Silicon Isotopes
BT2 Isotopes

SILICON 25 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Silicon Isotopes
BT2 Isotopes

SILICON 26 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Silicon Isotopes
BT2 Isotopes

SILICON 27 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Silicon Isotopes
BT2 Isotopes

SILICON 28 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Silicon Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes
RT Silicon 28 Reactions

SILICON 28 BEAMS [01]
DA June 30, 1975
BT1 Ion Beams
BT2 Beams

SILICON 28 REACTIONS [01]
DA December 1, 1974
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions
RT Silicon 28

SILICON 28 TARGET [01]
DA July 9, 1976
BT1 Targets

SILICON 29 [01]
DA December 1, 1974
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Silicon Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

→**SILICON 29 BEAMS [01]**
DA April 9, 1991
BT1 Ion Beams
BT2 Beams

SILICON 29 REACTIONS [01]
DA July 6, 1978
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

SILICON 29 TARGET [01]
DA July 9, 1976
BT1 Targets

SILICON 30 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Silicon Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

SILICON 30 REACTIONS [01]
DA March 29, 1980
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

SILICON 30 TARGET [01]
DA July 9, 1976
BT1 Targets

SILICON 31 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Silicon Isotopes
BT2 Isotopes

SILICON 32 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Silicon Isotopes
BT2 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

SILICON 32 DECAY RADIOISOTOPES [01]
DA February 13, 1990
BT1 Heavy Ion Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
NT1 Plutonium 238
RT Silicon 32 Emission Decay

SILICON 32 EMISSION DECAY [01]
DA February 13, 1990
BT1 Heavy Ion Emission Decay
BT2 Nuclear Decay
BT3 Decay
RT Silicon 32 Decay Radioisotopes

SILICON 32 TARGET [01]
DA August 4, 1981
BT1 Targets

SILICON 33 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Silicon Isotopes
BT2 Isotopes

SILICON 34 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Silicon Isotopes
BT2 Isotopes

SILICON 34 EMISSION DECAY [01]
DA November 21, 1989
BT1 Heavy Ion Emission Decay
BT2 Nuclear Decay
BT3 Decay

SILICON 34 TARGET [01]
DA May 31, 1985
BT1 Targets

SILICON 35 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Silicon Isotopes
BT2 Isotopes

SILICON 36 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Silicon Isotopes
BT2 Isotopes

SILICON 37 [01]
DA October 23, 1979
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Silicon Isotopes
BT2 Isotopes

SILICON 38 [01]
DA February 11, 1980
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Silicon Isotopes
BT2 Isotopes

SILICON 39 [01]
DA February 11, 1980
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Silicon Isotopes
BT2 Isotopes

SILICON 40 [01]
DA October 16, 1989
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Silicon Isotopes
BT2 Isotopes

SIL 'CON 41 [01]
DA October 16, 1989
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Silicon Isotopes
BT2 Isotopes

SILICON 42 [01]
DA March 28, 1979
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Silicon Isotopes
BT2 Isotopes

SILICON ADDITIONS [01]
DA December 1, 1974
BT1 Silicon Alloys
BT2 Alloys
NT1 Alloy-Al95Cu4
NT2 Duralumin
NT1 Alloy-Fe40Ni35Cr22
NT1 Alloy-HS-31
NT1 Alloy-N28T3
NT1 Alloy-N55M20V25
NT1 Alloy-N65M20V15
NT1 Alloy-Ni56Cr21W10Mo5Fe4Al2
NT1 Alloy-Ni60Cr25W15
NT1 Alloy-Ni67Cr19Mo5W5Ti3
NT1 Alloy-Ni68Cr15W6Al3Mo3Fe2
NT1 Alloy-Ni78Cr21
NT1 Alloy-Ni80Cr20
NT1 Alloy-Ni94Mn3Al2
NT2 Alumel
NT1 Alloy-S-816
NT1 Alloy-V-36
NT1 Aludur
NT1 Ascoloy
NT1 Bondur
NT1 Crocar
NT1 Discaloy
NT1 Duralumin
NT1 Duranickel
NT1 Miduale
NT1 Ni-Hard
NT1 Stainless Steel-ZCND17-13
NT1 Steel Kh16N9M2
RT Silicides

SILICON ALLOYS [01]
DA December 1, 1974
BT1 Alloys
NT1 Alloy-Co52Cr17Fe15Mo3Si3
NT2 Tribaloy 800
NT1 Alloy-Fe36Ni33Cr26
NT1 Alloy-Mo-Re-1
NT1 Alloy-Ni45Cr23Fe19Co3Mo3W3
NT1 Alloy-Ni50Mo32Cr15Si3
NT2 Tribaloy 700
NT1 Alloy-RA-333
NT1 Colmonoy
NT1 Duriron
NT1 Manaurite 36X
NT1 Manaurite 900
NT1 Sichromal Alloys
* NT1 Silicon Additions
NT1 Supertherm
RT Silicides

SILICON ARSENIDE SOLAR CELLS [01]
DA July 18, 1981
BT1 Solar Cells
BT2 Photovoltaic Cells
BT3 Photoelectric Cells
BT4 Direct Energy Converters
BT2 Solar Equipment
BT3 Equipment

SILICON ARSENIDES [01]
DA June 2, 1977
BT1 Arsenides
BT2 Arsenic Compounds
BT2 Pnictides
BT1 Silicon Compounds

SILICON BORIDES [01]
DA December 1, 1974
BT1 Borides
BT2 Boron Compounds
BT1 Silicon Halides
BT2 Halides
BT3 Halogen Compounds
BT2 Silicon Compounds

SILICON BROMIDES [01]
DA December 1, 1974
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Silicon Compounds

SILICON CARBIDES [01]
DA December 1, 1974
BT1 Carbides
BT2 Carbon Compounds
BT1 Silicon Compounds

SILICON CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Silicon Halides
BT2 Halides
BT3 Halogen Compounds
BT2 Silicon Compounds

SILICON COMPLEXES [01]
DA December 1, 1974
BT1 Complexes

SILICON COMPOUNDS [01]
(See also SILANES, SILOXANES and SILICONES.)
DA December 1, 1974
NT1 Alumel
NT1 Silanes
* NT1 Silicates
NT1 Silicides
NT2 Aluminium Silicides
NT2 Americium Silicides
NT2 Boron Silicides
NT2 Calcium Silicides
NT2 Cerium Silicides
NT2 Cesium Silicides
NT2 Chromium Silicides
NT2 Cobalt Silicides
NT2 Copper Silicides
NT2 Curium Silicides

NT2 Dysprosium Silicides
NT2 Erbium Silicides
NT2 Europium Silicides
NT2 Gadolinium Silicides
NT2 Germanium Silicides
NT2 Gold Silicides
NT2 Hafnium Silicides
NT2 Holmium Silicides
NT2 Iridium Silicides
NT2 Iron Silicides
NT2 Lanthanum Silicides
NT2 Lithium Silicides
NT2 Lutetium Silicides
NT2 Magnesium Silicides
NT2 Manganese Silicides
NT2 Molybdenum Silicides
NT2 Neodymium Silicides
NT2 Nickel Silicides
NT2 Niobium Silicides
NT2 Palladium Silicides
NT2 Platinum Silicides
NT2 Potassium Silicides
NT2 Praseodymium Silicides
NT2 Rhenium Silicides
NT2 Rhodium Silicides
NT2 Rubidium Silicides
NT2 Ruthenium Silicides
NT2 Samarium Silicides
NT2 Scandium Silicides
NT2 Sodium Silicides
NT2 Tantalum Silicides
NT2 Terbium Silicides
NT2 Thorium Silicides
NT2 Thulium Silicides
NT2 Titanium Silicides
NT2 Tungsten Silicides
NT2 Uranium Silicides
NT2 Vanadium Silicides
NT2 Ytterbium Silicides
NT2 Yttrium Silicides
NT2 Zinc Silicides
NT2 Zirconium Silicides
NT1 Silicon Arsenides
NT1 Silicon Bromides
NT1 Silicon Carbides
NT1 Silicon Halides
NT2 Silicon Borides
NT2 Silicon Chlorides
NT2 Silicon Fluorides
NT2 Silicon Iodides
NT1 Silicon Hydroxides
NT1 Silicon Nitrides
NT1 Silicon Oxides
NT2 Silica
NT3 Opals
NT1 Silicon Phosphates
NT1 Silicon Phosphides
NT1 Silicon Sulfides
RT Organic Silicon Compounds

SILICON DIODES [01]
DA December 1, 1974
BT1 Semiconductor Diodes
BT2 Semiconductor Devices

SILICON FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Silicon Halides
BT2 Halides
BT3 Halogen Compounds
BT2 Silicon Compounds

SILICON HALIDES [01]
DA February 15, 1978
BT1 Halides
BT2 Halogen Compounds
BT1 Silicon Compounds
NT1 Silicon Borides
NT1 Silicon Chlorides
NT1 Silicon Fluorides
NT1 Silicon Iodides

Silicon Hydrides
DA December 1, 1974
USE Silanes

SILICON HYDROXIDES [01]
DA December 1, 1974
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds
BT1 Silicon Compounds

SILICON IODIDES [01]
DA December 1, 1974
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds
BT1 Silicon Halides
BT2 Halides
BT3 Halogen Compounds
BT2 Silicon Compounds

SILICON IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

SILICON ISOTOPES [01]
DA December 1, 1974
BT1 Isotopes
NT1 Silicon 22
NT1 Silicon 23
NT1 Silicon 24
NT1 Silicon 25
NT1 Silicon 26
NT1 Silicon 27
NT1 Silicon 28
NT1 Silicon 29
NT1 Silicon 30
NT1 Silicon 31
NT1 Silicon 32
NT1 Silicon 33
NT1 Silicon 34
NT1 Silicon 35
NT1 Silicon 36
NT1 Silicon 37
NT1 Silicon 38
NT1 Silicon 39
NT1 Silicon 40
NT1 Silicon 41
NT1 Silicon 42

SILICON NITRIDES [01]
DA December 1, 1974
UF+ *SIALON*
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides
BT1 Silicon Compounds

Silicon on Ceramic Solar Cells
DA July 18, 1981
USE SOC Solar Cells

SILICON OXIDES [01]
DA December 1, 1974
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds
BT1 Silicon Compounds
NT1 Silica
NT2 Opals
RT Cristobalite
RT Glass
RT Oxide Minerals
RT Quartz
RT Rhyolites
RT Sand
RT Silica Gel
RT Silicates
RT Siloxanes
RT Stishovite

SILICON PHOSPHATES [01]
DA December 1, 1974
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds
BT1 Silicon Compounds

SILICON PHOSPHIDES [01]
DA July 6, 1978
BT1 Phosphides
BT2 Phosphorus Compounds
BT2 Pnictides
BT1 Silicon Compounds

Silicon Semiconductor Detectors
DA December 28, 1978
USE Si Semiconductor Detectors

SILICON SOLAR CELLS [01]
DA January 24, 1975
BT1 Solar Cells
BT2 Photovoltaic Cells
BT3 Photoelectric Cells
BT4 Direct Energy Converters
BT2 Solar Equipment
BT3 Equipment
NT1 SOC Solar Cells

SILICON SULFIDES [01]
DA December 1, 1974
BT1 Silicon Compounds
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds

SILICONES [01]
DA December 1, 1974
BT1 Polymers
BT1 Siloxanes
BT2 Organic Silicon Compounds
BT3 Organic Compounds
NT1 DC Resins
NT1 Silastic

Siliconizing
DA December 1, 1974
USE Diffusion Coating

Silicosis
DA December 1, 1974
USE Pneumoconioses

SILKWORM [01]
DA December 1, 1974
UF *Bombyx*
BT1 Moths
BT2 Lepidoptera
BT3 Insects
BT4 Arthropods
BT5 Invertebrates
BT6 Animals

SILLIAC COMPUTERS [01]
DA December 1, 1974
BT1 Computers

SILOE REACTOR [01]
DA December 1, 1974
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

SILOETTE REACTOR [01]
DA December 1, 1974
UF *Grenoble Reactor Melusine-2*
UF *Melusine-2 Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

SILOXANES [01]
DA December 1, 1974
BT1 Organic Silicon Compounds
BT2 Organic Compounds
NT1 Silicones
NT2 DC Resins

NT2 Silastic
RT Silicon Oxides

SILT [01]
DA December 1, 1974
RT Sediments
RT Shales

SILTSTONES [01]
DA July 20, 1984
BT1 Sedimentary Rocks
BT2 Rocks
RT Sandstones
RT Shales

SILURIAN PERIOD [01]
DA October 19, 1977
BT1 Paleozoic Era
BT2 Geologic Ages

SILVER [01]
DA December 1, 1974
BT1 Transition Elements
BT2 Metals
BT3 Elements

SILVER 95 [01]
DA October 11, 1983
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Silver Isotopes
BT2 Isotopes

SILVER 96 [01]
DA June 7, 1982
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Silver Isotopes
BT2 Isotopes

SILVER 97 [01]
DA March 28, 1979
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Silver Isotopes
BT2 Isotopes

SILVER 98 [01]
DA March 28, 1979
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Silver Isotopes
BT2 Isotopes

SILVER 99 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Silver Isotopes
BT2 Isotopes

SILVER 100 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Silver Isotopes
BT2 Isotopes

SILVER 101 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Silver Isotopes
BT2 Isotopes

SILVER 102 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Silver Isotopes
BT2 Isotopes

SILVER 103 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Silver Isotopes
BT2 Isotopes

SILVER 104 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Silver Isotopes
BT2 Isotopes

SILVER 105 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Silver Isotopes
BT2 Isotopes

SILVER 106 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Silver Isotopes
BT2 Isotopes

SILVER 106 TARGET [01]
DA February 21, 1986
BT1 Targets

SILVER 107 [01]
DA December 1, 1974
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Silver Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

SILVER 107 BEAMS [01]
DA June 16, 1975
BT1 Ion Beams
BT2 Beams

SILVER 107 TARGET [01]
DA July 9, 1976
BT1 Targets

SILVER 108 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Silver Isotopes
BT2 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

SILVER 108 TARGET [01]
DA September 21, 1976
BT1 Targets

SILVER 109 [01]
DA December 1, 1974
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Silver Isotopes
BT2 Isotopes
BT1 Stable Isotopes
BT2 Isotopes

SILVER 109 REACTIONS [01]
DA December 5, 1988
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

SILVER 109 TARGET [01]
DA July 9, 1976
BT1 Targets

SILVER 110 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Silver Isotopes
BT2 Isotopes

SILVER 110 TARGET [01]
DA February 10, 1984
BT1 Targets

SILVER 111 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Silver Isotopes
BT2 Isotopes

SILVER 112 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Silver Isotopes
BT2 Isotopes

SILVER 113 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Silver Isotopes
BT2 Isotopes

SILVER 114 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Silver Isotopes
BT2 Isotopes

SILVER 115 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Silver Isotopes
BT2 Isotopes

SILVER 116 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei

BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Silver Isotopes
BT2 Isotopes

SILVER 117 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Silver Isotopes
BT2 Isotopes

SILVER 118 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Silver Isotopes
BT2 Isotopes

SILVER 119 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Silver Isotopes
BT2 Isotopes

SILVER 120 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Silver Isotopes
BT2 Isotopes

SILVER 121 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Silver Isotopes
BT2 Isotopes

SILVER 122 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Silver Isotopes
BT2 Isotopes

SILVER 123 [01]
DA April 19, 1976
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Silver Isotopes
BT2 Isotopes

SILVER ADDITIONS [01]
DA December 1, 1974
BT1 Silver Alloys
BT2 Alloys

SILVER ALLOYS [01]
DA December 1, 1974
UF+ *Alloy-GE*
BT1 Alloys
NT1 Silver Additions
NT1 Silver Base Alloys

SILVER ARSENIDES [01]
DA August 9, 1979
BT1 Arsenides
BT2 Arsenic Compounds
BT2 Pnictides
BT1 Silver Compounds
BT2 Transition Element Compounds

SILVER BASE ALLOYS [01]
DA December 1, 1974
BT1 Silver Alloys
BT2 Alloys

SILVER BROMIDES [01]
DA December 1, 1974
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Silver Compounds
BT2 Transition Element Compounds

SILVER-CADMIUM BATTERIES
DA January 27, 1975
BT1 Metal-Metal Oxide Batteries
BT2 Electric Batteries
BT3 Electrochemical Cells

SILVER CARBONATES [01]
DA December 1, 1974
BT1 Carbonates
BT2 Carbon Compounds
BT2 Oxygen Compounds
BT1 Silver Compounds
BT2 Transition Element Compounds

SILVER CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Silver Compounds
BT2 Transition Element Compounds

SILVER COMPLEXES [01]
DA December 1, 1974
BT1 Transition Element Complexes
BT2 Complexes

SILVER COMPOUNDS [01]
DA December 1, 1974
BT1 Transition Element Compounds
NT1 Silver Arsenides
NT1 Silver Bromides
NT1 Silver Carbonates
NT1 Silver Chlorides
NT1 Silver Fluorides
NT1 Silver Hydrides
NT1 Silver Hydroxides
NT1 Silver Iodides
NT1 Silver Nitrates
NT1 Silver Nitrides
NT1 Silver Oxides
NT1 Silver Perchlorates
NT1 Silver Phosphates
NT1 Silver Selenides
NT1 Silver Sulfates
NT1 Silver Sulfides
NT1 Silver Tellurides
NT1 Silver Tungstates

SILVER FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Silver Compounds
BT2 Transition Element Compounds

SILVER HYDRIDES [01]
DA January 31, 1975
BT1 Hydrides
BT2 Hydrogen Compounds
BT1 Silver Compounds
BT2 Transition Element Compounds

SILVER-HYDROGEN BATTERIES
DA March 29, 1980
BT1 Metal-Gas Batteries
BT2 Electric Batteries
BT3 Electrochemical Cells

SILVER HYDROXIDES [01]
DA January 31, 1975
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds
BT1 Silver Compounds
BT2 Transition Element Compounds

SILVER IODIDES [01]
DA December 1, 1974
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds
BT1 Silver Compounds
BT2 Transition Element Compounds

SILVER IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

SILVER ISOTOPES [01]
DA December 1, 1974
BT1 Isotopes
NT1 Silver 95
NT1 Silver 96
NT1 Silver 97
NT1 Silver 98
NT1 Silver 99
NT1 Silver 100
NT1 Silver 101
NT1 Silver 102
NT1 Silver 103
NT1 Silver 104
NT1 Silver 105
NT1 Silver 106
NT1 Silver 107
NT1 Silver 108
NT1 Silver 109
NT1 Silver 110
NT1 Silver 111
NT1 Silver 112
NT1 Silver 113
NT1 Silver 114
NT1 Silver 115
NT1 Silver 116
NT1 Silver 117
NT1 Silver 118
NT1 Silver 119
NT1 Silver 120
NT1 Silver 121
NT1 Silver 122
NT1 Silver 123

SILVER NITRATES [01]
DA December 1, 1974
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds
BT1 Silver Compounds
BT2 Transition Element Compounds

SILVER NITRIDES [01]
DA December 1, 1974
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides
BT1 Silver Compounds
BT2 Transition Element Compounds

SILVER ORES [01]
DA December 1, 1974
BT1 Ores

SILVER OXIDES [01]
DA December 1, 1974
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds
BT1 Silver Compounds
BT2 Transition Element Compounds

SILVER PERCHLORATES [01]
DA December 1, 1974
BT1 Perchlorates
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Oxygen Compounds
BT1 Silver Compounds
BT2 Transition Element Compounds

SILVER PHOSPHATES [01]
DA December 1, 1974
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds
BT1 Silver Compounds
BT2 Transition Element Compounds

SILVER SELENIDES [01]
DA August 4, 1976
BT1 Selenides
BT2 Chalcogenides
BT2 Selenium Compounds
BT1 Silver Compounds
BT2 Transition Element Compounds

SILVER SULFATES [01]
DA December 1, 1974
BT1 Silver Compounds
BT2 Transition Element Compounds
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds

SILVER SULFIDES [01]
DA December 1, 1974
BT1 Silver Compounds
BT2 Transition Element Compounds
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds

SILVER TELLURIDES [01]
DA February 19, 1976
BT1 Silver Compounds
BT2 Transition Element Compounds
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds

SILVER TUNGSTATES [01]
DA July 5, 1978
BT1 Silver Compounds
BT2 Transition Element Compounds
BT1 Tungstates

SILVER-ZINC BATTERIES
DA January 27, 1975
BT1 Metal-Metal Oxide Batteries
BT2 Electric Batteries
BT3 Electrochemical Cells

SILVICULTURE [01]
DA January 15, 1988
BT1 Agriculture
BT1 Forestry
RT Biomass Plantations
RT Harvesting
RT Plant Breeding
RT Trees

SIMIAN VIRUS [01]
DA December 1, 1974
UF *Sv 40 Virus*
BT1 Viruses
BT2 Microorganisms
BT2 Parasites

Simmondsia chinensis
DA November 25, 1980
USE Jojoba

SIMPLEX PROCESS
DA October 23, 1979
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes
RT Biomass
DEF Slagging, moving-burden gasification process for coal or biomass being developed at Columbia University.

SIMS
(Secondary Ion Mass Spectroscopy.)
DA March 3, 1978
USE Ion Microprobe Analysis
AND Mass Spectroscopy

SIMULATION [01]
DA December 1, 1974
NT1 Computerized Simulation
NT1 Plasma Simulation
RT Functional Models
RT Operations Research
RT Scaling Laws
RT Simulators
RT Speech Synthesizers
RT Systems Analysis

SIMULATORS [01]
DA December 1, 1974
BT1 Analog Systems
BT1 Functional Models
NT1 Reactor Simulators
NT1 Solar Simulators
RT Microcosms
RT Mockup
RT Plasma Simulation
RT Scale Models
RT Simulation

Simulators (Reactor)
DA December 1, 1974
USE Reactor Simulators

SIN CYCLOTRON [01]
(Includes the 590 MeV ring cyclotron and the two injector cyclotrons.)
DA December 1, 1974
UF *Swiss Institute Nuclear Research Cyclotron*
UF *Villigen Cyclotron*
BT1 Isochronous Cyclotrons
BT2 Cyclotrons
BT3 Cyclic Accelerators
BT4 Accelerators

Sine Generators
DA December 1, 1974
USE Function Generators

SINE-GORDON EQUATION [01]
DA December 16, 1976
BT1 Field Equations
BT2 Equations
RT Quantum Field Theory
DEF Field equation in two space-time dimensions defining a quantum field theory.

SINGAPORE [01]
DA December 1, 1974
BT1 Asia
BT1 Developing Countries
BT1 Islands
RT Pacific Ocean

Single Administration
DA December 1, 1974
USE Single Intake

SINGLE CELL PROTEIN
DA January 23, 1976
RT Animal Feeds
RT Autotrophs
RT Batch Culture
RT Continuous Culture
RT Culture Media
RT Proteins
RT Semibatch Culture
DEF Feed and food protein derived from single-cell microorganisms grown on various resources and wastes.

Single Crystals
DA December 1, 1974
USE Monocrystals

SINGLE INTAKE [01]
DA December 1, 1974
UF *Single Administration*
UF+ *Accidental Intake*
BT1 Intake
RT Accidents
RT First Aid
RT Injuries

Single-Level Resonance Formula
DA December 1, 1974
USE Breit-Wigner Formula

SINGLE-PARTICLE MODEL [01]
DA December 1, 1974
UF *Independent-Particle Model*
BT1 Particle Models
BT2 Mathematical Models
RT Atomic Models
RT Nuclear Models
RT Quasiparticle-Phonon Model
RT Schmidt Model

SINGLE-PARTICLE MODES [01]
DA December 1, 1974
UF *Modes (Single-Particle)*
BT1 Oscillation Modes

SINGLE PHOTON EMISSION COMPUTED TOMOGRAPHY
DA May 7, 1980
BT1 Emission Computed Tomography
BT2 Computerized Tomography
BT3 Tomography
BT4 Diagnostic Techniques
RT Gamma Cameras
RT Radioisotope Scanning

SINGULARITY [01]
DA December 1, 1974
UF+ *Residues (Mathematical)*
RT Functions
RT Landau Curves
RT S Matrix
RT Scattering Amplitudes

SINKS
DA December 10, 1979
NT1 Carbon Sinks
NT1 Heat Sinks
RT Absorption
RT Diffusion
RT Environmental Transport
DEF A point, line, or area at which mass or energy is removed from a system.

Sintered Aluminum Powders
DA December 1, 1974
USE SAP

SINTERED MATERIALS [01]
DA December 1, 1974
BT1 Materials
NT1 SAP
RT Powder Metallurgy
RT Powders
RT Sintering

SINTERING [01]
DA December 1, 1974
UF *Liquid-Phase Sintering*
BT1 Fabrication
RT Agglomeration
RT Furnaces
RT Porosity
RT Powder Metallurgy
RT Sintered Materials

SINTERS
DA March 31, 1976
BT1 Sedimentary Rocks
BT2 Rocks
DEF Chemical sedimentary rocks desposited as a hard incrustation on rocks or on the ground by precipitation from cold mineral water of springs, lakes, or streams; specifically siliceous sinter and calcareous sinter.

SINUSES [01]
DA January 30, 1979
RT Body Areas
DEF A term used in anatomical nomenclature to designate a cavity or hollow space.

Sioux Falls Pathfinder Reactor
DA December 1, 1974
USE Pathfinder Reactor

Siredon
DA December 1, 1974
USE Axolotl

SIRIUS DEVICE [01]
DA December 1, 1974
BT1 Stellarators
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

Sirius Synchrotron
DA December 1, 1974
USE Tomsk Synchrotron

→**SIS SYNCHROTRON [01]**
DA February 25, 1991
UF *Darmstadt Synchrotron*
BT1 Heavy Ion Accelerators
BT2 Accelerators
BT1 Synchrotrons
BT2 Cyclic Accelerators
BT3 Accelerators

SISTER CHROMATID EXCHANGES [01]
DA November 10, 1977
BT1 Chromosomal Aberrations
BT2 Mutations
RT Chromatids
RT Genetic Effects
RT Genetic Radiation Effects
RT Hereditary Diseases

→**SITE APPROVALS [01]**
DA November 26, 1990
RT Licenses
RT Nuclear Facilities
RT Property Rights
RT Reactor Sites
RT Site Preparation
RT Site Selection

SITE CHARACTERIZATION [01]
DA April 29, 1986
UF *Site Surveys*
RT Geochemistry
RT Geography
RT Geology
RT Geomorphology
RT Hydrology
RT Meteorology
RT Site Selection
RT Stratigraphy
RT Topography
DEF Surveys of particular sites to establish their characteristics, e.g. hydrology, geological and topographical features, etc.

SITE PREPARATION [01]
DA July 7, 1976
RT Reactor Sites
RT Site Approvals
RT Site Selection

Site Rehabilitation
DA October 9, 1990
USE Remedial Action

SITE SELECTION [01]
DA December 1, 1974
UF *Reactor Siting*
RT Accidents
RT Archaeological Sites
RT Environment
RT External Zones
RT Licensing
RT Meteorology
RT Offshore Nuclear Power Plants
RT Offshore Sites
RT Planning
RT Reactor Safety
RT Reactor Sites
RT Site Approvals
RT Site Characterization
RT Site Preparation

Site Surveys
(Prior to March 1993 this was a valid descriptor.)
DA October 27, 1980
USE Site Characterization

Sites (Reactor)
DA December 1, 1974
USE Reactor Sites

SITOSTEROL [01]
DA December 1, 1974
BT1 Sterols
BT2 Hydroxy Compounds
BT3 Organic Compounds
BT2 Steroids
BT3 Organic Compounds

SIZE [01]
DA December 1, 1974
NT1 Critical Size
NT1 Grain Size
NT1 Particle Size
RT Dimensions
RT Sizing
RT Thickness
RT Volume
RT Width

SIZEWELL-A REACTOR [01]
(Sizewell, Suffolk, UK.)
DA December 1, 1974
UF *Sizewell Nuclear Power Station A*
BT1 Carbon Dioxide Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Magnox Type Reactors
BT2 GCR Type Reactors
BT3 Gas Cooled Reactors
BT4 Reactors
BT3 Graphite Moderated Reactors
BT4 Reactors
BT2 Natural Uranium Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

SIZEWELL-B REACTOR [01]
(Sizewell, Suffolk, UK.)
DA December 1, 1974
UF *Sizewell Nuclear Power Station B*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

Sizewell Nuclear Power Station A
DA December 1, 1974
USE Sizewell-A Reactor

Sizewell Nuclear Power Station B
DA December 1, 1974
USE Sizewell-B Reactor

SIZING
DA December 14, 1981
RT Optimization
RT Size

SKAGIT-1 REACTOR [01]
(Hanford, Washington, USA)
DA January 23, 1975
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
RT GE Standard Reactor

SKAGIT-2 REACTOR [01]
(Hanford, Washington, USA)
DA January 23, 1975
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
RT GE Standard Reactor

SKAGIT RIVER [01]
DA October 27, 1980
BT1 Rivers
BT2 Streams
BT3 Surface Waters
RT Hydroelectric Power Plants
RT Washington

SKATING RINKS
DA December 21, 1981
RT Commercial Buildings
RT Public Buildings

SKELETAL DISEASES [01]
DA December 1, 1974
UF *Bone Diseases*
UF+ *Chondrosarcomas*
BT1 Diseases
NT1 Osteomyelitis
NT1 Osteoporosis
NT1 Osteoradionecrosis
NT1 Osteosarcomas
NT1 Rheumatic Diseases
NT2 Spondylitis
NT1 Rickets
RT Bone Fractures
RT Bone Joints
RT Bone Tissues
RT Skeleton

Skeletal Fossils
DA October 7, 1980
USE Fossils

SKELETON [01]
DA December 1, 1974
UF *Bones*
BT1 Organs
BT2 Body
NT1 Bone Joints
NT1 Exoskeleton
NT1 Femur
NT1 Skull
NT2 Jaw
NT1 Tibia
NT1 Vertebrae
RT Bone Tissues
RT Limbs
RT Skeletal Diseases

SKIMMERS [01]
DA August 4, 1976
BT1 Pollution Control Equipment
BT2 Equipment
RT Offshore Operations
RT Oil Spills
DEF Equipment of oil spill cleanup and removal.

SKIN [01]
DA December 1, 1974
UF+ *Sebaceous Glands*
UF+ *Sweat Glands*
BT1 Organs
BT2 Body
NT1 Epidermis
NT1 Hair
NT1 Hair Follicles
NT1 Nails
RT Epilation
RT Erythema
RT Feathers
RT Fish Scales
RT Gloves
RT Leather
RT Lupus
RT Melanin
RT Ointments
RT Psoriasis
RT Skin Absorption
RT Skin Diseases
RT Sweat
RT Tissues
RT Wounds

SKIN ABSORPTION [01]
DA December 1, 1974
UF *Absorption (Skin)*
BT1 Absorption
BT2 Sorption
BT1 Uptake
RT Gloves
RT Protective Clothing
RT Skin

Skin Damage
DA January 21, 1983
USE Formation Damage

SKIN DISEASES [01]
DA December 1, 1974
BT1 Diseases
NT1 Dermatitis
NT2 Radiodermatitis
NT1 Eczema
NT1 Herpes Simplex
NT1 Psoriasis
NT1 Telangiectasis
NT1 Xeroderma Pigmentosum
RT Burns
RT Epilation
RT Erythema
RT Lupus
RT Sense Organs Diseases
RT Skin

SKIN EFFECT [01]
DA December 1, 1974
RT Electric Conductors
RT Electric Currents
RT Magnetic Flux

Skin Effect (Well)
DA January 21, 1983
USE Formation Damage

SKLODOWSKITE [01]
DA December 1, 1974
BT1 Magnesium Silicates
BT2 Magnesium Compounds
BT3 Alkaline Earth Metal Compounds
BT2 Silicates
BT3 Oxygen Compounds
BT3 Silicon Compounds
BT1 Silicate Minerals
BT2 Minerals
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
BT1 Uranium Silicates
BT2 Silicates
BT3 Oxygen Compounds
BT3 Silicon Compounds
BT2 Uranium Compounds
BT3 Actinide Compounds

SKULL [01]
DA December 1, 1974
BT1 Skeleton
BT2 Organs
BT3 Body
NT1 Jaw
RT Brain
RT Head

SKY
DA September 8, 1981
NT1 Night Sky
RT Cloud Cover
RT Clouds
RT Sun

SKYLAB [01]
DA December 1, 1974
BT1 Satellites

SKYLIGHTS
DA October 1, 1975
RT Buildings
RT Daylighting
RT Glazing
RT Glazing Materials
RT Lighting Systems
RT Windows

SKYRME POTENTIAL [01]
DA January 22, 1975
UF+ *Skyrmions*
BT1 Nucleon-Nucleon Potential
BT2 Potentials
RT Elastic Scattering
RT Inelastic Scattering
RT Nuclear Reactions

Skyrmions
DA January 24, 1986
USE Skyrme Potential
AND Solitons

SL-1 REACTOR [01]
DA December 1, 1974
UF *Stationary Low Power Plant-1*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Process Heat Reactors
BT2 Reactors

SL GROUPS [01]
DA December 1, 1974
BT1 Lie Groups
BT2 Symmetry Groups

SLABS [01]
(Thicker than PLATES, primarily for use in shielding studies.)
DA December 1, 1974
RT Prismatic Configuration
RT Shape

SLAGGIE MODEL [01]
DA December 1, 1974
RT Transport Theory

SLAGGING PYROLYSIS PROCESS [01]
DA November 1, 1976
BT1 Waste Processing
BT2 Processing
BT2 Waste Management
BT3 Management
RT Andco-Torrax Slagging Pyrolysis System

SLAGS [01]
DA December 1, 1974
RT Gangue
RT Seed-Slag Interactions

SLAT TYPE COLLECTORS
DA October 25, 1978
UF *Linear-Segmented Array Collector*
BT1 Concentrating Collectors
BT2 Solar Collectors
BT3 Solar Equipment
BT4 Equipment

Slater Determinant
DA December 1, 1974
USE Slater Method

Slater Integrals
DA December 1, 1974
USE Slater Method

SLATER METHOD [01]
DA December 1, 1974
UF *Slater Determinant*
UF *Slater Integrals*
UF *Slater Orbitals*
BT1 Calculation Methods
RT Aligned Coupling Scheme
RT Electronic Structure
RT Wave Functions

Slater Orbitals
DA December 1, 1974
USE Slater Method

Slatis-Siegbahn Spectrometers
DA December 1, 1974
USE Magnetic Lens Spectrometers

SLC
DA March 6, 1984
USE Stanford Linear Collider

SLC Detectors
(Prior to January 1992, this was a valid descriptor.)
DA January 16, 1992
USE Stanford Linear Collider Detector

SLD
DA January 14, 1986
SEE Stanford Linear Collider Detector

SLEEP [01]
DA December 1, 1974
RT Aestivation
RT Central Nervous System Depressants
RT Hibernation
RT Hypnotics and Sedatives
RT Physiology

SLEEVES [01]
DA December 1, 1974
RT Jackets
RT Reactor Components

SLICE MINING
DA May 6, 1980
BT1 Underground Mining
BT2 Mining
RT Coal Mining

SLIDING FRICTION [01]
DA December 1, 1974
BT1 Friction

SLIGHTLY ENRICHED URANIUM [01]
(0 - 5 per cent.)
DA December 1, 1974
BT1 Enriched Uranium
BT2 Isotope Enriched Materials
BT3 Materials
BT2 Uranium
BT3 Actinides
BT4 Metals
BT5 Elements

Slime Fungi
DA December 1, 1974
USE Myxomycetes

SLIP [01]
DA December 1, 1974
RT Deformation
RT Dislocations
RT Slip Ratio
RT Slip Velocity
RT Twinning

SLIP CASTING [01]
(Non-metallurgical procedure.)
DA December 1, 1974
BT1 Casting
BT2 Fabrication
RT Ceramics

SLIP FLOW [01]
DA December 1, 1974
BT1 Gas Flow
BT2 Fluid Flow
DEF Rarefied gas flow in the region between Knudsen numbers 0.01 and 0.1 only.

SLIP RATIO [01]
DA December 1, 1974
RT Slip

SLIP VELOCITY [01]
DA December 1, 1974
BT1 Velocity
RT Slip

SLM
DA April 7, 1983
USE Scanning Light Microscopy

SLOOP EVENT [01]
DA December 1, 1974
BT1 Plowshare Project
RT Mining

SLOPE STABILITY [01]
DA March 27, 1979
BT1 Stability
RT Ground Motion
RT Strata Control
RT Surface Mining

Slot Ovens
DA September 27, 1979
USE Coke Ovens

→**SLOVAK REPUBLIC [01]**
DA May 6, 1993
BT1 Eastern Europe
BT2 Europe
RT Czechoslovakia

→**SLOVENIA [01]**
DA January 28, 1993
BT1 Eastern Europe
BT2 Europe

SLOW NEUTRONS [01]
DA December 1 1974
BT1 Neutrons
BT2 Nucleons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles

Slowdown
DA December 1, 1974
USE Slowing-Down

SLOWING-DOWN [01]
DA December 1, 1974
UF *Slowdown*
NT1 Thermalization
RT Absorption
RT Energy Losses
RT Fermi Age Theory
RT Greuling-Goertzel Approximation
RT Neutron Age
RT Neutron Converters
RT Neutron Slowing-Down Theory
RT Neutron Transport Theory
RT Selengut-Goertzel Equation
RT Slowing-Down Kernels
RT Slowing-Down Length
RT Van Hove Theory
RT Wick Method
RT Wigner-Wilkins Model
RT Wilkins Equation

Slowing-Down Area
DA December 1, 1974
USE Slowing-Down Length

SLOWING-DOWN KERNELS [01]
DA December 1, 1974
UF *Kernels (Slowing-Down)*
RT Neutron Slowing-Down Theory
RT Slowing-Down

SLOWING-DOWN LENGTH [01]
DA December 1, 1974
UF *Slowing-Down Area*
BT1 Length
BT2 Dimensions
RT Migration Length
RT Slowing-Down

Slowing-Down Theory (Neutron)
DA December 1, 1974
USE Neutron Slowing-Down Theory

SLOWPOKE-ALBERTA REACTOR [01]
(University of Alberta, Faculty of Pharmacy, Edmonton, Alberta, Canada.)
DA January 24, 1980
UF *University of Alberta Slowpoke Reactor*
BT1 Slowpoke Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Isotope Production Reactors
BT3 Irradiation Reactors
BT4 Reactors
BT2 Pool Type Reactors
BT3 Water Cooled Reactors
BT4 Reactors
BT3 Water Moderated Reactors
BT4 Reactors
BT2 Research Reactors
BT3 Research and Test Reactors
BT4 Reactors

SLOWPOKE-DALHOUSIE REACTOR [01]
DA January 24, 1980
UF *Dalhousie University Slowpoke Reactor*
BT1 Slowpoke Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Isotope Production Reactors
BT3 Irradiation Reactors
BT4 Reactors
BT2 Pool Type Reactors
BT3 Water Cooled Reactors
BT4 Reactors
BT3 Water Moderated Reactors
BT4 Reactors
BT2 Research Reactors
BT3 Research and Test Reactors
BT4 Reactors

SLOWPOKE-MONTREAL REACTOR [01]
DA January 24, 1980
UF *University of Montreal Slowpoke Reactor*
BT1 Slowpoke Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Isotope Production Reactors
BT3 Irradiation Reactors
BT4 Reactors
BT2 Pool Type Reactors
BT3 Water Cooled Reactors
BT4 Reactors
BT3 Water Moderated Reactors
BT4 Reactors
BT2 Research Reactors
BT3 Research and Test Reactors
BT4 Reactors

SLOWPOKE-OTTAWA REACTOR [01]
(Atomic Energy of Canada Ltd, Commercial Products, Ottawa, Ontario, Canada.)
DA December 1, 1974
UF *AECL Radiochemical Slowpoke Reactor*
UF *Slowpoke Reactor (Ottawa)*
BT1 Slowpoke Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Isotope Production Reactors
BT3 Irradiation Reactors
BT4 Reactors
BT2 Pool Type Reactors
BT3 Water Cooled Reactors
BT4 Reactors
BT3 Water Moderated Reactors
BT4 Reactors
BT2 Research Reactors
BT3 Research and Test Reactors
BT4 Reactors

Slowpoke Reactor (Ottawa)
DA December 1, 1974
USE Slowpoke-Ottawa Reactor

Slowpoke Reactor (Toronto)
DA December 1, 1974
USE Slowpoke-Toronto Reactor

SLOWPOKE-TORONTO REACTOR [01]
(University of Toronto, Dept. of Chemical Engineering, Toronto, Ontario, Canada.)
DA December 1, 1974
UF *Slowpoke Reactor (Toronto)*
UF *University of Toronto Slowpoke Reactor*
BT1 Slowpoke Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Isotope Production Reactors
BT3 Irradiation Reactors
BT4 Reactors
BT2 Pool Type Reactors
BT3 Water Cooled Reactors
BT4 Reactors
BT3 Water Moderated Reactors
BT4 Reactors
BT2 Research Reactors
BT3 Research and Test Reactors
BT4 Reactors

SLOWPOKE TYPE REACTORS [01]
DA January 24, 1980
UF *Safe Low Power Critical Experiment*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
NT1 Slowpoke-Alberta Reactor
NT1 Slowpoke-Dalhousie Reactor
NT1 Slowpoke-Montreal Reactor
NT1 Slowpoke-Ottawa Reactor
NT1 Slowpoke-Toronto Reactor
NT1 Slowpoke-WNRE Reactor

SLOWPOKE-WNRE REACTOR [01]
(Whiteshell Nuclear Research Establish-ment, Pinawa, Manitoba, Canada.)
DA November 20, 1986
BT1 Process Heat Reactors
BT2 Reactors
BT1 Slowpoke Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Isotope Production Reactors
BT3 Irradiation Reactors
BT4 Reactors
BT2 Pool Type Reactors
BT3 Water Cooled Reactors
BT4 Reactors
BT3 Water Moderated Reactors
BT4 Reactors
BT2 Research Reactors
BT3 Research and Test Reactors
BT4 Reactors
RT District Heating

SLUDGES [01]
DA May 17, 1976
NT1 Sewage Sludge
RT Sediments
RT Slurries
RT Soil Conservation
RT Wastes

Slugs (Fuel)
DA December 1, 1974
USE Fuel Rods

SLUREX PROCESS [01]
DA December 1, 1974
BT1 Separation Processes
RT Leaching
RT Ore Enrichment
RT Ore Processing
RT Slurries
RT Solvent Extraction
RT Uranium Concentrates

SLURRIES [01]
DA December 1, 1974
UF *Pulps*
BT1 Mixtures
BT2 Dispersions
BT1 Suspensions
BT2 Dispersions
NT1 Fuel Slurries
RT Ore Processing
RT Sewage Sludge
RT Sludges
RT Slurex Process
RT Slurry Pipelines

Slurries (Fuel)
DA December 1, 1974
USE Fuel Slurries

SLURRY PIPELINES [01]
DA August 19, 1975
BT1 Freight Pipelines
BT2 Pipelines
RT Coal
RT Hydraulic Transport
RT Slurries

SLURRY REACTORS [01]
DA December 1, 1974
BT1 Fuel Dispersion Reactors
BT2 Homogeneous Reactors
BT3 Reactors
RT Fuel Slurries

SLUSH
DA January 23, 1976
RT Hydrogen Fuels
RT Ice
RT Propellants
RT Snow
RT Water

SM-1 REACTOR [01]
DA December 1, 1974
UF *Stationary Medium Power Plant-1*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

SM-1A REACTOR [01]
DA December 1, 1974
UF *Stationary Medium Power Plant-1A*
BT1 Process Heat Reactors
BT2 Reactors
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

SM-2 REACTOR [01]
DA December 1, 1974
UF *Melekess-SM-2 Reactor*
BT1 Materials Testing Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors

SMALL ANGLE SCATTERING [01]
DA December 1, 1974
BT1 Scattering
RT Angular Distribution
RT Optical Theorem

SMALL BUSINESSES [01]
DA September 19, 1977
BT1 Business
RT Commercial Sector
RT Cooperatives
RT Economy
RT Gasoline Service Stations
RT Industry
RT Market
RT Restaurants
RT Retailers
RT Trade
DEF Businesses and commercial establishments employing fewer than 500 people.

SMALL INTESTINE [01]
DA December 1, 1974
UF *Duodenum*
UF *Ileum*
UF *Jejunum*
BT1 Intestines
BT2 Gastrointestinal Tract
BT3 Digestive System
BT2 Organs
BT3 Body
RT Ascaris
RT Intestinal Absorption
RT Mesentery

SMALL-SCALE HYDROELECTRIC POWER PLANTS [01]
DA July 6, 1981
BT1 Hydroelectric Power Plants
BT2 Power Plants
RT Low-Head Hydroelectric Power Plants
DEF Hydroelectric power plants generating from 100 kW to 30 MW.

SMARTOR DEVICE
DA December 22, 1977
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

SMECTITE [01]
DA November 29, 1976
BT1 Clays
BT1 Silicate Minerals
BT2 Minerals
RT Aluminium Silicates
DEF A green clay. A greenish variety of halloysite, $Al_4(Si_4O_{10})(OH)_8$.

SMELTERS [01]
DA October 27, 1980
RT Metal Industry
RT Pyrometallurgy
RT Smelting

SMELTING [01]
DA December 1, 1974
RT Melting
RT Pyrometallurgy
RT Smelters

SMES
DA October 20, 1982
USE Superconducting Magnetic Energy Storage

SMOG
DA November 28, 1975
RT Air Pollution
RT Atmospheric Chemistry
RT Photochemical Oxidants
RT Visibility

Smokatron
DA December 1, 1974
USE Electron-Ring Accelerators

SMOKE DETECTORS [01]
DA November 14, 1978
BT1 Fire Detectors
RT Aerosol Monitoring
RT Aerosols
RT Alarm Systems
RT Fires
RT Safety Engineering
RT Smokes

SMOKES [01]
DA December 1, 1974
BT1 Aerosols
BT2 Sols
BT3 Colloids
BT4 Dispersions
BT1 Residues
NT1 Tobacco Smokes
RT Plumes
RT Smoke Detectors
RT Soot
RT Visibility

SMOKY EVENT [01]
DA July 6, 1981
BT1 Atmospheric Explosions
BT2 Explosions
BT1 Plumbbob Project

BT2 Nuclear Explosions
BT3 Explosions

SMOLENSK-1 REACTOR [01]
DA September 20, 1984
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 LWGR Type Reactors
BT2 Graphite Moderated Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

SMOLENSK-2 REACTOR [01]
DA September 20, 1984
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 LWGR Type Reactors
BT2 Graphite Moderated Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

SMOOTH MANIFOLDS [01]
DA December 1, 1974
BT1 Mathematical Manifolds
RT Conformal Mapping
RT Differential Topology
RT Riemann Space
RT Topological Foliation

Smoothness
DA December 1, 1974
USE Roughness

SMP Devices
DA December 1, 1974
USE Scanning Measuring Projectors

SMR REACTOR
DA January 22, 1975
UF *Solid Moderated Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Graphite Moderated Reactors
BT2 Reactors
BT1 Materials Testing Reactors
BT2 Irradiation Reactors
BT3 Reactors

SN Method
DA December 1, 1974
USE Discrete Ordinate Method

SNAILS [01]
DA December 1, 1974
BT1 Molluscs
BT2 Aquatic Organisms
BT2 Invertebrates
BT3 Animals
RT Disease Vectors
RT Schistosomiasis
RT Seafood

SNAKE RIVER PLAIN [01]
DA August 4, 1981
SF *Geologic Provinces*
RT Idaho
RT Nevada
RT Oregon
RT Wyoming
RT Yellowstone National Park

SNAKES [01]
DA December 1, 1974
BT1 Reptiles
BT2 Vertebrates
BT3 Animals

SNAP 1 BATTERY [01]
DA December 1, 1974
BT1 SNAP Batteries
BT2 Radioisotope Batteries
BT3 Direct Energy Converters

SNAP-2 Developmental System
DA December 1, 1974
USE S2DS Reactor

SNAP-2 Experimental Reactor
DA December 1, 1974
USE SER Reactor

SNAP 2 REACTOR [01]
DA December 1, 1974
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 SNAP Reactors
BT2 Space Power Reactors
BT3 Mobile Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors
NT1 S2DS Reactor

SNAP-2/10A TSF Shielding Reactor
DA December 1, 1974
USE SNAP-TSF Reactor

SNAP 3 BATTERY [01]
DA December 1, 1974
BT1 SNAP Batteries
BT2 Radioisotope Batteries
BT3 Direct Energy Converters

SNAP 4 REACTOR
DA April 1, 1975
UF *S4 Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Potassium Cooled Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors
BT1 Process Heat Reactors
BT2 Reactors
BT1 Sodium Cooled Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors

SNAP 5 BATTERY [01]
DA December 1, 1974
BT1 SNAP Batteries
BT2 Radioisotope Batteries
BT3 Direct Energy Converters

SNAP 7 BATTERY [01]
DA December 1, 1974
BT1 SNAP Batteries
BT2 Radioisotope Batteries
BT3 Direct Energy Converters

SNAP-8 Developmental Reactor
DA December 1, 1974
USE S8DR Reactor

SNAP-8 Experimental Reactor
DA December 1, 1974
USE S8ER Reactor

SNAP 8 REACTOR [01]
DA December 1, 1974
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 SNAP Reactors
BT2 Space Power Reactors
BT3 Mobile Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors
NT1 S8DR Reactor
NT1 S8ER Reactor

SNAP 9 BATTERY [01]
DA December 1, 1974
BT1 SNAP Batteries
BT2 Radioisotope Batteries
BT3 Direct Energy Converters

SNAP 10 REACTOR [01]
DA December 1, 1974
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Potassium Cooled Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors
BT1 Process Heat Reactors
BT2 Reactors
BT1 SNAP Reactors
BT2 Space Power Reactors
BT3 Mobile Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors
BT1 Sodium Cooled Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors
NT1 S10FS-1 Reactor
NT1 S10FS-3 Reactor
NT1 S10FS-4 Reactor

SNAP-10A Flight System Test-1
DA December 1, 1974
USE S10FS-1 Reactor

SNAP-10A Flight System Test-3
DA December 1, 1974
USE S10FS-3 Reactor

SNAP-10A Flight System Test-4
DA December 1, 1974
USE S10FS-4 Reactor

SNAP-10A Transient Test Reactor
DA December 1, 1974
USE SNAPTRAN Reactors

SNAP 11 BATTERY [01]
DA December 1, 1974
BT1 SNAP Batteries
BT2 Radioisotope Batteries
BT3 Direct Energy Converters

SNAP 13 BATTERY [01]
DA December 1, 1974
BT1 SNAP Batteries
BT2 Radioisotope Batteries
BT3 Direct Energy Converters

SNAP 15 BATTERY [01]
DA December 1, 1974
BT1 SNAP Batteries
BT2 Radioisotope Batteries
BT3 Direct Energy Converters

SNAP 17 BATTERY [01]
DA December 1, 1974
BT1 SNAP Batteries
BT2 Radioisotope Batteries
BT3 Direct Energy Converters

SNAP 19 BATTERY [01]
DA December 1, 1974
BT1 SNAP Batteries
BT2 Radioisotope Batteries
BT3 Direct Energy Converters

SNAP 21 BATTERY [01]
DA December 1, 1974
BT1 SNAP Batteries
BT2 Radioisotope Batteries
BT3 Direct Energy Converters

SNAP 23 BATTERY [01]
DA December 1, 1974
BT1 SNAP Batteries
BT2 Radioisotope Batteries
BT3 Direct Energy Converters

SNAP 25 BATTERY [01]
DA December 1, 1974
BT1 SNAP Batteries
BT2 Radioisotope Batteries
BT3 Direct Energy Converters

SNAP 27 BATTERY [01]
DA December 1, 1974
BT1 SNAP Batteries
BT2 Radioisotope Batteries
BT3 Direct Energy Converters

SNAP 29 BATTERY [01]
DA December 1, 1974
BT1 SNAP Batteries
BT2 Radioisotope Batteries
BT3 Direct Energy Converters

SNAP 50 REACTOR [01]
DA April 15, 1975
BT1 Enriched Uranium Reactors

BT2 Reactors
BT1 SNAP Reactors
BT2 Space Power Reactors
BT3 Mobile Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors

SNAP BATTERIES [01]
(Battery Systems for Nuclear Auxiliary Power.)
DA December 1, 1974
BT1 Radioisotope Batteries
BT2 Direct Energy Converters
NT1 SNAP 1 Battery
NT1 SNAP 3 Battery
NT1 SNAP 5 Battery
NT1 SNAP 7 Battery
NT1 SNAP 9 Battery
NT1 SNAP 11 Battery
NT1 SNAP 13 Battery
NT1 SNAP 15 Battery
NT1 SNAP 17 Battery
NT1 SNAP 19 Battery
NT1 SNAP 21 Battery
NT1 SNAP 23 Battery
NT1 SNAP 25 Battery
NT1 SNAP 27 Battery
NT1 SNAP 29 Battery

SNAP REACTORS [01]
(Reactor Systems for Nuclear Auxiliary Power.)
DA December 1, 1974
BT1 Space Power Reactors
BT2 Mobile Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
NT1 SNAP 2 Reactor
NT2 S2DS Reactor
NT1 SNAP 8 Reactor
NT2 S8DR Reactor
NT2 S8ER Reactor
NT1 SNAP 10 Reactor
NT2 S10FS-1 Reactor
NT2 S10FS-3 Reactor
NT2 S10FS-4 Reactor
NT1 SNAP 50 Reactor
RT Thermionic Reactors

SNAP-TSF REACTOR [01]
DA December 1, 1974
UF *SNAP-2/10A TSF Shielding Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 NaK Cooled Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors
BT1 Potassium Cooled Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors
BT1 Process Heat Reactors
BT2 Reactors
BT1 Sodium Cooled Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors

SNAPTRAN-1 Reactor
DA December 1, 1974
USE SNAPTRAN Reactors

SNAPTRAN-2 Reactor
DA December 1, 1974
USE SNAPTRAN Reactors

SNAPTRAN-3 Reactor
DA December 1, 1974
USE SNAPTRAN Reactors

SNAPTRAN REACTORS [01]
DA December 1, 1974
UF *SNAP-10A Transient Test Reactor*
UF *SNAPTRAN-1 Reactor*
UF *SNAPTRAN-2 Reactor*
UF *SNAPTRAN-3 Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 NaK Cooled Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors
BT1 Potassium Cooled Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors
BT1 Sodium Cooled Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors

SNEAK REACTOR [01]
DA December 1, 1974
UF *Schnelle Null-Energie Anordnung Karlsruhe*
BT1 Air Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Fast Reactors
BT2 Epithermal Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors
RT Enriched Uranium Reactors
RT Plutonium Reactors

SNELL EXPERIMENT [01]
DA December 1, 1974
RT Fission

SNG
DA October 1, 1975
USE High BTU Gas

SNG PLANTS
DA October 13, 1976
BT1 Industrial Plants
RT High BTU Gas
RT SNG Processes

SNG PROCESSES
DA April 30, 1975
UF *RMProcess*
UF+ *Carbon Dioxide Acceptor Process*
NT1 Fluidized Bed Hydrogenation Process
NT1 Gas Recycle Hydrogenation Process
NT1 Gasynthan Process
NT1 Hydrane Process
NT1 Hygas Process
NT1 JGC Methane-Rich Gas Process
NT1 Kellogg Process
NT1 Peatgas Process
NT1 Shell Gasification Process
RT Atgas Process
RT Bi-Gas Process
RT Coal Gasification
RT Exxon Gasification Process
RT High BTU Gas
RT Koppers-Totzek Process
RT Lurgi Process
RT Patgas Process
RT Petroleum
RT Petroleum Products
RT SNG Plants
RT Synthane Process
RT Winkler Process
DEF Processes for production of substitute natural gas from hydrocarbon liquids or coal.

SNOW [01]
DA December 1, 1974
BT1 Atmospheric Precipitations
RT Antarctic Regions
RT Arctic Regions
RT Cryosphere
RT Disasters
RT Glaciers
RT Ice
RT Rain
RT Slush
RT Storms

SNPA-DEA PROCESS
DA January 27, 1975
BT1 Desulfurization
BT2 Chemical Reactions
DEF Process for sweetening raw gas streams containing a total of about 10% or more of acid gases (H_2S plus CO_2) at operating pressures of about 500 psig or higher.

SNR-1 Reactor
(From 1977 to July 1985, this was a valid descriptor and older material is so indexed.)
DA October 13, 1976
USE SNR Reactor

SNR-2 REACTOR [01]
(Kalkar, North Rhine Westfalia, Federal Republic of Germany)
DA October 13, 1976
BT1 LMFBR Type Reactors
BT2 FBR Type Reactors
BT3 Breeder Reactors
BT4 Reactors
BT3 Fast Reactors
BT4 Epithermal Reactors
BT5 Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Sodium Cooled Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors

SNR-300 Reactor
DA December 1, 1974
USE SNR Reactor

SNR REACTOR [01]
(Kalkar, North Rhine Westfalia, Federal Republic of Germany)
DA October 13, 1976
UF *Kalkar Power Reactor*
UF *Schneller Natriumgekuehlter Reaktor*
UF *SNR-1 Reactor*
UF *SNR-300 Reactor*
BT1 LMFBR Type Reactors
BT2 FBR Type Reactors
BT3 Breeder Reactors
BT4 Reactors
BT3 Fast Reactors
BT4 Epithermal Reactors
BT5 Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Sodium Cooled Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors

SO-2 GROUPS [01]
DA May 1, 1978
BT1 SO Groups
BT2 Lie Groups
BT3 Symmetry Groups

SO-3 GROUPS [01]
DA December 1, 1974
BT1 SO Groups
BT2 Lie Groups
BT3 Symmetry Groups

SO-4 GROUPS [01]
DA November 10, 1977
BT1 SO Groups
BT2 Lie Groups
BT3 Symmetry Groups

SO-6 GROUPS [01]
DA October 24, 1981
BT1 SO Groups
BT2 Lie Groups
BT3 Symmetry Groups

SO-8 GROUPS [01]
DA July 21, 1987
BT1 SO Groups
BT2 Lie Groups
BT3 Symmetry Groups

SO-10 GROUPS [01]
DA April 17, 1981
BT1 SO Groups
BT2 Lie Groups
BT3 Symmetry Groups
RT Grand Unified Theory

SO-12 GROUPS [01]
DA March 4, 1986
BT1 SO Groups
BT2 Lie Groups
BT3 Symmetry Groups

SO GROUPS [01]
DA December 1, 1974
BT1 Lie Groups
BT2 Symmetry Groups
NT1 SO-10 Groups
NT1 SO-12 Groups
NT1 SO-2 Groups
NT1 SO-3 Groups
NT1 SO-4 Groups
NT1 SO-6 Groups
NT1 SO-8 Groups

SOAPS [01]
DA December 1, 1974
BT1 Other Organic Compounds
BT2 Organic Compounds
RT Detergents
RT Emulsifiers
RT Organic Acids

SOC SOLAR CELLS [01]
DA July 18, 1981
UF *Silicon on Ceramic Solar Cells*
BT1 Silicon Solar Cells
BT2 Solar Cells
BT3 Photovoltaic Cells
BT4 Photoelectric Cells
BT5 Direct Energy Converters
BT3 Solar Equipment
BT4 Equipment

SOCIAL IMPACT [01]
DA January 31, 1977
RT Aesthetics
RT Health Services
RT SEEDIS
RT Socio-Economic Factors
RT Sociology
RT Technology Impacts

SOCIAL SERVICES
DA April 6, 1978
NT1 Health Services
RT Boom Towns
RT Local Government
RT State Government

Socio-Economic Aspects
DA February 9, 1983
USE Socio-Economic Factors

SOCIO-ECONOMIC FACTORS [01]
DA March 11, 1976
UF *Socio-Economic Aspects*
SF *Values*
BT1 Institutional Factors
RT Aesthetics
RT Communities
RT Cooperatives
RT Economic Impact
RT Economics
RT Health Services
RT High Income Groups
RT Life Styles
RT Low Income Groups
RT Political Aspects
RT Property Values
RT Social Impact
RT Sociology
RT Technology Impacts

SOCIOLOGY [01]
DA December 1, 1974
RT Aesthetics
RT Anthropology
RT Black Americans
RT Demography
RT Elderly People
RT Handicapped People
RT Hispanic Americans
RT Historical Aspects
RT Human Factors
RT Human Populations
RT Leisure Time Activities
RT Minority Groups
RT Occupations
RT Oriental Americans
RT Psychology
RT Public Anxiety
RT Public Relations
RT Regional Analysis
RT Social Impact
RT Socio-Economic Factors
RT Urban Populations

Soda Ash
DA March 8, 1977
USE Sodium Carbonates

SODDYITE [01]
DA December 1, 1974
BT1 Silicate Minerals
BT2 Minerals
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
RT Uranium Silicates

SODIUM [01]
DA December 1, 1974
BT1 Alkali Metals
BT2 Metals
BT3 Elements
RT MEDEC Process

SODIUM 19 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Sodium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes

SODIUM 20 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Sodium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes

SODIUM 21 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Sodium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes

SODIUM 21 TARGET [01]
DA February 24, 1987
BT1 Targets

SODIUM 22 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Nanosec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Sodium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

SODIUM 22 TARGET [01]
DA November 1, 1976
BT1 Targets

SODIUM 23 [01]
DA December 1, 1974
BT1 Light Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Sodium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes
BT1 Stable Isotopes
BT2 Isotopes
RT Sodium 23 Beams

SODIUM 23 BEAMS [01]
DA August 24, 1976
BT1 Ion Beams
BT2 Beams
RT Sodium 23

SODIUM 23 REACTIONS [01]
DA October 19, 1976
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

SODIUM 23 TARGET [01]
DA July 9, 1976
BT1 Targets

SODIUM 24 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Sodium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes

SODIUM 25 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BT1 Light Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Sodium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes

SODIUM 26 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Sodium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes

SODIUM 27 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Sodium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes

SODIUM 28 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Sodium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes

SODIUM 29 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Sodium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes

SODIUM 30 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Sodium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes

SODIUM 31 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Sodium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes

SODIUM 32 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Sodium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes

SODIUM 33 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Sodium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes

SODIUM 34 [01]
DA July 10, 1984
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Sodium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes

SODIUM 35 [01]
DA June 20, 1983
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Sodium Isotopes
BT2 Alkali Metal Isotopes
BT3 Isotopes

SODIUM ADDITIONS [01]
DA December 1, 1974
BT1 Sodium Alloys
BT2 Alloys

SODIUM ALLOYS [01]
DA December 1, 1974
BT1 Alloys
NT1 Sodium Additions
NT1 Sodium Base Alloys

SODIUM BASE ALLOYS [01]
DA December 1, 1974
BT1 Sodium Alloys
BT2 Alloys

SODIUM BORIDES [01]
DA December 1, 1974
BT1 Borides
BT2 Boron Compounds
BT1 Sodium Compounds
BT2 Alkali Metal Compounds

SODIUM BROMIDES [01]
DA December 1, 1974
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Sodium Compounds
BT2 Alkali Metal Compounds

SODIUM CARBIDES [01]
DA December 1, 1974
BT1 Carbides
BT2 Carbon Compounds
BT1 Sodium Compounds
BT2 Alkali Metal Compounds

SODIUM CARBONATES [01]
DA December 1, 1974
UF *Soda Ash*
UF+ *Chlor-Alkali Industry*
BT1 Carbonates
BT2 Carbon Compounds
BT2 Oxygen Compounds
BT1 Sodium Compounds
BT2 Alkali Metal Compounds
NT1 Dawsonite
NT1 Nahcolite
NT1 Shortite
NT1 Trona
RT Carbonate Minerals

SODIUM CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Sodium Compounds
BT2 Alkali Metal Compounds
RT Halite

Sodium Citrates
DA April 12, 1977
USE Citrates
AND Sodium Compounds

SODIUM COMPLEXES [01]
DA December 1, 1974
BT1 Alkali Metal Complexes
BT2 Complexes

SODIUM COMPOUNDS [01]
DA December 1, 1974
UF+ *Sodium Citrates*
UF+ *Sodium Lauryl Sulfates*
UF+ *Sodium Phosphides*
BT1 Alkali Metal Compounds
NT1 Borax
NT1 Hypaque

NT1 Rochelle Salt
NT1 Sodium Borides
NT1 Sodium Bromides
NT1 Sodium Carbides
NT1 Sodium Carbonates
NT2 Dawsonite
NT2 Nahcolite
NT2 Shortite
NT2 Trona
NT1 Sodium Chlorides
NT1 Sodium Fluorides
NT1 Sodium Hydrides
NT1 Sodium Hydroxides
NT1 Sodium Iodides
NT1 Sodium Nitrates
NT1 Sodium Nitrides
NT1 Sodium Oxides
NT2 Sodium Tungsten Bronze
NT1 Sodium Perchlorates
NT1 Sodium Phosphates
NT1 Sodium Selenides
NT1 Sodium Silicates
NT2 Lavenite
NT2 Lovozerite
NT1 Sodium Silicides
NT1 Sodium Sulfates
NT1 Sodium Sulfides
NT1 Sodium Tellurides
NT1 Sodium Tungstates
NT1 Sodium Uranates
NT1 Strelkinite
NT1 Tiron

Sodium Cooled Graphite Moderated Reactors
DA December 1, 1974
USE SGR Type Reactors

SODIUM COOLED REACTORS [01]
DA December 1, 1974
BT1 Liquid Metal Cooled Reactors
BT2 Reactors
NT1 Beloyarsk-3 Reactor
NT1 Beloyarsk-4 Reactor
NT1 BN-350 Reactor
NT1 BN-800 Reactor
NT1 BOR-60 Reactor
NT1 CDFR Reactor
NT1 Clinch River Breeder Reactor
NT1 EBR-1 Reactor
NT1 EBR-2 Reactor
NT1 Enrico Fermi-1 Reactor
NT1 FFTF Reactor
NT1 HNPF Reactor
NT1 KNK Reactor
NT1 KNK-2 Reactor
NT1 LAMPRE-1 Reactor
NT1 Monju Reactor
NT1 PFR Reactor
NT1 Phenix Reactor
NT1 Rapsodie Reactor
NT1 SBR-5 Reactor
NT1 SEFOR Reactor
NT1 SER Reactor
NT1 SGR Type Reactors
NT2 SRE Reactor
NT1 Snap 4 Reactor
NT1 SNAP 10 Reactor
NT2 S10FS-1 Reactor
NT2 S10FS-3 Reactor
NT2 S10FS-4 Reactor
NT1 SNAP-TSF Reactor
NT1 SNAPTRAN Reactors
NT1 SNR Reactor
NT1 SNR-2 Reactor
NT1 Super Phenix Reactor
NT1 ZRR Reactor
RT NaK Cooled Reactors

Sodium Cooled Zirconium Hydride Moderated Reactors
DA December 1, 1974
USE SZR Type Reactors

SODIUM FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Sodium Compounds
BT2 Alkali Metal Compounds

SODIUM HYDRIDES [01]
DA December 1, 1974
BT1 Hydrides
BT2 Hydrogen Compounds
BT1 Sodium Compounds
BT2 Alkali Metal Compounds

SODIUM HYDROXIDES [01]
DA December 1, 1974
UF+ *Chlor Alkali Industry*
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds
BT1 Sodium Compounds
BT2 Alkali Metal Compounds

Sodium Iodide Detectors
DA February 5, 1979
USE NaI Detectors

SODIUM IODIDES [01]
DA December 1, 1974
BT1 Inorganic Phosphors
BT2 Phosphors
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds
BT1 Sodium Compounds
BT2 Alkali Metal Compounds

Sodium Iodohippurate
DA August 12, 1980
USE Hippuran

SODIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

SODIUM ISOTOPES [01]
DA December 1, 1974
BT1 Alkali Metal Isotopes
BT2 Isotopes
NT1 Sodium 19
NT1 Sodium 20
NT1 Sodium 21
NT1 Sodium 22
NT1 Sodium 23
NT1 Sodium 24
NT1 Sodium 25
NT1 Sodium 26
NT1 Sodium 27
NT1 Sodium 28
NT1 Sodium 29
NT1 Sodium 30
NT1 Sodium 31
NT1 Sodium 32
NT1 Sodium 33
NT1 Sodium 34
NT1 Sodium 35

Sodium Lauryl Sulfates
DA December 8, 1980
USE Sodium Compounds
AND Sulfuric Acid Esters

Sodium Minerals
(Prior to May 1982, this was a valid descriptor. Use one of the more specific descriptors under MINERALS.)
DA June 12, 1975
USE Minerals

SODIUM NITRATES [01]
DA December 1, 1974
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds
BT1 Sodium Compounds
BT2 Alkali Metal Compounds

SODIUM NITRIDES [01]
DA December 22, 1977
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides
BT1 Sodium Compounds
BT2 Alkali Metal Compounds

SODIUM OXIDES [01]
DA December 1, 1974
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds
BT1 Sodium Compounds
BT2 Alkali Metal Compounds
NT1 Sodium Tungsten Bronze
RT Clarkeite
RT Oxide Minerals

SODIUM PERCHLORATES [01]
DA January 31, 1975
BT1 Perchlorates
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Oxygen Compounds
BT1 Sodium Compounds
BT2 Alkali Metal Compounds

SODIUM PHOSPHATES [01]
DA December 1, 1974
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds
BT1 Sodium Compounds
BT2 Alkali Metal Compounds

Sodium Phosphides
(Prior to January 1993, this was a valid descriptor.)
DA December 26, 1984
USE Phosphides
AND Sodium Compounds

Sodium Reactor Experiment
DA December 1, 1974
USE SRE Reactor

SODIUM SELENIDES [01]
DA October 25, 1985
BT1 Selenides
BT2 Chalcogenides
BT2 Selenium Compounds
BT1 Sodium Compounds
BT2 Alkali Metal Compounds

SODIUM SILICATES [01]
DA December 1, 1974
BT1 Silicates
BT2 Oxygen Compounds
BT2 Silicon Compounds
BT1 Sodium Compounds
BT2 Alkali Metal Compounds
NT1 Lavenite
NT1 Lovozerite
RT Catapleiite
RT Elpidite
RT Pollucite
RT Silicate Minerals

SODIUM SILICIDES [01]
DA July 7, 1976
BT1 Silicides
BT2 Silicon Compounds
BT1 Sodium Compounds
BT2 Alkali Metal Compounds

SODIUM SULFATES [01]
DA December 1, 1974
UF *Glauber's Salt*
BT1 Sodium Compounds
BT2 Alkali Metal Compounds
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds
RT Schroeckingerite
RT Sulfate Minerals

SODIUM SULFIDES [01]
DA December 1, 1974
BT1 Sodium Compounds
BT2 Alkali Metal Compounds
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds

SODIUM-SULFUR BATTERIES
DA January 27, 1975
BT1 Metal-Nonmetal Batteries
BT2 Electric Batteries
BT3 Electrochemical Cells

SODIUM TELLURIDES [01]
DA November 1, 1976
BT1 Sodium Compounds
BT2 Alkali Metal Compounds
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds

SODIUM TUNGSTATES [01]
DA January 22, 1975
BT1 Sodium Compounds
BT2 Alkali Metal Compounds
BT1 Tungstates

SODIUM TUNGSTEN BRONZE
DA August 9, 1979
UF *Bronze (Sodium Tungsten)*
BT1 Sodium Oxides
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT2 Sodium Compounds
BT3 Alkali Metal Compounds
BT1 Tungsten Oxides
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT2 Tungsten Compounds
BT3 Refractory Metal Compounds
BT3 Transition Element Compounds
RT Perovskites
DEF One of a series of metallic substances consisting of metallic and nonmetallic elements. Na_xWO_3 with $0.45<x<1$ exhibit perovskite-type structure.

SODIUM URANATES [01]
DA April 4, 1975
BT1 Sodium Compounds
BT2 Alkali Metal Compounds
BT1 Uranates
BT2 Uranium Compounds
BT3 Actinide Compounds

Sodium-Water Reactions
DA April 12, 1977
USE Molten Metal-Water Reactions

SOFC
(Solid oxide fuel cells.)
DA April 12, 1989
USE Solid Electrolyte Fuel Cells

Soft Coal
DA November 25, 1991
SEE Bituminous Coal
OR Brown Coal
OR Lignite

SOFT COMPONENT [01]
DA December 1, 1974
BT1 Cosmic Radiation
BT2 Ionizing Radiations
BT3 Radiations

SOFT-CORE POTENTIAL [01]
DA December 1, 1974
BT1 Nuclear Potential
BT2 Potentials

Soft-Pion Theorem
DA April 12, 1979
USE Low-Energy Theorem

Soft Pion Theorem
DA February 23, 1979
USE Low-Energy Theorem

Soft Soldering
DA December 1, 1974
USE Soldering

SOFT X RADIATION [01]
DA December 1, 1974
BT1 X Radiation
BT2 Electromagnetic Radiation
BT3 Radiations
BT2 Ionizing Radiations
BT3 Radiations

SOIL CHEMISTRY [01]
DA March 4, 1977
BT1 Chemistry
RT Agriculture
RT Biochemistry
RT Fertilizers
RT Liming
RT Soil Conservation
RT Soils

SOIL CONSERVATION [01]
DA April 5, 1978
BT1 Resource Conservation
RT Agriculture
RT Crops
RT Erosion
RT Erosion Control
RT Fertilizers
RT Irrigation
RT Land Reclamation
RT Revegetation
RT Sewage Sludge
RT Sludges
RT Soil Chemistry
RT Soil Mechanics
RT Soils
RT Waste Disposal
RT Waste Product Utilization
DEF Management of soils to optimize crop yields while improving soil texture and stability.

SOIL MECHANICS [01]
DA August 4, 1976
BT1 Mechanics
RT Overburden
RT Rock Falls
RT Rock Mechanics
RT Sea Bed
RT Soil Conservation
RT Soils
DEF Mechanical properties of unconsolidated accumulations of particles produced by the disintegration and chemical decomposition of rocks.

SOIL-STRUCTURE INTERACTIONS [01]
DA February 10, 1984
RT Buildings
RT Dynamic Loads
RT Earthquakes
RT Engineering Geology
RT Foundations
RT Ground Motion
RT Mechanical Structures
RT Seismic Effects
RT Seismic Isolation

Soiling
DA August 11, 1982
USE Surface Contamination

SOILS [01]
DA December 1, 1974
NT1 Loam
RT Acid Neutralizing Capacity
RT Aerobacter
RT Agriculture
RT Alluvial Deposits
RT Clays
RT Ecosystems
RT Embankments
RT Environmental Materials
RT Fallout Deposits
RT Fulvic Acids
RT Ground Water
RT Humic Acids
RT Humus
RT Irrigation
RT Liming
RT Nitrogen Fixation
RT Permafrost
RT Plants
RT Proteus
RT Radionuclide Migration
RT Roots
RT Sand
RT Soil Chemistry
RT Soil Conservation
RT Soil Mechanics
RT Terrestrial Ecosystems
RT Underground

Soja Bean Oil
DA December 1, 1974
USE Soybean Oil

SOL-GEL PROCESS [01]
DA December 1, 1974
RT Colloids
RT Fuel Cycle
RT Gelation
RT Reprocessing

SOLANUM [01]
DA February 23, 1979
BT1 Magnoliopsida
BT2 Magnoliophyta
BT3 Plants
NT1 Solanum Tuberosum

SOLANUM TUBEROSUM [01]
DA December 1, 1974
UF *Potato Plant*
BT1 Solanum
BT2 Magnoliopsida
BT3 Magnoliophyta
BT4 Plants
RT Potatoes

SOLAR ABSORBERS [01]
DA October 20, 1977
UF *Absorbers (Solar)*
BT1 Solar Equipment
BT2 Equipment
RT Antireflection Coatings
RT Black Chrome
RT Black Coatings
RT Black Liquids
RT Black Nickel
RT Coatings
RT Solar Collectors
RT Solar Receivers
RT Spectrally Selective Surfaces

SOLAR ACCESS [01]
(Prior to September 1980 this concept was indexed to SOLAR RIGHTS.)
DA September 22, 1980
RT Direct Solar Radiation
RT Solar Rights
DEF The availability of sunlight to solar collectors and other solar energy systems.

SOLAR ACTIVITY [01]
DA December 1, 1974
NT1 Faculae
NT1 Plages
NT1 Solar Flares
NT1 Solar Granulation
NT1 Solar Prominences
NT1 Solar Radio Bursts
NT1 Solar Wind
NT1 Solar X-Ray Bursts
NT1 Sunspots
RT Activity Levels
RT Solar Cycle
RT Sun

SOLAR AIR CONDITIONERS
DA January 24, 1975
BT1 Air Conditioners
BT1 Solar Cooling Systems
BT2 Solar Equipment
BT3 Equipment
NT1 Solar-Assisted Heat Pumps
RT Solar Air Conditioning
RT Vuilleumier Cycle

SOLAR AIR CONDITIONING
DA January 24, 1975
BT1 Air Conditioning
RT Radiative Cooling
RT Solar Air Conditioners
RT Solar Regenerators

SOLAR AIR HEATERS
DA January 24, 1975
BT1 Air Heaters
BT2 Heaters
BT1 Solar Collectors

BT2 Solar Equipment
BT3 Equipment
RT Flat Plate Collectors
RT Passive Solar Heating Systems
DEF Solar collectors that use air as heat transfer fluid.

SOLAR ALPHA PARTICLES [01]
DA August 19, 1975
BT1 Alpha Particles
BT2 Charged Particles
BT1 Solar Particles
BT2 Solar Radiation
BT3 Radiations
BT3 Stellar Radiation

SOLAR ARCHITECTURE [01]
DA December 10, 1979
BT1 Architecture
RT Architects
RT Buildings
RT Passive Solar Cooling Systems
RT Passive Solar Heating Systems
RT Solar Cooling Systems
RT Solar Energy
RT Solar Heating Systems
DEF Buildings whose design integrates the thermal, directional, and seasonal aspects of the sun.

SOLAR-ASSISTED HEAT PUMPS [01]
DA August 24, 1976
BT1 Heat Pumps
BT1 Solar Air Conditioners
BT2 Air Conditioners
BT2 Solar Cooling Systems
BT3 Solar Equipment
BT4 Equipment
BT1 Solar Heating Systems
BT2 Heating Systems
BT3 Energy Systems
BT2 Solar Equipment
BT3 Equipment
RT Ground Source Heat Pumps

SOLAR-ASSISTED POWER SYSTEMS [01]
DA April 12, 1977
BT1 Power Systems
BT2 Energy Systems
RT Heat Engines
RT Thermal Energy Storage Equipment

SOLAR ATMOSPHERE [01]
DA December 1, 1974
BT1 Atmospheres
NT1 Chromosphere
NT1 Heliosphere
NT1 Photosphere
NT1 Solar Corona
RT Stellar Atmospheres
RT Sun

Solar Batteries
DA January 29, 1975
USE Solar Cell Arrays

SOLAR BATTERY CHARGERS [01]
DA January 23, 1976
BT1 Battery Chargers
BT2 Electrical Equipment
BT3 Equipment
BT1 Solar Equipment
BT2 Equipment

SOLAR CELL ARRAYS [01]
DA January 24, 1975
UF *Solar Batteries*
BT1 Solar Equipment
BT2 Equipment
NT1 Solar Tracking Systems
RT Photovoltaic Cells
RT Photovoltaic Power Plants
RT Photovoltaic Power Supplies
RT Solar Cells

Solar Cell Receivers
DA September 26, 1979
USE Solar Receivers

SOLAR CELLS [01]
DA December 1, 1974
BT1 Photovoltaic Cells
BT2 Photoelectric Cells
BT3 Direct Energy Converters
BT1 Solar Equipment
BT2 Equipment
NT1 Aluminium Arsenide Solar Cells
NT1 Back Contact Solar Cells
NT1 Cadmium Arsenide Solar Cells
NT1 Cadmium Selenide Solar Cells
NT1 Cadmium Sulfide Solar Cells
NT1 Cadmium Telluride Solar Cells
NT1 Cascade Solar Cells
NT1 Concentrator Solar Cells
NT1 Copper Oxide Solar Cells
NT1 Copper Selenide Solar Cells
NT1 Copper Sulfide Solar Cells
NT1 Gallium Arsenide Solar Cells
NT1 Gallium Phosphide Solar Cells
NT1 Indium Phosphide Solar Cells
NT1 Indium Selenide Solar Cells
NT1 MI Solar Cells
NT1 MIS Solar Cells
NT1 MOS Solar Cells
NT1 MS Solar Cells
NT1 Organic Solar Cells
NT1 PIS Solar Cells
NT1 PS Solar Cells
NT1 Schottky Barrier Solar Cells
NT1 Selenium Solar Cells
NT1 Silicon Arsenide Solar Cells
NT1 Silicon Solar Cells
NT2 SOC Solar Cells
NT1 Zinc Phosphide Solar Cells
NT1 Zinc Sulfide Solar Cells
RT Combined Collectors
RT Depletion Layer
RT Graded Band Gaps
RT Photovoltaic Power Supplies
RT Solar Cell Arrays
RT Solar Collectors

Solar Central Receivers
DA February 4, 1993
USE Central Receivers

SOLAR CHIMNEYS
DA November 8, 1984
BT1 Chimneys
RT Solar Thermal Power Plants
RT Tornado Turbines
RT Wind Turbines

SOLAR COLLECTORS [01]
DA January 28, 1975
BT1 Solar Equipment
BT2 Equipment
NT1 Combined Collectors
NT1 Concentrating Collectors
NT2 Fixed Mirror Collectors
NT2 Parabolic Collectors
NT3 Parabolic Dish Collectors
NT3 Parabolic Trough Collectors
NT2 Slat Type Collectors
NT2 Tower Focus Collectors
NT2 V Trough Collectors
NT1 Evacuated Collectors
NT2 Evacuated Tube Collectors
NT1 Flat Plate Collectors
NT2 Trickle-Type Collectors
NT1 Inflatable Collectors
NT1 Solar Air Heaters
NT1 Solar Ponds
NT2 Roof Ponds
NT1 Solar Tracking Systems
NT1 Unglazed Solar Collectors
RT Black Liquids
RT Central Receivers
RT Drain-Down Systems
RT F-Chart
RT Freeze-Cycle System
RT Honeycomb Structures
RT Solar Absorbers
RT Solar Cells
RT Solar Energy
RT Solar Furnaces
RT Solar Receivers
RT Thermic Diode Solar Panels

SOLAR CONCENTRATORS [01]
DA October 28, 1975
BT1 Solar Equipment
BT2 Equipment
NT1 Cassegrainian Concentrators
NT1 Compound Parabolic Concentrators
NT1 Luminescent Concentrators
NT1 Solar Reflectors
NT2 Fresnel Reflectors
NT2 Orbital Solar Reflectors
NT2 Parabolic Reflectors
NT3 Parabolic Dish Reflectors
NT3 Parabolic Trough Reflectors
RT Concentrating Collectors
RT Concentration Ratio
RT Concentrator Solar Cells
RT Fresnel Lens
RT Mirrors
RT Solar Receivers

SOLAR CONSTANT [01]
DA January 28, 1975
RT Solar Radiation

SOLAR CONTROL FILMS
DA February 11, 1980
BT1 Films
RT Coatings
RT Heat Mirrors
RT Reflective Coatings
RT Windows

SOLAR COOKERS
DA January 24, 1975
BT1 Solar Equipment
BT2 Equipment
RT Solar Cooking

SOLAR COOKING
DA January 24, 1975
RT Solar Cookers
RT Solar Heating

SOLAR COOLING SYSTEMS
DA July 23, 1977
BT1 Solar Equipment
BT2 Equipment
NT1 Passive Solar Cooling Systems
NT2 Bead Walls
NT2 Drum Walls
NT2 Roof Ponds
NT1 Solar Air Conditioners
NT2 Solar-Assisted Heat Pumps
NT1 Solar Refrigerators
RT Cold Storage
RT Dehumidification
RT Solar Architecture

SOLAR CORONA [01]
DA December 1, 1974
UF *Corona (Solar)*
BT1 Solar Atmosphere
BT2 Atmospheres
BT1 Stellar Coronae
BT2 Stellar Atmospheres
BT3 Atmospheres
RT Solar Prominences
RT Solar Wind
RT Sun

SOLAR CYCLE [01]
DA December 1, 1974
RT International Solar Maximum Year
RT Solar Activity
RT Sun
RT Sunspots

SOLAR DISTILLATION
DA January 24, 1975
RT Solar Process Heat
RT Solar Stills

SOLAR DISTRICT HEATING
DA September 26, 1979
BT1 District Heating
BT2 Heating
BT1 Solar Heating
BT2 Heating
RT Central Heating Plants
RT Solar Heating Systems

RT Solar Space Heating
DEF District heating using a solar source for all or part of the heat supply.

Solar Domestic Water Heating
DA December 22, 1977
USE Solar Water Heating

SOLAR DRYERS
(For wood drying, use SOLAR KILNS.)
DA January 24, 1975
BT1 Dryers
BT1 Solar Equipment
BT2 Equipment
RT Solar Furnaces
RT Solar Process Heat
DEF Dryers using a solar heat source, primarily used for crop drying.

SOLAR DRYING
DA November 11, 1975
BT1 Drying
RT Solar Heating
RT Solar Process Heat

SOLAR ELECTRIC PROPULSION
DA January 24, 1975
BT1 Propulsion

Solar Electron Events
DA December 1, 1974
USE Solar Electrons

SOLAR ELECTRONS [01]
(Prior to July, 1975 information was indexed to ELECTRONS.)
DA August 19, 1975
UF *Solar Electron Events*
BT1 Electrons
BT2 Leptons
BT3 Elementary Particles
BT3 Fermions
BT1 Solar Particles
BT2 Solar Radiation
BT3 Radiations
BT3 Stellar Radiation

SOLAR ENERGY [01]
DA December 1, 1974
BT1 Energy
BT1 Renewable Energy Sources
BT2 Energy Sources
RT Solar Architecture
RT Solar Collectors
RT Solar Energy Research Institute
RT Solar Heating
RT Solar Industry
RT Solar Radiation
RT Solar Rights
RT Sun

SOLAR ENERGY CONVERSION [01]
DA January 24, 1975
BT1 Energy Conversion
BT2 Conversion
NT1 Ocean Thermal Energy Conversion
NT1 Solar Thermal Conversion
RT Photoelectrolysis
RT Photoelectrolytic Cells

Solar Energy Information Data Bank
DA July 18, 1981
USE SEIDB

SOLAR ENERGY RESEARCH INSTITUTE [01]
DA February 14, 1978
UF *SERI*
BT1 US DOE
BT2 US Organizations
BT3 National Organizations
RT Solar Energy

SOLAR EQUIPMENT [01]
DA March 4, 1980
BT1 Equipment
NT1 Heliostats
NT2 Solar Tracking Systems
NT1 Photoelectrochemical Cells
NT2 Photoelectrolytic Cells
NT2 Photogalvanic Cells
NT1 Photovoltaic Power Supplies
NT1 Pyranometers
NT1 Pyrheliometers
NT1 Solar Absorbers
NT1 Solar Battery Chargers
NT1 Solar Cell Arrays
NT2 Solar Tracking Systems
* NT1 Solar Cells
NT1 Solar Collectors
NT2 Combined Collectors
NT2 Concentrating Collectors
NT3 Fixed Mirror Collectors
NT3 Parabolic Collectors
NT4 Parabolic Dish Collectors
NT4 Parabolic Trough Collectors
NT3 Slat Type Collectors
NT3 Tower Focus Collectors
NT3 V Trough Collectors
NT2 Evacuated Collectors
NT3 Evacuated Tube Collectors
NT2 Flat Plate Collectors
NT3 Trickle-Type Collectors
NT2 Inflatable Collectors
NT2 Solar Air Heaters
NT2 Solar Ponds
NT3 Roof Ponds
NT2 Solar Tracking Systems
NT2 Unglazed Solar Collectors
NT1 Solar Concentrators
NT2 Cassegrainian Concentrators
NT2 Compound Parabolic Concentrators
NT2 Luminescent Concentrators
NT2 Solar Reflectors
NT3 Fresnel Reflectors
NT3 Orbital Solar Reflectors
NT3 Parabolic Reflectors
NT4 Parabolic Dish Reflectors
NT4 Parabolic Trough Reflectors
NT1 Solar Cookers
NT1 Solar Cooling Systems
NT2 Passive Solar Cooling Systems
NT3 Bead Walls
NT3 Drum Walls
NT3 Roof Ponds
NT2 Solar Air Conditioners
NT3 Solar-Assisted Heat Pumps
NT2 Solar Refrigerators
NT1 Solar Dryers
NT1 Solar Furnaces
NT1 Solar Heating Systems
NT2 Passive Solar Heating Systems
NT3 Bead Walls
NT3 Direct Gain Systems
NT3 Drum Walls
NT3 Roof Ponds
NT3 Thermic Diode Solar Panels
NT3 Trombe Walls
NT3 Water Walls
NT2 Solar-Assisted Heat Pumps
NT1 Solar Kilns
NT1 Solar Regenerators
NT1 Solar Simulators
NT1 Solar Stills
NT1 Solar Water Heaters
NT2 Passive Solar Water Heaters
NT3 Thermic Diode Solar Panels
NT1 Solar Water Pumps
NT1 Spectrally Selective Surfaces
RT Thermal Energy Storage Equipment

SOLAR FLARES [01]
DA December 1, 1974
BT1 Solar Activity
RT Forbush Decrease
RT Magnetic Reconnection
RT Solar Particles
RT Solar Radiation
RT Solar Radio Bursts
RT Solar Wind
RT Solar X-Ray Bursts
RT Space Flight
RT Stellar Flares
RT Sun
RT Supersonic Transport

SOLAR FLUX [01]
DA January 28, 1975
NT1 Diffuse Solar Radiation
NT1 Direct Solar Radiation
RT Insolation
RT Pyrheliometers
RT Shading
RT Solar Simulators

SOLAR FRACTION
DA May 18, 1981
RT Energy Conservation
RT Heat Gain
RT Heating Load
DEF Ratio of solar contribution to net thermal load.

SOLAR FURNACES [01]
DA December 1, 1974
BT1 Furnaces
BT1 Solar Equipment
BT2 Equipment
RT CNRS Solar Facility
RT Solar Collectors
RT Solar Dryers
RT Solar Process Heat
RT White Sands Solar Facility

SOLAR GRANULATION [01]
DA December 1, 1974
UF *Granulation (Solar)*
UF *Supergranulation*
BT1 Solar Activity
RT Photosphere
RT Sun

SOLAR HEAT ENGINES [01]
DA January 24, 1975
BT1 Heat Engines
BT2 Engines
RT Brayton Cycle Power Systems
RT Nitinol Heat Engines
RT Regeneration
RT Regenerators
RT Solar Thermal Conversion
RT Stirling Engines

SOLAR HEATING [01]
DA January 24, 1975
BT1 Heating
NT1 Solar District Heating
NT1 Solar Space Heating
NT1 Solar Water Heating
RT Cooling Load
RT Heating Load
RT Process Heat
RT Solar Cooking
RT Solar Drying
RT Solar Energy

SOLAR HEATING SYSTEMS [01]
DA November 11, 1975
BT1 Heating Systems
BT2 Energy Systems
BT1 Solar Equipment
BT2 Equipment
NT1 Passive Solar Heating Systems
NT2 Bead Walls
NT2 Direct Gain Systems
NT2 Drum Walls
NT2 Roof Ponds
NT2 Thermic Diode Solar Panels
NT2 Trombe Walls
NT2 Water Walls
NT1 Solar-Assisted Heat Pumps
RT F-Chart
RT Freeze-Cycle System
RT Solar Architecture
RT Solar District Heating
RT Solar Process Heat
RT Solar Space Heating

SOLAR INDUSTRY [01]
DA December 22, 1977
BT1 Industry
RT Solar Energy

SOLAR KILNS
DA January 24, 1975
BT1 Kilns
BT1 Solar Equipment
BT2 Equipment
RT Drying
RT Solar Process Heat

Solar Models
DA December 16, 1975
USE Star Models

SOLAR NEBULA [01]
DA December 1, 1974
BT1 Nebulae
RT Cosmological Models
RT Protoplanets
RT Solar System Evolution

SOLAR NEUTRINOS [01]
(Prior to July, 1975 information was indexed to NEUTRINOS.)
DA July 29, 1975
BT1 Neutrinos
BT2 Leptons
BT3 Elementary Particles
BT3 Fermions
BT2 Massless Particles
BT3 Elementary Particles
BT1 Solar Particles
BT2 Solar Radiation
BT3 Radiations
BT3 Stellar Radiation

SOLAR NEUTRONS [01]
DA April 19, 1976
BT1 Neutrons
BT2 Nucleons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT1 Solar Particles
BT2 Solar Radiation
BT3 Radiations
BT3 Stellar Radiation

Solar Occultation
DA December 1, 1974
USE Eclipse

Solar One Power Plant
DA April 7, 1983
USE Barstow Solar Pilot Plant

SOLAR PARTICLES [01]
DA May 15, 1975
UF *Energetic Solar Particles*
BT1 Solar Radiation
BT2 Radiations
BT2 Stellar Radiation
NT1 Solar Alpha Particles
NT1 Solar Electrons
NT1 Solar Neutrinos
NT1 Solar Neutrons
NT1 Solar Protons
RT Polar-Cap Absorption
RT Solar Flares

SOLAR PONDS [01]
DA September 11, 1975
BT1 Ponds
BT2 Surface Waters
BT1 Solar Collectors
BT2 Solar Equipment
BT3 Equipment
NT1 Roof Ponds
RT Inflatable Collectors
RT Solar Water Heaters

SOLAR POWER PLANTS [01]
DA January 24, 1975
BT1 Power Plants
NT1 Ocean Thermal Power Plants
NT1 Orbital Solar Power Plants
NT1 Photovoltaic Power Plants
NT1 Salinity Gradient Power Plants
NT1 Solar Thermal Power Plants
NT2 Distributed Collector Power Plants
NT2 Tower Focus Power Plants
NT3 Barstow Solar Pilot Plant
NT3 Eurelios Solar Power Plant
RT Orbital Solar Reflectors

SOLAR PROCESS HEAT
DA March 3, 1978
BT1 Process Heat
BT2 Heat
BT3 Energy
RT Solar Distillation
RT Solar Dryers
RT Solar Drying
RT Solar Furnaces
RT Solar Heating Systems
RT Solar Kilns
RT Solar Stills
RT Solar Water Heaters

SOLAR PROMINENCES [01]
DA December 1, 1974
UF *Prominences (Solar)*
UF *Spicules*
BT1 Solar Activity
RT Solar Corona
RT Sun

Solar Proton Events
DA December 1, 1974
USE Solar Protons

SOLAR PROTONS [01]
(Prior to July, 1975 information was indexed to PROTONS.)
DA July 29, 1975
UF *Solar Proton Events*
BT1 Protons
BT2 Nucleons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT1 Solar Particles
BT2 Solar Radiation
BT3 Radiations
BT3 Stellar Radiation

SOLAR RADIATION [01]
DA December 1, 1974
BT1 Radiations
BT1 Stellar Radiation
NT1 Diffuse Solar Radiation
NT1 Direct Solar Radiation
NT1 Solar Particles
NT2 Solar Alpha Particles
NT2 Solar Electrons
NT2 Solar Neutrinos
NT2 Solar Neutrons
NT2 Solar Protons
NT1 Solar Radiowave Radiation
RT Cosmic Radiation
RT Daylighting
RT Insolation
RT Pyranometers
RT Solar Constant
RT Solar Energy
RT Solar Flares
RT Solar Radio Bursts
RT Solar Wind
RT Solar X-Ray Bursts
RT Sun
RT Sun Charts
RT Zodiacal Light

SOLAR RADIO BURSTS [01]
DA December 1, 1974
BT1 Radiowave Radiation
BT2 Electromagnetic Radiation
BT3 Radiations
BT1 Solar Activity
RT Magnetic Reconnection
RT Radioastronomy
RT Solar Flares
RT Solar Radiation
RT Solar Radiowave Radiation
RT Sun

SOLAR RADIOWAVE RADIATION
DA August 19, 1975
BT1 Radiowave Radiation
BT2 Electromagnetic Radiation
BT3 Radiations
BT1 Solar Radiation
BT2 Radiations
BT2 Stellar Radiation
RT Solar Radio Bursts

SOLAR RECEIVERS [01]
DA September 26, 1979
UF *Receivers (Solar)*
UF *Solar Cell Receivers*
UF *Solar Thermal Receivers*
NT1 Cavity Receivers
NT1 Central Receivers
NT1 External Receivers
RT Concentrating Collectors
RT Concentrator Solar Cells
RT Solar Absorbers
RT Solar Collectors
RT Solar Concentrators
RT Solar Thermal Conversion
DEF System designed to receive concentrated sunlight which is absorbed and converted to some other energy form. It incorporates absorber or concentrator cell assembly.

SOLAR REFLECTORS [01]
DA January 28, 1975
BT1 Solar Concentrators
BT2 Solar Equipment
BT3 Equipment
NT1 Fresnel Reflectors
NT1 Orbital Solar Reflectors
NT1 Parabolic Reflectors
NT2 Parabolic Dish Reflectors
NT2 Parabolic Trough Reflectors
RT Mirrors
RT Optical Systems

SOLAR REFRIGERATION
DA January 24, 1975
BT1 Refrigeration
BT2 Cooling
RT Solar Refrigerators

SOLAR REFRIGERATORS
DA January 24, 1975
BT1 Refrigerators
BT1 Solar Cooling Systems
BT2 Solar Equipment
BT3 Equipment
RT Solar Refrigeration

SOLAR REGENERATORS
(System or device for regenerating absorbent solutions by solar heating, used in absorption solar air conditioning.)
DA July 18, 1979
BT1 Regenerators
BT1 Solar Equipment
BT2 Equipment
RT Solar Air Conditioning

SOLAR REPOWERING
(Prior to October 1980 this concept was indexed to RETROFITTING.)
DA October 7, 1980
SF *Repowering*
RT Fossil-Fuel Power Plants
RT Retrofitting
RT Solar Thermal Power Plants
DEF The adaptation of a solar thermal steam supply system into an existing thermal power plant.

SOLAR RIGHTS [01]
DA April 5, 1978
RT Laws
RT Legal Aspects
RT Ownership
RT Solar Access
RT Solar Energy
DEF The legal right to solar access.

Solar Sea Power Plants
DA April 12, 1977
USE Ocean Thermal Power Plants

SOLAR SIMULATORS
DA December 16, 1975
BT1 Simulators
BT2 Analog Systems
BT2 Functional Models
BT1 Solar Equipment
BT2 Equipment
RT Insolation
RT Solar Flux
DEF Equipment to simulate the solar flux for test purposes.

SOLAR SPACE HEATING [01]
DA January 24, 1975
BT1 Solar Heating
BT2 Heating
BT1 Space Heating
BT2 Heating
RT Solar District Heating
RT Solar Heating Systems

SOLAR STILLS
DA January 24, 1975
BT1 Evaporators
BT1 Solar Equipment
BT2 Equipment
RT Solar Distillation
RT Solar Process Heat
DEF A distillation apparatus that uses solar radiation heating to evaporate the water. Can be used for water purification or desalting.

SOLAR SYSTEM [01]
DA December 1, 1974
RT Asteroids
RT Comets
RT Halley Comet
RT Interplanetary Space
RT Meteoroids
RT Planets
RT Solar System Evolution
RT Sun

SOLAR SYSTEM EVOLUTION [01]
DA December 1, 1974
NT1 Planetary Evolution
RT Planet-System Accretion
RT Protoplanets
RT Solar Nebula
RT Solar System
RT Star Evolution

SOLAR THERMAL CONVERSION [01]
(Use for overviews of solar thermal program.)
DA September 8, 1981
BT1 Solar Energy Conversion
BT2 Energy Conversion
BT3 Conversion
RT Solar Heat Engines
RT Solar Receivers
RT Solar Thermal Power Plants

SOLAR THERMAL POWER PLANTS [01]
DA January 24, 1975
BT1 Solar Power Plants
BT2 Power Plants
BT1 Thermal Power Plants
BT2 Power Plants
NT1 Distributed Collector Power Plants
NT1 Tower Focus Power Plants
NT2 Barstow Solar Pilot Plant
NT2 Eurelios Solar Power Plant
RT Solar Chimneys
RT Solar Repowering
RT Solar Thermal Conversion

Solar Thermal Receivers
DA September 26, 1979
USE Solar Receivers

Solar Thermal Test Facility
DA July 18, 1981
USE Central Receiver Test Facility

SOLAR TRACKING
DA January 24, 1975
NT1 Solar Tracking Systems
RT Control Equipment
RT Heliostats
RT Tilt Mechanisms

SOLAR TRACKING SYSTEMS
DA February 9, 1983
BT1 Heliostats
BT2 Solar Equipment
BT3 Equipment
BT1 Solar Cell Arrays
BT2 Solar Equipment
BT3 Equipment
BT1 Solar Collectors
BT2 Solar Equipment
BT3 Equipment
BT1 Solar Tracking

SOLAR WATER HEATERS [01]
DA January 24, 1975
BT1 Solar Equipment
BT2 Equipment
BT1 Water Heaters
BT2 Appliances
BT3 Equipment
BT2 Heaters
NT1 Passive Solar Water Heaters
NT2 Thermic Diode Solar Panels
RT Drain-Down Systems
RT F-Chart
RT Freeze-Cycle System
RT Solar Ponds
RT Solar Process Heat
RT Solar Water Heating

SOLAR WATER HEATING
(Use for solar domestic water heating; not for process hot water.)
DA December 22, 1977
UF *Solar Domestic Water Heating*
BT1 Solar Heating
BT2 Heating
BT1 Water Heating
BT2 Heating
RT Solar Water Heaters

SOLAR WATER PUMPS [01]
DA January 24, 1975
BT1 Solar Equipment
BT2 Equipment
BT1 Water Pumps
BT2 Pumps

SOLAR WIND [01]
DA December 1, 1974
BT1 Solar Activity
RT Chapman-Ferraro Problem
RT Expansion
RT Forbush Decrease
RT Geocorona
RT Loss Cone
RT Magnetosheath
RT Plasma
RT Radiation Pressure
RT Solar Corona
RT Solar Flares
RT Solar Radiation
RT Stellar Winds
RT Sun

SOLAR X-RAY BURSTS [01]
DA December 1, 1974
BT1 Solar Activity
RT Magnetic Reconnection
RT Solar Flares
RT Solar Radiation
RT Sun
RT X Radiation

SOLAS CONVENTION [01]
(London Convention on Safety of Life at Sea)
DA December 1, 1974
UF *London Safety of Life at Sea Convention*
BT1 International Agreements
BT2 Agreements
RT Civil Liability
RT Nuclear Ships
RT Recommendations
RT Regulations

Solder Fluxes
(Prior to October 1981, this was a valid descriptor.)
DA August 19, 1975
USE Metallurgical Flux

SOLDERED JOINTS [01]
DA December 1, 1974
BT1 Joints
RT Soldering

SOLDERING [01]
DA December 1, 1974
UF *Soft Soldering*
BT1 Welding
BT2 Joining
BT3 Fabrication
RT Brazing
RT Soldered Joints

Soldering Fluxes
DA September 22, 1981
USE Metallurgical Flux

SOLENOIDS [01]
DA December 1, 1974
UF *Inductors*
BT1 Electric Coils
BT2 Electrical Equipment
BT3 Equipment
RT Actuators
RT Magnet Coils

SOLFATARAS
DA April 7, 1975
BT1 Fumaroles
DEF Fumaroles, the gases of which are characteristically sulfurous.

SOLFRAC PROCESS
DA January 28, 1977
BT1 Explosive Fracturing
BT2 Fracturing
RT Fluid Injection
RT Oil Sands
RT Oil Shales
RT Petroleum
DEF Combination of chemical explosive fracturing and solvent injection for heavy-oil recovery.

SOLID CLUSTERS [01]
DA December 1, 1974
UF *Clusters (Solid)*
RT Solids

SOLID ELECTROLYTE FUEL CELLS [01]
(Prior to April 1989 this subject was indexed to HIGH-TEMPERATURE FUELS or FUEL CELLS.)
DA April 12, 1989
UF *SOFC*
BT1 Fuel Cells
BT2 Direct Energy Converters
BT2 Electrochemical Cells

SOLID ELECTROLYTES [01]
DA May 9, 1979
BT1 Electrolytes
RT Electric Batteries
RT Fuel Cells

SOLID FUELS [01]
DA December 1, 1974
BT1 Fuels
NT1 Alloy Nuclear Fuels
NT1 Briquets
NT1 Dispersion Nuclear Fuels
NT1 Mixed Nitride Fuels
NT1 Mixed Oxide Fuels
RT Bark
RT Biomass
RT Charcoal
RT Coal
RT Coke
RT Peat
RT Pulverized Fuels
RT Wood

SOLID HOMOGENEOUS REACTORS [01]
DA December 1, 1974
BT1 Homogeneous Reactors
BT2 Reactors
NT1 ACPR Reactor
NT1 Aerojet-General Nucleonics Reactors
NT1 ANEX Reactor
NT1 EBOR Reactor
NT1 NSRR Reactor
NT1 Pebble Bed Reactors
NT2 AVR Reactor
NT2 THTR-300 Reactor
NT2 VG-400 Reactor

NT2 VGR-50 Reactor
NT1 Romashka Reactor
NT1 SHCA Reactor
NT1 SUR-100 Series Reactor
NT1 TREAT Reactor
* NT1 TRIGA Type Reactors

SOLID LUBRICANTS [01]
DA December 1, 1974
BT1 Lubricants
RT Graphite

Solid Moderated Reactor
DA January 28, 1975
USE SMR Reactor

SOLID SCINTILLATION DETECTORS [01]
DA December 1, 1974
BT1 Scintillation Counters
BT2 Radiation Detectors
BT3 Measuring Instruments
NT1 BGO Detectors
NT1 NaI Detectors
NT1 Plastic Scintillation Detectors
RT Glass Scintillators
RT Inorganic Phosphors
RT Organic Crystal Phosphors

SOLID SOLUTIONS [01]
DA December 1, 1974
BT1 Solutions
BT2 Mixtures
BT3 Dispersions
RT Alloys
RT Austenite
RT Ferrite
RT Phase Diagrams
RT Solids
RT Superlattices

SOLID STATE LASERS [01]
DA January 22, 1975
BT1 Lasers
NT1 Neodymium Lasers
NT1 Ruby Lasers
NT1 Semiconductor Lasers

SOLID STATE PHYSICS [01]
DA February 19, 1976
BT1 Physics
RT Crystal Structure

SOLID-STATE PLASMA [01]
DA December 1, 1974
BT1 Plasma
NT1 Electron-Hole Droplets
RT Electron Gas
RT Plasmons

SOLID WASTES [01]
DA December 1, 1974
UF *Refuse*
BT1 Wastes
NT1 Mineral Wastes
NT2 Culm
NT1 Scrap
NT2 Scrap Metals
NT1 Tailings
NT2 Mill Tailings
NT2 Oil Sand Tailings
NT1 Wood Wastes
RT Ashes
RT Bailie Process
RT Biological Wastes
RT Black Clawson System
RT Calcined Wastes
RT Caloricon Process
RT Chemical Effluents
RT Combustion Products
RT CPU-400 Combustion Plant
RT Dredge Spoil
RT Ground Disposal
RT Industrial Wastes
RT Landgard Pyrolysis System
RT Organic Wastes
RT Purox Pyrolysis Process
RT Refuse Derived Fuels
RT Spent Shales
RT Spoil Banks
RT Waste Disposal
RT Waste Disposal Acts
RT Waste Pellets

SOLIDIFICATION [01]
DA December 1, 1974
UF *Fixation (Waste Treatment)*
SF *Immobilization*
BT1 Phase Transformations
RT Ceramic Melters
RT Crystallization
RT Freezing
RT Frost
RT Harvest Process
RT Melting
RT Segregation
RT Solids
RT Vitrification
RT Waste Processing

SOLIDS [01]
DA December 1, 1974
RT Crystals
RT Dispersions
RT Glass
RT Microstructure
RT Phase Diagrams
RT Portevin-Le Chatelier Effect
RT Solid Clusters
RT Solid Solutions
RT Solidification
RT Structure Factors

SOLIDS FLOW
DA April 9, 1985
BT1 Fluid Flow
RT Hydraulics
RT Materials Handling

SOLINOX PROCESS
DA December 13, 1985
BT1 Desulfurization
BT2 Chemical Reactions
RT Denitrification

SOLITONS [01]
DA December 1, 1974
UF+ *Skyrmions*
BT1 Quasi Particles
RT Baecklund Transformation
RT Extended Particle Model
RT Field Equations
RT Instantons
RT Phonons
RT Shock Waves
DEF Stable, shape preserving and localized solutions of nonlinear classical field equations of recent interest as possible models of extended elementary particles.

SOLS [01]
DA December 1, 1974
BT1 Colloids
BT2 Dispersions
NT1 Aerosols
NT2 Radioactive Aerosols
NT2 Smokes
NT3 Tobacco Smokes
RT Solutions

SOLUBILITY [01]
DA December 1, 1974
UF *Miscibility*
RT Crystallization
RT Dissolution
RT Leaching
RT Mixing
RT Precipitation
RT Saturation
RT Solutes
RT Solutions
RT Solvent Properties
RT Solvents
RT Supersaturation

SOLUBLE POISONS [01]
DA December 1, 1974
BT1 Nuclear Poisons
BT2 Reactor Materials
BT3 Materials
RT Fluid Poison Control
RT Scram

SOLUTES [01]
DA March 10, 1982
UF *Dissolved Materials*
NT1 Dissolved Gases
RT Additives
RT Dissolution
RT Solubility
RT Solutions
RT Solvents

SOLUTION HEAT [01]
DA December 1, 1974
UF *Heat of Solution*
BT1 Enthalpy
BT2 Thermodynamic Properties
BT3 Physical Properties
RT Mixing Heat

SOLUTION MINING [01]
DA February 19, 1976
BT1 Mining
RT Leaching
RT Uranium Ores

SOLUTIONS [01]
(For mathematical solutions see ANALYTICAL SOLUTION or NUMERICAL SOLUTION.)
DA December 1, 1974
BT1 Mixtures
BT2 Dispersions
NT1 Aqueous Solutions
NT1 Fuel Solutions
NT1 Hypertonic Solutions
NT1 Isotonic Solutions
NT1 Leachates
NT1 Process Solutions
NT1 Solid Solutions
RT Brines
RT Buffers
RT Dilution
RT Dissolution
RT Homogeneous Mixtures
RT Organic Solvents
RT Saturation
RT Sols
RT Solubility
RT Solutes
RT Solvents
RT Supersaturation

Solvatation
DA December 1, 1974
USE Solvation

SOLVATED ELECTRONS [01]
DA December 1, 1974
UF+ *Hydrated Electrons*
BT1 Electrons
BT2 Leptons
BT3 Elementary Particles
BT3 Fermions
RT Solvation

SOLVATION [01]
DA December 1, 1974
UF *Solvatation*
NT1 Hydration
RT Nonaqueous Solvents
RT Solvated Electrons
DEF The chemical union of a dissolved substance and its dissolving liquid.

SOLVENT EXTRACTION [01]
DA December 1, 1974
UF *Extraction (Solvent)*
BT1 Extraction
BT2 Separation Processes
NT1 CMPO
NT1 PHENOSOLVAN Process
NT1 Supercritical Gas Extraction
RT AMEX Process
RT Aralex Process
RT Arco Process
RT Butex Process
RT COSORB Process
RT Counter Current
RT Crown Ethers
RT CSREX Process
RT Dapex Process
RT Darex Process
RT Dissolution
RT Distribution Functions
RT Entrainment

RT EUREX Process
RT Excer Process
RT Extraction Apparatuses
RT Fluorox Process
RT Flurex Process
RT Hermex Process
RT Hydrometallurgy
RT Leachates
RT Leaching
RT Monex Process
RT Neptex Process
RT Niflex Process
RT Partition
RT Podbielniak Contactors
RT Purex Process
RT Redox Process
RT Reprocessing
RT Salting-Out Agents
RT Slurex Process
RT Solvent Properties
RT Sulfex Process
RT Synergism
RT Talspeak Process
RT Thermox Process
RT Thorex Process
RT Tramex Process
RT Truex Process
RT Zircex Process
RT Zirflex Process

SOLVENT PROPERTIES
DA January 28, 1975
RT Dissolution
RT Solubility
RT Solvent Extraction
RT Solvents

SOLVENT-REFINED COAL [01]
DA January 28, 1975
BT1 Fuels
RT Coal
RT Coal Preparation Plants
RT LC-Fining
RT SRC Process

Solvent-Refined Coal Process
DA January 29, 1975
USE SRC Process

Solvent-Refining Coal Plants
DA May 31, 1979
SEE Coal Preparation Plants
OR SRC Process

SOLVENTS [01]
DA December 1, 1974
SF *Chemicals*
NT1 Mixed Solvents
NT1 Nonaqueous Solvents
NT1 Organic Solvents
NT2 AMSCO
NT2 Carbitols
NT2 Cellosolves
NT2 Solvesso
NT2 Turpentine
RT Dissolution
RT Solubility
RT Solutes
RT Solutions
RT Solvent Properties
RT Water

SOLVESSO [01]
DA December 1, 1974
BT1 Organic Solvents
BT2 Solvents
RT Aromatics

SOLVOLYSIS [01]
DA December 1, 1974
BT1 Decomposition
BT2 Chemical Reactions
NT1 Acetolysis
NT1 Ammonolysis
NT1 Hydrolysis
NT2 Acid Hydrolysis
NT2 Alkaline Hydrolysis
NT2 Autohydrolysis
NT2 Enzymatic Hydrolysis
NT2 Saccharification
NT2 Saponification

SOMALIA [01]
DA December 1, 1974
BT1 Africa
BT1 Arab Countries
BT1 Developing Countries

SOMATIC CELLS [01]
DA December 1, 1974
BT1 Animal Cells
NT1 Connective Tissue Cells
NT2 Bone Cells
NT2 Bone Marrow Cells
NT2 Fat Cells
NT2 Fibroblasts
NT2 Lymphocytes
NT2 Macrophages
NT2 Mast Cells
NT2 Plasma Cells
NT1 Crypt Cells
NT1 Liver Cells
NT1 Nerve Cells
NT1 Phagocytes
NT2 Macrophages
NT1 Spleen Cells
NT1 Stem Cells
NT1 Thymocytes
NT1 Thymus Cells

SOMATIC MUTATIONS [01]
DA December 1, 1974
BT1 Mutations

→**SOMATICALLY SIGNIFICANT DOSE [01]**
DA November 26, 1990
BT1 Radiation Doses
BT2 Doses
RT Radiation Hazards

SOMATOSTATIN [01]
DA February 5, 1979
UF *Growth Hormone-Release Inhibiting Factor*
UF *Somatotropin Release Inhibiting Factor*
RT Polypeptides
RT STH

Somatotropic Hormone
DA December 1, 1974
USE STH

Somatotropin Release Inhibiting Factor
DA February 5, 1979
USE Somatostatin

SOMMERFELD CONSTANT [01]
DA December 1, 1974
UF *Sommerfeld Fine Structure Constant*
RT Fine Structure

Sommerfeld Fine Structure Constant
DA December 1, 1974
USE Sommerfeld Constant

SOMMERFELD INTEGRALS
DA October 1, 1975
BT1 Integrals
RT Antennas

SOMMERFELD-WATSON THEORY [01]
DA December 1, 1974
UF *Watson Method*
RT Quantum Mechanics

SONAR
DA November 1, 1976
UF *Sound Navigation and Ranging*
BT1 Range Finders
BT2 Measuring Instruments
RT Electrical Equipment
RT Electronic Equipment
RT Frequency Range
RT Sound Waves

Sondes
DA May 3, 1978
USE Probes

SONIC LOGGING
DA June 7, 1976
BT1 Well Logging
RT Acoustic Measurements
RT Acoustic Monitoring
RT Seismic Sources
RT Sonic Probes

Sonic Measurements
DA July 7, 1976
USE Acoustic Measurements

SONIC PROBES [01]
DA October 1, 1975
BT1 Probes
RT Acoustic Measurements
RT Ion Acoustic Waves
RT Plasma Diagnostics
RT Sonic Logging
DEF Probes using sonics for plasma diagnostics or for sonic logging.

SONIC SPARK CHAMBERS [01]
DA December 1, 1974
UF *Acoustic Spark Chambers*
BT1 Filmless Spark Chambers
BT2 Spark Chambers
BT3 Gas Track Detectors
BT4 Radiation Detectors
BT5 Measuring Instruments

SOOT
DA July 7, 1976
RT Air Pollution
RT Arctic Haze
RT Carbon Compounds
RT Coal
RT Smokes

SORA REACTOR [01]
DA December 1, 1974
BT1 Fast Reactors
BT2 Epithermal Reactors
BT3 Reactors
BT1 Pulsed Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
RT Neutron Sources

SORBENT INJECTION PROCESSES [01]
DA March 30, 1990
RT Adsorbents
RT Desulfurization

SORBENT RECOVERY SYSTEMS [01]
DA January 23, 1978
RT Adsorbents
RT Oil Spills
RT Sorption
RT Water Pollution Control
DEF Systems that use sorbents for materials recovery.

SORBIC ACID [01]
DA December 1, 1974
BT1 Monocarboxylic Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds

SORBITOL [01]
DA December 1, 1974
BT1 Diuretics
BT2 Drugs
BT1 Monosaccharides
BT2 Saccharides
BT3 Carbohydrates
BT4 Organic Compounds
RT Sorbose

SORBOSE [01]
DA December 1, 1974
BT1 Hexoses
BT2 Monosaccharides
BT3 Saccharides
BT4 Carbohydrates
BT5 Organic Compounds
BT1 Ketones

BT2 Organic Compounds
RT Sorbitol

SOREQ NUCLEAR RESEARCH CENTER [01]
DA November 23, 1979
BT1 Israel Atomic Energy Commission
BT2 Israeli Organizations
BT3 National Organizations

SORGHUM [01]
DA December 1, 1974
BT1 Cereals
BT2 Gramineae
BT3 Liliopsida
BT4 Magnoliophyta
BT5 Plants

SORPTION [01]
DA August 25, 1976
NT1 Absorption
NT2 Energy Absorption
NT2 Intestinal Absorption
NT2 K Absorption
NT2 Polar-Cap Absorption
NT2 Resonance Absorption
NT2 Root Absorption
NT2 Self-Absorption
NT2 Skin Absorption
NT1 Adsorption
NT1 Chemisorption
NT1 Desorption
RT Sorbent Recovery Systems
RT Sorptive Properties

SORPTIVE PROPERTIES [01]
DA February 6, 1975
UF *Adsorptive Properties*
BT1 Surface Properties
RT Adsorbents
RT Adsorption
RT Bioadsorbents
RT Sorption

SORTING [01]
DA October 1, 1975
RT Classification
RT Concentrators
RT Jigs
RT Particle Size Classifiers
RT Screens
RT Separation Processes

Sound
DA December 1, 1974
USE Sound Waves

Sound Navigation and Ranging
DA November 2, 1976
USE Sonar

SOUND WAVES [01]
DA December 1, 1974
UF *Sound*
NT1 Ultrasonic Waves
RT Acoustic Agglomerators
RT Acoustic Detection
RT Acoustic ESR
RT Acoustic Measurements
RT Acoustic Monitoring
RT Acoustic NMR
RT Acoustic Radar
RT Acoustics
RT Fourth Sound
RT Magnetoacoustics
RT Second Sound
RT Seismic Sources
RT Signal Distortion
RT Sonar
RT Speech
RT Speech Synthesizers
RT Third Sound
RT Zero Sound

Sour Crude Oil
DA April 16, 1993
USE Sour Crudes

SOUR CRUDES [01]
DA March 11, 1976
UF *High-Sulfur Crude Oil*
UF *Sour Crude Oil*
BT1 Petroleum
BT2 Fossil Fuels
BT3 Energy Sources
BT3 Fuels
RT Hydrogen Sulfides
RT Sulfur
DEF Crude oils containing an abnormally large amount of sulfur and sulfur compounds.

SOURCE ROCKS
DA November 10, 1981
RT Reservoir Rock
RT Rocks

SOURCE TERMS [01]
DA December 13, 1985
RT Containment
RT Fission Product Release
RT Fission Products
RT Meltdown
RT Radiation Doses
RT Reactor Accidents
RT Risk Assessment
DEF Activities and amounts of the different radionuclides per unit time leaving a nuclear installation or facility and entering the environment, as during a severe reactor accident.

SOUTH AFRICA [01]
DA December 1, 1974
BT1 Africa
BT1 Developed Countries
NT1 Transvaal

SOUTH AFRICAN ORGANIZATIONS [01]
DA April 19, 1976
BT1 National Organizations

SOUTH ALLIGATOR DEPOSIT [01]
DA August 7, 1978
BT1 Uranium Deposits
BT2 Geologic Deposits
BT2 Mineral Resources
BT3 Resources
RT Northern Territory
RT Uranium Ores

SOUTH AMERICA [01]
DA December 1, 1974
BT1 Latin America
NT1 Argentina
NT2 Mendoza
NT1 Bolivia
NT2 Chacaltaya
NT1 Brazil
NT1 British Guiana
NT1 Chile
NT1 Colombia
NT1 Ecuador
NT1 French Guiana
NT1 Guyana
NT1 Paraguay
NT1 Peru
NT1 Surinam
NT1 Uruguay
NT1 Venezuela
RT OAS

SOUTH ATLANTIC BIGHT [01]
DA August 12, 1980
BT1 Atlantic Ocean
BT2 Seas
BT3 Surface Waters
RT Coastal Waters
RT Continental Shelf
RT Mid-Atlantic Bight
RT Onslow Bay
DEF The portion of the Atlantic Ocean overlying the continental shelf off North Carolina, South Carolina, Georgia, and Florida.

SOUTH AUSTRALIA [01]
DA December 1, 1974
BT1 Australia
BT2 Australasia
BT2 Developed Countries
RT Olympic Dam Mine
RT Roxby Downs Deposit

SOUTH CAROLINA [01]
DA December 1, 1974
BT1 USA
BT2 Developed Countries
BT2 North America
RT Santee River
RT Savannah River
RT Savannah River Plant
RT US East Coast

South China Sea
DA March 16, 1981
USE China Sea

SOUTH DAKOTA [01]
DA December 1, 1974
BT1 USA
BT2 Developed Countries
BT2 North America
NT1 Table Mountain Area
RT Missouri River
RT Williston Basin

South Korea
DA December 1, 1974
USE Republic of Korea

SOUTH TEXAS PROJECT-1 REACTOR [01]
(Bay City, Texas, USA)
DA May 15, 1975
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

SOUTH TEXAS PROJECT-2 REACTOR [01]
(Bay City, Texas, USA)
DA May 15, 1975
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

SOUTH UKRAINIAN-1 REACTOR [01]
DA September 20, 1984
BT1 WWER Type Reactors
BT2 PWR Type Reactors
BT3 Enriched Uranium Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors
BT3 Thermal Reactors
BT4 Reactors
BT3 Water Cooled Reactors
BT4 Reactors
BT3 Water Moderated Reactors
BT4 Reactors

SOUTH UKRAINIAN-2 REACTOR [01]
DA December 2, 1988
BT1 WWER Type Reactors
BT2 PWR Type Reactors
BT3 Enriched Uranium Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors
BT3 Thermal Reactors
BT4 Reactors
BT3 Water Cooled Reactors
BT4 Reactors
BT3 Water Moderated Reactors
BT4 Reactors

SOUTH UKRAINIAN-3 REACTOR [01]
(Ukrainian SSR, USSR.)
DA February 13, 1990
BT1 WWER Type Reactors
BT2 PWR Type Reactors
BT3 Enriched Uranium Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors
BT3 Thermal Reactors
BT4 Reactors
BT3 Water Cooled Reactors
BT4 Reactors
BT3 Water Moderated Reactors
BT4 Reactors

SOUTH VIETNAM [01]
DA December 1, 1974
UF *Vietnam - South*
BT1 Asia

South West Africa
(Literature subsequent to June 1984 should be indexed to NAMIBIA. Prior to August 1992 this was a valid descriptor.)
DA December 1, 1974
USE Namibia

South Yemen
DA May 18, 1981
USE Yemen

Southeast Region
(Prior to June 1982 this was a valid descriptor.)
DA July 6, 1978
USE USA

SOUTHEASTERN POWER ADMINISTRATION
DA March 29, 1980
UF *SEPA*
BT1 US DOE
BT2 US Organizations
BT3 National Organizations
RT Electric Power

SOUTHERN HEMISPHERE [01]
DA September 22, 1980
BT1 Earth Planet
BT2 Planets
RT Northern Hemisphere

Southern Negros Geothermal Field
DA February 23, 1984
USE Palimpinon Geothermal Field

SOUTHERN OSCILLATION [01]
DA February 4, 1986
UF *El Nino*
RT Atmospheric Circulation
RT Atmospheric Pressure
RT Indian Ocean
RT Pacific Ocean
DEF A periodic barometric pressure fluctuation between the Indian Ocean region and the southeast Pacific Ocean.

SOUTHERN RHODESIA [01]
DA December 1, 1974
UF *Rhodesia (Southern)*
BT1 Zimbabwe
BT2 Africa
BT2 Developing Countries

Southern Yemen
DA August 12, 1980
USE Yemen

Southwest Experimental Fast Oxide Reactor
DA December 1, 1974
USE SEFOR Reactor

Southwest Region
(Prior to June 1982 this was a valid descriptor.)
DA July 6, 1978
USE USA

SOUTHWESTERN POWER ADMINISTRATION [01]
DA March 29, 1980
UF *SWPA*
BT1 US DOE
BT2 US Organizations
BT3 National Organizations
RT Electric Power

Soviet Breeder Reactor-1
DA December 1, 1974
USE SBR-1 Reactor

Soviet Breeder Reactor-2
DA December 1, 1974
USE SBR-2 Reactor

Soviet Breeder Reactor-5
DA December 1, 1974
USE SBR-5 Reactor

Soviet Research Reactor IRT
DA December 1, 1974
USE IRT Reactor

Soviet Research Reactor IRT-C
DA December 1, 1974
USE IRT-C Reactor

Soviet Research Reactor IRT-F
DA December 1, 1974
USE IRT-F Reactor

Soviet Union
DA December 1, 1974
USE USSR

SOXAL PROCESS
DA June 12, 1986
BT1 Desulfurization
BT2 Chemical Reactions
RT Waste Processing
DEF A regenerative wet scrubbing process which is based on the use of a high pH sodium solution to remove the sulfur oxides from flue gas.

Soy Oil
DA December 1, 1974
USE Soybean Oil

SOYBEAN OIL [01]
DA December 1, 1974
UF *Chinese Bean Oil*
UF *Soja Bean Oil*
UF *Soy Oil*
BT1 Triglycerides
BT2 Esters
BT3 Organic Compounds
BT2 Lipids
BT3 Organic Compounds
BT1 Vegetable Oils
BT2 Oils
BT3 Other Organic Compounds
BT4 Organic Compounds

Soybean Plant
DA December 1, 1974
USE Glycine Hispida

SOYBEANS [01]
DA December 1, 1974
BT1 Vegetables
BT2 Food
BT2 Plants
RT Glycine Hispida

SP GROUPS [01]
DA December 1, 1974
UF *Symplectic Groups*
BT1 Lie Groups
BT2 Symmetry Groups

SP LOGGING
DA June 7, 1976
UF *Self Potential Logging*
UF *Spontaneous Potential Logging*
BT1 Electric Logging
BT2 Well Logging
RT Resistivity Logging

SPACE [01]
DA December 1, 1974
NT1 Annular Space
NT2 Toroidal Configuration
NT1 Extracellular Space
NT1 Intergalactic Space
NT1 Interplanetary Space
NT1 Interstellar Space
NT1 Mathematical Space
NT2 Banach Space
NT3 Hilbert Space
NT2 Hausdorff Space
NT2 Minkowski Space
NT2 Phase Space
NT2 Riemann Space
NT3 Euclidean Space
NT1 Underground Space
RT Space Flight
RT Space Vehicles

SPACE CHARGE [01]
DA December 1, 1974
UF+ *Beam Perveance*
RT Charge Distribution
RT Electric Charges
RT Electron Tubes

Space-Charge Layer
DA March 4, 1980
USE Depletion Layer

SPACE DEPENDENCE [01]
DA December 1, 1974
UF *Configuration Dependence*
UF *Geometric Sensitivity*
UF *Position Dependence*
UF *Spatial Dependence*
RT Angular Distribution
RT Coordinates
RT Mathematical Space
RT Spatial Distribution
DEF The dependence of any quantity or variable on space coordinates.

SPACE FLIGHT [01]
DA December 1, 1974
RT Apollo Project
RT Cosmic Radiation
RT Mars Space Probes
RT OGO Satellites
RT Orbiting Solar Observatories
RT Radiation Protection
RT Reentry
RT Rockets
RT Satellites
RT Solar Flares
RT Space
RT Space Transport
RT Space Vehicles
RT Venera Space Probes
RT Weightlessness

SPACE GROUPS [01]
DA December 1, 1974
UF *Groups (Space)*
RT Crystal Lattices
RT Group Theory

SPACE HEATERS [01]
DA June 21, 1977
BT1 Appliances
BT2 Equipment
BT1 Heaters
RT Space Heating

SPACE HEATING [01]
DA February 13, 1975
BT1 Heating
NT1 Auxiliary Heating
NT1 Baseboard Heating
NT1 Geothermal Space Heating
NT1 Solar Space Heating
RT Air Source Heat Pumps
RT Airtightness
RT Annual Cycle Energy System
RT Central Heating Plants
RT Degree Days
RT Electric Heating
RT Fireplaces
RT Ground Source Heat Pumps
RT Heating Systems
RT Oil Furnaces

RT Radiant Cable Heating
RT Space Heaters
RT Water Source Heat Pumps
RT Wood Burning Furnaces

SPACE HVAC SYSTEMS
(Heating, ventilation, and air conditioning systems.)
DA August 25, 1980
BT1 Energy Systems
RT Air Conditioners
RT Gas Heat Pumps
RT Heating Systems
RT Ventilation Systems

Space Lattices
DA December 1, 1974
USE Crystal Lattices

SPACE POWER REACTORS [01]
DA December 1, 1974
UF *Space Power Unit Reactor*
UF *SPUR Reactor*
BT1 Mobile Reactors
BT2 Reactors
BT1 Power Reactors
BT2 Reactors
* NT1 SNAP Reactors
* NT1 Space Propulsion Reactors

Space Power Unit Reactor
DA February 20, 1975
USE Space Power Reactors

SPACE PROPULSION REACTORS [01]
DA December 1, 1974
BT1 Propulsion Reactors
BT2 Reactors
BT1 Space Power Reactors
BT2 Mobile Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
NT1 Kiwi-TNT Reactor
NT1 NERVA Reactor
NT1 NRX-A1 Reactor
NT1 NRX-A2 Reactor
NT1 NRX-A3 Reactor
NT1 NRX-A4-Est Reactor
NT1 NRX-A5 Reactor
NT1 NRX-A6 Reactor
NT1 NRX-A7 Reactor
NT1 Pewee-1 Reactor
NT1 Pewee-2 Reactor
NT1 Pewee-3 Reactor
NT1 Pewee-4 Reactor
NT1 Phoebus-1A Reactor
NT1 Phoebus-1B Reactor
NT1 Phoebus-2A Reactor
NT1 Rover Reactors
NT1 TWMR Reactor
NT1 XE-2 Reactor
RT Fissioning Plasma
RT Hydrogen Cooled Reactors

Space Reflection
DA December 1, 1974
USE P Invariance

SPACE SHUTTLES [01]
DA September 26, 1979
BT1 Aircraft
BT1 Space Vehicles
BT2 Vehicles

SPACE-TIME [01]
DA December 1, 1974
NT1 Light Cone
RT Compactification
RT Cosmological Constant
RT Cosmology
RT Galilei Transformations
RT Inflationary Universe
RT Lorentz Transformations
RT Mach Principle
RT Mathematical Space
RT Metrics
RT Relativity Theory
RT Twistor Theory

SPACE-TIME MODEL [01]
DA March 4, 1977
BT1 Cluster Emission Model
BT2 Multiperipheral Model
BT3 Peripheral Models
BT4 Particle Models
BT5 Mathematical Models
RT Hadron Reactions
DEF Particle-interaction model in which particles at the instant of creation are immature or bare and their maturity rate is enhanced in the presence of other hadronic matter, as in a nucleus

SPACE TRANSPORT
DA October 27, 1980
BT1 Transport
RT Rockets
RT Space Flight
RT Space Vehicles

SPACE VEHICLE COMPONENTS
DA August 24, 1976
RT Space Vehicles

SPACE VEHICLES [01]
DA December 1, 1974
BT1 Vehicles
NT1 Luna Space Probes
NT1 Mariner Space Probes
NT1 Mars Space Probes
NT1 MIR Orbital Station
NT1 Pioneer Space Probes
NT1 Reentry Vehicles
NT1 Salyut Orbital Stations
NT1 Space Shuttles
NT1 Vega Space Probes
NT1 Venera Space Probes
NT1 Viking Space Probes
NT1 Voyager Space Probes
RT Aerospace Industry
RT Attitude Control
RT Electronic Guidance
RT Ionosondes
RT Launching
RT Navigational Instruments
RT Nose Cones
RT Reentry
RT Rockets
RT Satellites
RT Space
RT Space Flight
RT Space Transport
RT Space Vehicle Components
RT Thrusters

SPACE WEAPONS
DA November 29, 1984
UF *Anti-Missile Systems*
UF *Anti-Satellite Systems*
RT Ballistic Missile Defense
RT Directed-Energy Weapons
RT National Defense

SPACECRAFT POWER SUPPLIES [01]
DA January 24, 1975
BT1 Power Supplies
BT2 Electronic Equipment
BT3 Equipment
RT Electric Power

SPACERS [01]
DA December 1, 1974
RT Fins
RT Fuel Element Clusters
RT Reactor Components

SPADNS [01]
DA December 1, 1974
UF *Sulfophenyl-Naphthalene-Sulfonic Acid*
BT1 Sulfones
BT2 Organic Sulfur Compounds
BT3 Organic Compounds
BT1 Sulfonic Acids
BT2 Organic Acids
BT3 Organic Compounds
BT2 Organic Sulfur Compounds
BT3 Organic Compounds

SPAIN [01]
DA December 1, 1974
BT1 Developing Countries
BT1 Western Europe
BT2 Europe
NT1 Canary Islands
RT Bay of Biscay
RT Gibraltar
RT OECD

SPALLATION [01]
DA December 1, 1974
BT1 Nuclear Reactions
RT Fission
RT Nuclear Fireball Model
RT Nuclear Fragmentation
RT Rudstam Formula
RT Spallation Fragments

SPALLATION FRAGMENTS [01]
DA December 20, 1978
UF *Fragments (Spallation)*
UF *Spallation Products*
BT1 Nuclear Fragments
RT Spallation

Spallation Products
DA December 20, 1978
USE Spallation Fragments

Spanish JEN-1 Research Reactor
DA December 1, 1974
USE JEN-1 Reactor

Spanish JEN-2 Research Reactor
DA December 1, 1974
USE JEN-2 Reactor

SPANISH ORGANIZATIONS [01]
DA June 3, 1977
BT1 National Organizations

SPARGERS
DA January 30, 1975
UF *Perforated Pipe Distributors*
RT Sprays
DEF Liquid distribution device consisting of length of piping or tubing with holes at spaced intervals along the length.

SPARK CHAMBERS [01]
DA December 1, 1974
BT1 Gas Track Detectors
BT2 Radiation Detectors
BT3 Measuring Instruments
NT1 Filmless Spark Chambers
NT2 Sonic Spark Chambers
NT2 Wire Spark Chambers
NT1 Projection Spark Chambers
NT1 Streamer Spark Chambers
NT1 Wide Gap Spark Chambers
RT Digitizers
RT Spark Counters

SPARK COUNTERS [01]
DA December 1, 1974
UF *Rosenblum Counters*
BT1 Radiation Detectors
BT2 Measuring Instruments
RT Corona Counters
RT Spark Chambers

SPARK DRILLS
DA July 7, 1976
BT1 Drills
BT2 Drilling Equipment
BT3 Equipment
RT Drill Bits
RT Electric Sparks
RT Rock Drilling
RT Well Drilling

SPARK GAPS [01]
DA December 1, 1974
RT Breakdown
RT Electric Discharges
RT Electric Sparks
RT Paschen Law

SPARK IGNITION ENGINES [01]
DA May 5, 1975

BT1 Internal Combustion Engines
BT2 Heat Engines
BT3 Engines
NT1 Wankel Engines
RT Automobiles
RT Carburetors
RT Combustion
RT Combustion Chambers
RT Fuel Injection Systems
RT Gasoline

SPARK MACHINING [01]
DA December 1, 1974
BT1 Machining

SPARK MASS SPECTROMETERS [01]
DA December 1, 1974
BT1 Mass Spectrometers
BT2 Spectrometers
BT3 Measuring Instruments

Sparks (Electric)
DA December 1, 1974
USE Electric Sparks

SPARTICLES [01]
DA March 16, 1988
UF *Supersymmetric Particles*
BT1 Postulated Particles
BT2 Elementary Particles

Spatial Dependence
(Prior to August 1981, this was a valid descriptor.)
DA August 7, 1979
USE Space Dependence

SPATIAL DISTRIBUTION [01]
DA December 1, 1974
BT1 Distribution
NT1 Mass Distribution
RT Angular Distribution
RT Plasma Radial Profiles
RT Space Dependence
RT Temperature Distribution

SPATIAL DOSE DISTRIBUTIONS [01]
DA December 1, 1974
UF *Distribution Factor (Rad Doses)*
UF+ *Absorbed Fraction (Internal Irradiation)*
UF+ *Effective Energy (Internal Irradiation)*
BT1 Radiation Dose Distributions
NT1 Depth Dose Distributions
RT Buildup
RT Integral Doses
RT Irradiation Procedures
RT Isodose Curves
RT Local Irradiation
RT Microdosimetry
RT Nonuniform Irradiation
RT Partial Body Irradiation

SPATIAL RESOLUTION [01]
DA December 1, 1974
BT1 Resolution

SPEAKEASY
DA February 11, 1980
BT1 Programming Languages

SPEAR [01]
(Stanford positron-electron asymmetric ring.)
DA December 1, 1974
BT1 Storage Rings

Special Power Excursion Reactor-1
DA December 1, 1974
USE SPERT-1 Reactor

Special Power Excursion Reactor-2
DA December 1, 1974
USE SPERT-2 Reactor

Special Power Excursion Reactor-3
DA December 1, 1974
USE SPERT-3 Reactor

Special Power Excursion Reactor-4
DA December 1, 1974
USE SPERT-4 Reactor

SPECIAL PRODUCTION REACTORS [01]
(For producing fissile materials such as URANIUM 233, CALIFORNIUM 252, THORIUM 232, etc; see also PLUTONIUM PRODUCTION REACTORS.)
DA December 1, 1974
BT1 Production Reactors
BT2 Reactors
NT1 C Reactor
NT1 K Reactor
NT1 L Reactor
NT1 P Reactor
NT1 R Reactor

Special Relativity Theory
DA December 1, 1974
USE Relativity Theory

SPECIES DIVERSITY [01]
DA January 23, 1978
RT Animals
RT Baseline Ecology
RT Biological Extinction
RT Ecological Succession
RT Ecology
RT Ecosystems
RT Plants
RT Populations

Specific Gravity
DA December 1, 1974
USE Density

SPECIFIC HEAT [01]
DA December 1, 1974
UF *Heat Capacity*
BT1 Thermodynamic Properties
BT2 Physical Properties
NT1 Electronic Specific Heat
NT1 Magnetic Specific Heat
NT1 Nuclear Specific Heat
RT Born-Von Karman Theory
RT Debye Temperature
RT Grueneisen Constant

→**SPECIFIC SURFACE AREA [01]**
DA March 8, 1991
BT1 Physical Properties
RT Powders
DEF Surface area per unit weight or volume of a particulate solid.

Specific Volume
DA December 1, 1974
USE Density

Specific Weight
DA December 1, 1974
USE Density

SPECIFICATIONS [01]
DA December 1, 1974
UF *Technical Specifications*
RT CAMAC System
RT Design
RT Engineering Drawings
RT Inspection
RT Patents
RT Quality Control
RT Reliability
RT Standardization
RT Standards

SPECIFICITY [01]
(The qualitative attribute of accurately distinguishing among different materials, properties, radiations, etc. as compared with the quantitative aspect of the threshold for detecting a given material, property, etc.; for which see SENSITIVITY.)
DA August 24, 1976
RT Accuracy
RT Sensitivity

Specimen Holders
DA November 26, 1975
USE Sample Holders

SPECTRA [01]
DA December 1, 1974
NT1 Absorption Spectra
NT1 Alpha Spectra
NT1 Beta Spectra
NT1 Deuteron Spectra
NT1 Electron Spectra
NT1 Emission Spectra
NT1 Energy Spectra
NT1 Fission Spectra
NT1 Gamma Spectra
NT1 Infrared Spectra
NT1 Mass Spectra
NT1 Microwave Spectra
NT1 Missing-Mass Spectra
NT1 Neutron Spectra
NT2 Watt Fission Spectrum
NT1 NMR Spectra
NT1 Proton Spectra
NT1 Raman Spectra
NT1 Ultraviolet Spectra
NT2 Extreme Ultraviolet Spectra
NT1 Visible Spectra
NT1 X-Ray Spectra
RT Balmer Lines
RT Eddington Theory
RT Fine Structure
RT Fraunhofer Lines
RT Hyperfine Structure
RT Line Broadening
RT Line Narrowing
RT Line Widths
RT Lyman Lines
RT Multispectral Scanners
RT Particle Multiplets
RT Paschen Lines
RT Raman Effect
RT Rydberg-Klein-Rees Method
RT Schumann-Runge Bands
RT Spectral Response
RT Spectral Shift

Spectra (Absorption)
DA December 1, 1974
USE Absorption Spectra

Spectra (Fission)
DA December 1, 1974
USE Fission Spectra

Spectra (Neutron)
DA December 1, 1974
USE Neutron Spectra

SPECTRA UNFOLDING [01]
DA December 1, 1974
BT1 Data Processing
BT2 Processing
RT Neutron Spectra

Spectral Broadening
DA December 1, 1974
USE Line Broadening

SPECTRAL DENSITY [01]
DA December 1, 1974
BT1 Spectral Functions
BT2 Functions
RT Energy Spectra

Spectral Flame Radiance
DA May 12, 1982
USE Emissivity

SPECTRAL FUNCTIONS [01]
DA December 1, 1974
BT1 Functions
NT1 Spectral Density
RT Dispersion Relations

SPECTRAL HARDENING [01]
DA December 1, 1974
UF *Hardening (Spectral)*
RT Neutron Spectra

Spectral Narrowing
DA June 30, 1977
USE Line Narrowing

SPECTRAL REFLECTANCE
DA October 25, 1978
BT1 Optical Properties
BT2 Physical Properties
RT Absorptivity
RT Reflectivity
RT Spectrally Selective Surfaces
DEF The radiant reflectance for a specified wavelenth of the incident radiant flux.

SPECTRAL RESPONSE
DA June 24, 1977
RT Efficiency
RT Energy Dependence
RT Energy Spectra
RT Performance
RT Sensitivity
RT Spectra

SPECTRAL SHIFT [01]
DA December 1, 1974
UF *Isotope Shift*
UF *Isotopic Shift*
NT1 Lamb Shift
RT Chemical Shift
RT Doppler Effect
RT Einstein Effect
RT Knight Effect
RT Knight Shift
RT Spectra
RT Stark Effect
RT Zeeman Effect

SPECTRAL SHIFT CONTROL [01]
DA December 1, 1974
BT1 Configuration Control
BT2 Control
DEF Type of moderator control in which the neutron spectrum is intentionally changed.

SPECTRALLY SELECTIVE SURFACES
DA November 11, 1975
BT1 Solar Equipment
BT2 Equipment
BT1 Surfaces
RT Black Chrome
RT Black Coatings
RT Solar Absorbers
RT Spectral Reflectance

Spectrochemistry
DA December 1, 1974
SEE Absorption Spectroscopy
OR Emission Spectroscopy

SPECTROMETERS [01]
DA December 1, 1974
BT1 Measuring Instruments
NT1 Alpha Spectrometers
NT1 Beta Spectrometers
NT1 Cosmic Ray Spectrometers
NT1 Electron Spectrometers
NT1 Electrostatic Spectrometers
NT1 EPR Spectrometers
NT1 Fission Fragment Spectrometers
NT1 Fourier Transform Spectrometers
NT1 Gamma Spectrometers
NT2 Compton Spectrometers
NT2 Moessbauer Spectrometers
NT2 Pair Spectrometers
NT1 Heavy Ion Spectrometers
NT1 Infrared Spectrometers
NT2 Photoacoustic Spectrometers
NT1 Magnetic Spectrometers
NT2 Flat Magnetic Spectrometers
NT2 Magnetic Lens Spectrometers
* NT1 Mass Spectrometers
NT1 Missing-Mass Spectrometers
NT1 Multiparticle Spectrometers
NT1 Neutron Spectrometers
NT2 Bonner Sphere Spectrometers
NT1 NMR Spectrometers
NT1 Optical Spectrometers
NT1 Proton Spectrometers
NT1 Time-of-Flight Spectrometers
NT2 Time-Of-Flight Mass Spectrometers
NT1 Ultraviolet Spectrometers
NT1 X-Ray Spectrometers
RT Coincidence Spectrometry
RT Diffraction Gratings
RT Interferometers
RT Monochromators
RT Pulse Analyzers
RT Radiation Detection
RT Radiation Detectors
RT Spectrophotometers
RT Spectroscopy

SPECTROPHOTOMETERS [01]
DA December 1, 1974
BT1 Measuring Instruments
RT Spectrometers
RT Spectrophotometry

SPECTROPHOTOMETRY [01]
DA December 1, 1974
RT Flame Photometry
RT Photometry
RT Spectrophotometers
RT Spectroscopy

SPECTROSCOPIC CURVE OF GROWTH [01]
DA August 24, 1976
BT1 Optical Depth Curve
BT2 Diagrams
RT Absorption Spectra
RT Cosmic Gases
RT Line Broadening
RT Optical Properties
RT Oscillator Strengths

SPECTROSCOPIC FACTORS [01]
DA December 1, 1974
RT Nuclear Reactions
RT Scattering

SPECTROSCOPY [01]
DA December 1, 1974
NT1 Absorption Spectroscopy
NT1 Alpha Spectroscopy
NT1 Baryon Spectroscopy
NT1 Beta Spectroscopy
NT1 Deep Level Transient Spectroscopy
NT1 Electron Spectroscopy
NT2 Auger Electron Spectroscopy
NT2 Energy-Loss Spectroscopy
NT2 Photoelectron Spectroscopy
NT1 Emission Spectroscopy
NT2 Fluorescence Spectroscopy
NT1 Gamma Spectroscopy
NT1 In-Beam Spectroscopy
NT1 Ion Spectroscopy
NT2 Ion Cyclotron Resonance Spectroscopy
NT1 Ion-Neutralization Spectroscopy
NT1 Laser Spectroscopy
NT2 Raman Spectroscopy
NT1 Mass Spectroscopy
NT2 Resonance Ionization Mass Spectroscopy
NT1 Meson Spectroscopy
NT1 Neutron Spectroscopy
NT1 Photo-Induced Transient Spectroscopy
NT1 Photoacoustic Spectroscopy
NT1 X-Ray Spectroscopy
RT Flame Photometry
RT Matrix Isolation
RT Multispectral Photography
RT Multispectral Scanners
RT Photometry
RT Post-Irradiation Examination
RT Quantum Electronics
RT Radiation Detection
RT Spectrometers
RT Spectrophotometry

SPEECH
DA January 22, 1975
RT Communications
RT Sound Waves
RT Speech Synthesizers

SPEECH SYNTHESIZERS
DA July 18, 1981
BT1 Electronic Equipment
BT2 Equipment
RT Acoustics
RT Computer Codes
RT Electronic Circuits
RT Simulation
RT Sound Waves
RT Speech

Speed Indicators
DA August 19, 1975
USE Velocimeters

SPEED LIMIT
DA July 23, 1977
RT Laws

SPEED REGULATORS [01]
DA December 1, 1974
BT1 Control Equipment
BT2 Equipment

SPENCER-FANO THEORY [01]
DA December 1, 1974
RT Neutron Slowing-Down Theory

Spending
DA July 6, 1981
USE Expenditures

SPENT FUEL CASKS
DA January 30, 1975
BT1 Casks
BT2 Containers
RT Spent Fuel Elements

SPENT FUEL ELEMENTS [01]
DA December 1, 1974
BT1 Fuel Elements
BT2 Reactor Components
RT Burnup
RT Fuel Integrity
RT Reprocessing
RT Spent Fuel Casks
RT Spent Fuels
RT Wackersdorf Reprocessing Plant
RT WAK

SPENT FUEL STORAGE [01]
DA December 1, 1974
UF *Fuel Cooling Installations*
UF *Storage (Spent Fuel)*
BT1 Storage
NT1 Away-From-Reactor Storage
NT1 Dry Storage
NT1 Monitored Retrievable Storage
RT After-Heat
RT Fuel Cooling Time
RT Fuel Cycle Centers
RT Fuel Integrity
RT Fuel Pools
RT Fuel Racks
RT Fuel Storage Pools
RT Nuclear Waste Policy Acts
RT Storage Facilities
RT US MRS Project

SPENT FUELS [01]
DA December 1, 1974
BT1 Nuclear Fuels
BT2 Energy Sources
BT2 Fuels
BT2 Reactor Materials
BT3 Materials
RT Cooling Time
RT Fission Products
RT Fuel Cooling Time
RT Fuel Integrity
RT Fuel Reprocessing Plants
RT Monitored Retrievable Storage
RT Nuclear Waste Policy Acts
RT Radioactive Wastes
RT Reactors
RT Spent Fuel Elements
RT US MRS Project
RT Wackersdorf Reprocessing Plant
RT WAK

SPENT LIQUORS [01]
DA August 7, 1978
UF *Black Liquors*
UF *Sulfite Waste Liquor*
BT1 Industrial Wastes
BT2 Wastes
BT1 Liquid Wastes
BT2 Wastes

RT Waste Disposal
RT Waste Product Utilization
DEF Liquid effluent from the digestion of wood during pulping, can be caustic, sulfite, or sulfate.

SPENT SEED
(Restricted to MHD seeds.)
DA April 11, 1979
RT Coal-Fired MHD Generators
RT Plasma Seeding
RT Seed Recovery

SPENT SHALES [01]
DA April 15, 1975
UF *Retorted Shales*
RT Oil Shales
RT Portland Cement
RT Shales
RT Solid Wastes

Sperm
DA December 1, 1974
USE Spermatozoa

Spermatids
DA December 1, 1974
USE Spermatozoa

SPERMATOCYTES [01]
DA December 1, 1974
BT1 Germ Cells

SPERMATOGENESIS [01]
DA December 1, 1974
BT1 Gametogenesis
RT Reproduction
RT Spermatogonia
RT Spermatozoa
RT Stem Cells
RT Testes

SPERMATOGONIA [01]
DA April 30, 1975
BT1 Gametes
BT2 Germ Cells
RT Spermatogenesis
RT Spermatozoa

SPERMATOZOA [01]
DA December 1, 1974
UF *Sperm*
UF *Spermatids*
BT1 Gametes
BT2 Germ Cells
RT Spermatogenesis
RT Spermatogonia

SPERMIDINE [01]
DA December 1, 1974
BT1 Amines
BT2 Organic Compounds

SPERMINE [01]
DA December 1, 1974
UF *Gerontine*
UF *Musculamine*
UF *Neuridine*
BT1 Amines
BT2 Organic Compounds

SPERT-1 REACTOR [01]
(Phillips Petroleum Company, USA.)
DA December 1, 1974
UF *Special Power Excursion Reactor-1*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Experimental Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors

SPERT-2 REACTOR [01]
DA December 1, 1974
UF *Special Power Excursion Reactor-2*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Experimental Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Heavy Water Cooled Reactors
BT2 Reactors
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors

SPERT-3 REACTOR [01]
DA December 1, 1974
UF *Special Power Excursion Reactor-3*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Experimental Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors

SPERT-4 REACTOR [01]
DA December 1, 1974
UF *Special Power Excursion Reactor-4*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Experimental Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

SPHALERITE
DA April 8, 1975
BT1 Sulfide Minerals
BT2 Minerals
RT Iron Sulfides
RT Zinc Sulfides
DEF Zinc sulfide, ZnS, a cubic crystal.

Sphene
(This was a valid descriptor prior to 1-31-84.)
DA November 24, 1981
USE Titanite

SPHER
DA January 27, 1981
USE Shell Pellet Heat Exchanger Retorting

SPHERATOR [01]
DA December 1, 1974
BT1 Internal Ring Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

SPHERES [01]
DA December 1, 1974
RT Geometry
RT Shape

Spheres (Fuel)
DA January 28, 1975
USE Fuel Spheres

Spherical Aberrations
DA July 24, 1979
USE Geometrical Aberrations

SPHERICAL CONFIGURATION [01]
DA December 1, 1974
BT1 Configuration

SPHERICAL HARMONICS [01]
DA December 1, 1974
UF *CN Method*
RT Laplace Equation
RT Mathematics
RT Yvon Method

SPHERICAL HARMONICS METHOD [01]
DA December 1, 1974
BT1 Calculation Methods
NT1 P1-Approximation
NT1 P2-Approximation
NT1 P3-Approximation
RT Legendre Polynomials
RT Marshak Boundary Conditions
RT Neutron Transport Theory

SPHERICAL MODEL [01]
DA December 1, 1974
BT1 Nuclear Models
BT2 Mathematical Models

SPHEROIDS [01]
DA October 1, 1975
RT Geometry
RT Shape

SPHEROMAK DEVICES [01]
DA October 23, 1979
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices
NT1 CTX Spheromak
DEF A tokamak that has an aspect ratio approximately equal to one.

SPHINGOMYELINS [01]
DA December 1, 1974
BT1 Phospholipids
BT2 Esters
BT3 Organic Compounds
BT2 Lipids
BT3 Organic Compounds
BT2 Organic Phosphorus Compounds
BT3 Organic Compounds

SPICES [01]
DA December 1, 1974
RT Capsicum
RT Flavor
RT Food

Spicules
DA December 1, 1974
USE Solar Prominences

SPIDERS [01]
DA December 1, 1974
BT1 Arachnids
BT2 Arthropods
BT3 Invertebrates
BT4 Animals

Spikes (Thermal)
DA December 1, 1974
USE Thermal Spikes

SPILLWAY
DA March 3, 1978
RT Dams
RT Hydroelectric Power Plants

SPIN [01]
DA December 1, 1974
BT1 Angular Momentum
BT1 Particle Properties
RT Chirality
RT Heisenberg Model
RT Helicity
RT High Spin States
RT Joos-Weinberg Equation

RT Morrison Rule
RT Orbital Angular Momentum
RT Pauli Spin Operators
RT Quantum Numbers
RT Schmidt Lines
RT Schmidt Model
RT Sherman Tables
RT Spin Exchange
RT Spin Flip
RT Spin Orientation
RT Spin-Lattice Relaxation
RT Spin-Spin Relaxation
RT Spinors
RT Two-Component Neutrino Theory
RT Weil Equation

SPIN ECHO [01]
DA December 1, 1974
RT Nuclear Magnetic Resonance

SPIN EXCHANGE [01]
(Not for chemical reactions.)
DA December 1, 1974
RT Exchange Interactions
RT Spin

SPIN FLIP [01]
DA December 1, 1974
RT Inelastic Scattering
RT Nuclear Reaction Kinetics
RT Spin

SPIN GLASS STATE [01]
DA August 24, 1977
RT Ferromagnetic Materials
RT Magnetism
DEF A magnetic state in alloys of ferromagnetic material and nonmagnetic material in which the magnetic atoms are frozen into random orientations.

SPIN-LATTICE RELAXATION [01]
DA December 1, 1974
BT1 Relaxation
RT Nuclear Magnetic Resonance
RT Spin

Spin-off
DA February 19, 1975
USE Technology Transfer

SPIN-ON COATING
DA December 10, 1979
BT1 Surface Coating
BT2 Deposition

SPIN-ON COATINGS
DA December 10, 1979
BT1 Coatings

Spin-Orbit Interaction
DA December 1, 1974
USE L-S Coupling

SPIN ORIENTATION [01]
(For the process and condition in quantum physics only; see also POLARIZATION.)
DA December 1, 1974
BT1 Orientation
RT Muon Spin Relaxation
RT Nuclear Alignment
RT Nuclear Magnetism
RT Particle Properties
RT Polarization-Asymmetry Ratio
RT Polarized Beams
RT Polarized Targets
RT Spin
RT Stern-Gerlach Experiment

Spin-Spin Interaction
DA December 1, 1974
USE J-J Coupling

SPIN-SPIN RELAXATION [01]
DA December 1, 1974
BT1 Relaxation
RT Nuclear Magnetic Resonance
RT Spin

SPIN WAVES [01]
DA December 1, 1974
RT Magnons

SPINACH [01]
DA December 1, 1974
BT1 Magnoliopsida
BT2 Magnoliophyta
BT3 Plants
BT1 Vegetables
BT2 Food
BT2 Plants

SPINAL CORD [01]
DA December 1, 1974
BT1 Central Nervous System
BT2 Nervous System
RT Ganglions
RT Myelitis
RT Reflexes
RT Vertebrae

Spine
DA December 1, 1974
USE Vertebrae

SPINELS [01]
DA December 1, 1974
BT1 Oxide Minerals
BT2 Minerals
RT Aluminium Oxides
RT Magnesium Oxides
RT Magnetite

SPINOR FIELDS [01]
DA May 1, 1978
RT Quantum Field Theory

Spinor Symmetry
DA December 26, 1984
USE Boson-Fermion Symmetry

SPINORS [01]
DA December 1, 1974
RT Spin
RT Vectors

SPIPERONE
DA April 24, 1987
BT1 Autonomic Nervous System Agents
BT2 Drugs
RT Dopamine

SPIRAL CONFIGURATION [01]
DA December 1, 1974
BT1 Configuration

Spiral Orbit Spectrometers
DA December 1, 1974
USE Flat Magnetic Spectrometers

SPIRAL READER DIGITIZERS [01]
DA December 1, 1974
BT1 Digitizers
BT2 Signal Conditioners
BT3 Pulse Circuits
BT4 Electronic Circuits

SPIROCHAETES [01]
DA December 1, 1974
BT1 Bacteria
BT2 Microorganisms
RT Syphilis

Spitzer Self-Collision Time Theory
DA December 1, 1974
USE Spitzer Theory

SPITZER THEORY [01]
DA December 1, 1974
UF *Spitzer Self-Collision Time Theory*
UF *Spitzer Value*
RT Plasma
RT Transport Theory

Spitzer Value
DA December 1, 1974
USE Spitzer Theory

SPLAT COOLING [01]
DA December 1, 1974
BT1 Cooling
RT Quench Hardening

SPLEEN [01]
DA December 1, 1974
BT1 Organs
BT2 Body
RT Abdomen
RT Blood Circulation
RT Blood Formation
RT Immune System Diseases
RT Lymphatic System
RT Macrophages
RT Peritoneum
RT Reticuloendothelial System
RT Spleen Cells
RT Spleen Colony Formation
RT Splenectomy
RT Splenomegaly

SPLEEN CELLS [01]
DA December 1, 1974
BT1 Somatic Cells
BT2 Animal Cells
RT Spleen

SPLEEN COLONY FORMATION [01]
DA December 1, 1974
BT1 Colony Formation
RT Blood Formation
RT CFU
RT Chimeras
RT Radiation Chimeras
RT Spleen

SPLENECTOMY [01]
DA December 1, 1974
BT1 Surgery
BT2 Medicine
RT Lymphatic System
RT Spleen

SPLENOMEGALY [01]
DA December 1, 1974
BT1 Pathological Changes
BT1 Symptoms
RT Hemic Diseases
RT Leukemia
RT Spleen

SPLINE FUNCTIONS [01]
DA October 19, 1978
BT1 Functions
RT Interpolation
RT Mathematics
RT Polynomials
RT Series Expansion

Split Dose Irradiation
DA December 1, 1974
USE Fractionated Irradiation

SPLIT TABLE REACTOR [01]
DA December 1, 1974
UF *STR Reactor (Split Table)*
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

SPOIL BANKS [01]
DA March 22, 1976
RT Acid Mine Drainage
RT Dredge Spoil
RT Land Reclamation
RT Mineral Wastes
RT Solid Wastes
DEF Banks of disturbed earth, mine wastes, tailings, etc.

SPONDYLITIS [01]
DA December 1, 1974
UF *Ankylosing Spondylitis*
BT1 Rheumatic Diseases
BT2 Skeletal Diseases
BT3 Diseases
RT Vertebrae

SPONTANEOUS COMBUSTION
DA August 19, 1975

BT1 Combustion
BT2 Oxidation
BT3 Chemical Reactions
BT2 Thermochemical Processes
RT Explosions
RT Fire Hazards
RT Fire Prevention
RT Fires

SPONTANEOUS FISSION [01]
DA December 1, 1974
BT1 Fission
BT2 Nuclear Reactions
BT1 Nuclear Decay
BT2 Decay
RT Fission Isomers
RT Oklo Phenomenon
RT Spontaneous Fission Radioisotopes

→**SPONTANEOUS FISSION RADIOISOTOPES [01]**
DA July 25, 1991
BT1 Radioisotopes
BT2 Isotopes
NT1 Americium 237
NT1 Americium 238
NT1 Americium 239
NT1 Americium 240
NT1 Americium 241
NT1 Americium 242
NT1 Americium 243
NT1 Americium 244
NT1 Americium 245
NT1 Americium 246
NT1 Berkelium 242
NT1 Berkelium 243
NT1 Berkelium 244
NT1 Berkelium 245
NT1 Berkelium 249
NT1 Californium 246
NT1 Californium 248
NT1 Californium 249
NT1 Californium 250
NT1 Californium 252
NT1 Californium 254
NT1 Californium 256
NT1 Curium 240
NT1 Curium 241
NT1 Curium 242
NT1 Curium 243
NT1 Curium 244
NT1 Curium 245
NT1 Curium 246
NT1 Curium 248
NT1 Curium 250
NT1 Einsteinium 253
NT1 Einsteinium 254
NT1 Einsteinium 255
NT1 Element 104 253
NT1 Element 104 254
NT1 Element 104 255
NT1 Element 104 256
NT1 Element 104 258
NT1 Element 104 259
NT1 Element 104 260
NT1 Element 104 261
NT1 Element 104 262
NT1 Element 105 255
NT1 Element 105 257
NT1 Element 105 259
NT1 Element 105 260
NT1 Element 105 261
NT1 Element 105 262
NT1 Element 105 263
NT1 Element 106 259
NT1 Element 106 260
NT1 Element 106 263
NT1 Element 107 261
NT1 Fermium 242
NT1 Fermium 244
NT1 Fermium 246
NT1 Fermium 248
NT1 Fermium 250
NT1 Fermium 252
NT1 Fermium 254
NT1 Fermium 255
NT1 Fermium 256
NT1 Fermium 257
NT1 Fermium 258
NT1 Fermium 259
NT1 Mendelevium 259
NT1 Neptunium 237
NT1 Nobelium 250
NT1 Nobelium 252
NT1 Nobelium 254
NT1 Nobelium 256
NT1 Nobelium 258
NT1 Plutonium 235
NT1 Plutonium 236
NT1 Plutonium 237
NT1 Plutonium 238
NT1 Plutonium 239
NT1 Plutonium 240
NT1 Plutonium 241
NT1 Plutonium 242
NT1 Plutonium 243
NT1 Plutonium 244
NT1 Thorium 230
NT1 Thorium 232
NT1 Uranium 232
NT1 Uranium 233
NT1 Uranium 234
NT1 Uranium 235
NT1 Uranium 236
NT1 Uranium 238
RT Spontaneous Fission

SPONTANEOUS MUTATIONS [01]
DA May 1, 1978
UF *Natural Mutations*
BT1 Mutations

Spontaneous Potential Logging
DA June 7, 1976
USE SP Logging

SPORADIC E [01]
DA December 1, 1974
BT1 E Region
BT2 Ionosphere
BT3 Earth Atmosphere
BT3 Planetary Ionospheres

SPORES [01]
DA December 1, 1974
NT1 Bacterial Spores
NT1 Conidia
NT1 Microspores
RT Fungi
RT Reproduction

SPOROZOA [01]
DA June 17, 1981
BT1 Protozoa
BT2 Invertebrates
BT3 Animals
BT2 Microorganisms
NT1 Babesidae
NT1 Plasmodium

SPOT MARKET [01]
DA December 10, 1979
UF *Rotterdam Spot Market*
BT1 Market
RT Economics
RT Prices
RT Supply and Demand

SPR-2 REACTOR [01]
(Sandia Laboratories, Albuquerque, New Mexico.)
DA December 1, 1974
UF *Sandia Pulsed Reactor-II*
UF *SPR-II Reactor*
BT1 Pulsed Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

SPR-3 REACTOR [01]
(Sandia Laboratories, Albuquerque, New Mexico, USA.)
DA December 1, 1974
BT1 Pulsed Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors

SPR-4 REACTOR [01]
DA August 11, 1982
UF *Sandia Pulse Reactor-4*
BT1 Pulsed Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors

SPR-II Reactor
DA December 1, 1974
USE SPR-2 Reactor

SPRAY COATING [01]
DA December 1, 1974
UF *Metal Spraying*
BT1 Surface Coating
BT2 Deposition
NT1 Flame Spraying
NT1 Plasma Arc Spraying
RT Sprayed Coatings

SPRAY COOLING [01]
DA November 1, 1976
BT1 Cooling

SPRAY DRYING [01]
DA December 1, 1974
BT1 Drying
RT Dry Scrubbers
RT Evaporation

Spray Ponds
DA April 29, 1975
USE Cooling Ponds
AND Sprays

Spray Systems (Containment)
DA December 1, 1974
USE Containment Spray Systems

SPRAYED COATINGS [01]
DA December 1, 1974
BT1 Coatings
RT Spray Coating

SPRAYS [01]
DA December 1, 1974
UF *Fog (Sprays)*
UF+ *Spray Ponds*
RT Atomization
RT Dispersions
RT Droplets
RT Spargers
RT Washout

SPREAD F [01]
DA December 1, 1974
BT1 F Region
BT2 Ionosphere
BT3 Earth Atmosphere
BT3 Planetary Ionospheres

→**SPRING-8 STORAGE RING [01]**
DA October 9, 1990
BT1 Storage Rings
BT1 Synchrotron Radiation Sources
BT2 Radiation Sources

SPRINGS [01]
(Mechanical springs only.)
DA December 1, 1974
BT1 Machine Parts
RT Mechanical Vibrations
RT Torsion

Springs (Water)
DA June 6, 1980
USE Water Springs

SPROUT INHIBITION [01]
DA December 1, 1974
BT1 Inhibition
RT Onions
RT Potatoes
RT Storage Life

SPROUTING [01]
DA December 1, 1974
RT Plant Growth
RT Plants
RT Vernalization

SPRUCES [01]
DA March 23, 1983
BT1 Conifers
BT2 Pinophyta
BT3 Plants
BT1 Trees
BT2 Plants

SPUR Reactor
DA February 20, 1975
USE Space Power Reactors
DEF Space Power Unit Reactor, 300 KW.

SPURIONS [01]
DA December 1, 1974
BT1 Postulated Particles
BT2 Elementary Particles
BT1 Strange Particles
BT2 Elementary Particles
RT Selection Rules

SPUTTER-ION PUMPS [01]
DA June 16, 1975
BT1 Vacuum Pumps
BT2 Laboratory Equipment
BT3 Equipment
BT2 Pumps
RT Getters
RT Penning Discharges
RT Philips Gages
RT Sputtering
RT Ultrahigh Vacuum

SPUTTERING [01]
DA December 1, 1974
NT1 Cathode Sputtering
NT1 Neutron Sputtering
RT Arc Welding
RT Deposition
RT Ion Beams
RT Sputter-Ion Pumps
RT Vacuum Coating
RT Vapor Deposited Coatings

SQUALANE [01]
DA December 1, 1974
BT1 Alkanes
BT2 Hydrocarbons
BT3 Organic Compounds

SQUALENE [01]
DA December 1, 1974
BT1 Polyenes
BT2 Hydrocarbons
BT3 Organic Compounds
BT1 Terpenes
BT2 Organic Compounds

SQUARE CONFIGURATION [01]
DA December 1, 1974
BT1 Rectangular Configuration
BT2 Configuration

Square-Wave Generators
DA December 1, 1974
USE Function Generators

SQUARE-WELL POTENTIAL [01]
DA December 1, 1974
BT1 Nuclear Potential
BT2 Potentials

SQUARYLIUM DYES
DA May 3, 1979
BT1 Dyes
RT Aromatics
RT Heterocyclic Compounds
RT Organic Nitrogen Compounds

SQUID DEVICES [01]
(Superconducting Quantum Interference Devices)
DA December 1, 1974
UF *Superconducting Quantum Interference Devices*
BT1 Fluxmeters
BT2 Measuring Instruments
BT1 Microwave Equipment
BT2 Electronic Equipment
BT3 Equipment
BT1 Superconducting Devices
RT Interferometers
RT RF Systems
RT Superconductors

SQUIRRELS [01]
DA December 1, 1974
BT1 Rodents
BT2 Mammals
BT3 Vertebrates
BT4 Animals
RT Chipmunks

SR-0F Reactor
(Prior to June 1991 this was a valid descriptor.)
DA January 22, 1975
USE Zero Power Reactors

SR-1 REACTOR [01]
DA December 1, 1974
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors

SR-3P REACTOR [01]
DA September 11, 1975
BT1 Thermal Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Water Cooled Reactors
BT2 Reactors

SR-305 REACTOR [01]
DA December 1, 1974
UF *Savannah River Test Pile-305*
BT1 Graphite Moderated Reactors
BT2 Reactors
BT1 Production Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

SR-OA REACTOR [01]
(Skoda National Corporations, Plzen, Czechoslovakia.)
DA December 1, 1974
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

SR-OB Reactor
DA June 30, 1975
USE Subcritical Assemblies

SRC-II PROCESS
DA August 24, 1977
BT1 Coal Liquefaction
BT2 Liquefaction
BT3 Thermochemical Processes
RT SRC Process
DEF Modified SRC process with higher field of liquid and gaseous products which are recovered by vacuum distillation.

SRC PROCESS
DA January 24, 1975
UF *Pittsburg-Midway Solvent Refined Coal Process*
UF *Solvent-Refined Coal Process*
SF *Solvent-Refining Coal Plants*
RT Solvent-Refined Coal
RT SRC-II Process

SRE REACTOR [01]
DA December 1, 1974
UF *Sodium Reactor Experiment*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Experimental Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 SGR Type Reactors
BT2 Graphite Moderated Reactors
BT3 Reactors
BT2 Sodium Cooled Reactors
BT3 Liquid Metal Cooled Reactors
BT4 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Thorium Reactors
BT2 Reactors

SRI LANKA [01]
DA December 1, 1974
UF *Ceylon*
BT1 Asia
BT1 Developing Countries
BT1 Islands

Sriracha Reactor
DA April 9, 1985
USE Ao-Phai-1 Reactor

SRM
(Standard Reference Materials)
DA November 8, 1984
USE Calibration Standards

SRRC-UTR-100 REACTOR [01]
DA December 1, 1974
UF *Scottish Research Reactor Center UTR-100 Reactor*
BT1 Argonaut Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors

SSDL [01]
DA August 12, 1980
UF *Secondary Standard Dosimetry Laboratories*
RT Calibration Standards
RT Dosimetry

ST LAWRENCE RIVER [01]
DA August 25, 1976
UF *Saint Lawrence River*
BT1 Rivers
BT2 Streams
BT3 Surface Waters
RT New York
RT Ontario
RT Quebec

ST TOKAMAK [01]
DA December 1, 1974
UF *Tokamak Model ST*
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

Staat Amt Atomsicherheit und Strahlenschutz
DA August 9, 1985
USE Bundesamt Fuer Strahlenschutz

STABILITY [01]
DA December 1, 1974
NT1 Orbit Stability
NT1 Phase Stability
NT1 Reactor Stability
NT1 Slope Stability
RT Equilibrium
RT Instability
RT Stabilization
RT Thixotropy

Stability (Reactor)
DA December 1, 1974
USE Reactor Stability

STABILIZATION
DA January 24, 1975
RT Inhibition
RT Stability
RT VAR Control Systems

STABILIZED SUPERCONDUCTORS [01]
DA December 1, 1974
BT1 Superconductors

STABLE ISOTOPES [01]
(For specific terms, consult the Appendix.)
DA December 1, 1974
BT1 Isotopes
NT1 Aluminium 27
NT1 Antimony 121
NT1 Antimony 123
NT1 Argon 36
NT1 Argon 38
NT1 Argon 40
NT1 Arsenic 75
NT1 Barium 130
NT1 Barium 132
NT1 Barium 134
NT1 Barium 135
NT1 Barium 136
NT1 Barium 137
NT1 Barium 138
NT1 Beryllium 9
NT1 Bismuth 209
NT1 Boron 10
NT1 Boron 11
NT1 Bromine 79
NT1 Bromine 81
NT1 Cadmium 106
NT1 Cadmium 108
NT1 Cadmium 110
NT1 Cadmium 111
NT1 Cadmium 112
NT1 Cadmium 113
NT1 Cadmium 114
NT1 Cadmium 116
NT1 Calcium 40
NT1 Calcium 42
NT1 Calcium 43
NT1 Calcium 44
NT1 Calcium 46
NT1 Calcium 48
NT1 Carbon 12
NT1 Carbon 13
NT1 Cerium 136
NT1 Cerium 138
NT1 Cerium 140
NT1 Cerium 142
NT1 Cesium 133
NT1 Chlorine 35
NT1 Chlorine 37
NT1 Chromium 50
NT1 Chromium 52
NT1 Chromium 53
NT1 Chromium 54
NT1 Cobalt 59
NT1 Copper 63
NT1 Copper 65
NT1 Deuterium
NT1 Dysprosium 156
NT1 Dysprosium 158
NT1 Dysprosium 160
NT1 Dysprosium 161
NT1 Dysprosium 162
NT1 Dysprosium 163
NT1 Dysprosium 164
NT1 Erbium 162
NT1 Erbium 164
NT1 Erbium 166
NT1 Erbium 167
NT1 Erbium 168
NT1 Erbium 170
NT1 Europium 151
NT1 Europium 153
NT1 Fluorine 14
NT1 Fluorine 19
NT1 Gadolinium 154
NT1 Gadolinium 155
NT1 Gadolinium 156
NT1 Gadolinium 157
NT1 Gadolinium 158
NT1 Gadolinium 160
NT1 Gallium 69
NT1 Gallium 71
NT1 Germanium 70
NT1 Germanium 72
NT1 Germanium 73
NT1 Germanium 74
NT1 Germanium 76
NT1 Gold 197
NT1 Hafnium 176
NT1 Hafnium 177
NT1 Hafnium 178
NT1 Hafnium 179
NT1 Hafnium 180
NT1 Helium 3
NT2 Helium 3 A
NT2 Helium 3 A1
NT2 Helium 3 B
NT1 Helium 4
NT2 Helium I
NT2 Helium II
NT1 Holmium 165
NT1 Hydrogen 1
NT1 Indium 113
NT1 Iodine 127
NT1 Iridium 191
NT1 Iridium 193
NT1 Iron 54
NT1 Iron 56
NT1 Iron 57
NT1 Iron 58
NT1 Krypton 78
NT1 Krypton 80
NT1 Krypton 82
NT1 Krypton 83
NT1 Krypton 84
NT1 Krypton 86
NT1 Lanthanum 139
NT1 Lead 206
NT1 Lead 207
NT1 Lead 208
NT1 Lithium 6
NT1 Lithium 7
NT1 Lutetium 175
NT1 Magnesium 24
NT1 Magnesium 25
NT1 Magnesium 26
NT1 Manganese 55
NT1 Mercury 196
NT1 Mercury 198
NT1 Mercury 199
NT1 Mercury 200
NT1 Mercury 201
NT1 Mercury 202
NT1 Mercury 204
NT1 Molybdenum 92
NT1 Molybdenum 94
NT1 Molybdenum 95
NT1 Molybdenum 96
NT1 Molybdenum 97
NT1 Molybdenum 98
NT1 Molybdenum 100
NT1 Neodymium 142
NT1 Neodymium 143
NT1 Neodymium 145
NT1 Neodymium 146
NT1 Neodymium 148
NT1 Neodymium 150
NT1 Neon 20
NT1 Neon 21
NT1 Neon 22
NT1 Nickel 58
NT1 Nickel 60
NT1 Nickel 61
NT1 Nickel 62
NT1 Nickel 64
NT1 Niobium 93
NT1 Nitrogen 14
NT1 Nitrogen 15
NT1 Osmium 184
NT1 Osmium 186
NT1 Osmium 187
NT1 Osmium 188
NT1 Osmium 189
NT1 Osmium 190
NT1 Osmium 192
NT1 Oxygen 16
NT1 Oxygen 17
NT1 Oxygen 18
NT1 Palladium 102
NT1 Palladium 104
NT1 Palladium 105
NT1 Palladium 106
NT1 Palladium 108
NT1 Palladium 110
NT1 Phosphorus 31
NT1 Platinum 194
NT1 Platinum 195
NT1 Platinum 196
NT1 Platinum 198
NT1 Potassium 39
NT1 Potassium 41
NT1 Praseodymium 141
NT1 Rhenium 185
NT1 Rhenium 187
NT1 Rhodium 103
NT1 Rubidium 85
NT1 Ruthenium 96
NT1 Ruthenium 98
NT1 Ruthenium 99
NT1 Ruthenium 100
NT1 Ruthenium 101
NT1 Ruthenium 102
NT1 Ruthenium 104
NT1 Samarium 144
NT1 Samarium 148
NT1 Samarium 149
NT1 Samarium 150
NT1 Samarium 152
NT1 Samarium 154
NT1 Scandium 45
NT1 Selenium 74
NT1 Selenium 76
NT1 Selenium 77
NT1 Selenium 78
NT1 Selenium 80
NT1 Selenium 82
NT1 Silicon 28
NT1 Silicon 29
NT1 Silicon 30
NT1 Silver 107
NT1 Silver 109
NT1 Sodium 23
NT1 Strontium 84
NT1 Strontium 86
NT1 Strontium 87
NT1 Strontium 88
NT1 Sulfur 32
NT1 Sulfur 33
NT1 Sulfur 34
NT1 Sulfur 36
NT1 Tantalum 181
NT1 Tellurium 120
NT1 Tellurium 122
NT1 Tellurium 123
NT1 Tellurium 124
NT1 Tellurium 125
NT1 Tellurium 126
NT1 Tellurium 128
NT1 Tellurium 130
NT1 Terbium 159
NT1 Thallium 203
NT1 Thallium 205
NT1 Thulium 169
NT1 Tin 112
NT1 Tin 114
NT1 Tin 115
NT1 Tin 116
NT1 Tin 117
NT1 Tin 118
NT1 Tin 119
NT1 Tin 120
NT1 Tin 122
NT1 Tin 124
NT1 Titanium 46
NT1 Titanium 47
NT1 Titanium 48
NT1 Titanium 49
NT1 Titanium 50
NT1 Tungsten 180
NT1 Tungsten 182
NT1 Tungsten 183

NT1 Tungsten 184
NT1 Tungsten 186
NT1 Vanadium 51
NT1 Xenon 124
NT1 Xenon 126
NT1 Xenon 128
NT1 Xenon 129
NT1 Xenon 130
NT1 Xenon 131
NT1 Xenon 132
NT1 Xenon 134
NT1 Xenon 136
NT1 Ytterbium 168
NT1 Ytterbium 170
NT1 Ytterbium 171
NT1 Ytterbium 172
NT1 Ytterbium 173
NT1 Ytterbium 174
NT1 Ytterbium 176
NT1 Yttrium 89
NT1 Zinc 64
NT1 Zinc 66
NT1 Zinc 67
NT1 Zinc 68
NT1 Zinc 70
NT1 Zirconium 90
NT1 Zirconium 91
NT1 Zirconium 92
NT1 Zirconium 94
NT1 Zirconium 96
RT Carriers
RT Magic Nuclei
RT Translocation

STACK DISPOSAL [01]
DA December 1, 1974
BT1 Waste Disposal
BT2 Waste Management
BT3 Management
RT Chemical Effluents
RT Electrostatic Precipitators
RT Gaseous Wastes
RT Ground Release
RT Plumes
RT Pollution Control Equipment
RT Radioactive Effluents
RT Radioactive Waste Disposal
RT Release Limits
RT SF Nateko Process
RT Stacks

STACKING FAULTS [01]
DA December 1, 1974
BT1 Crystal Defects
BT2 Crystal Structure
RT Dislocations

STACKS [01]
DA December 1, 1974
RT Buildings
RT Draft Control Systems
RT Gaseous Wastes
RT Radioactive Clouds
RT Stack Disposal
RT Ventilation

STADE REACTOR [01]
DA December 1, 1974
UF *Kernkraftwerk Stade*
UF *KKS Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

STAGED COMBUSTION [01]
DA July 7, 1983
BT1 Combustion
BT2 Oxidation
BT3 Chemical Reactions
BT2 Thermochemical Processes
RT Air Pollution Abatement
DEF Combustion in which fuel-rich stage is followed by air-rich stage to control NOx and for other purposes.

STAGNATION [01]
DA December 1, 1974
RT Fluid Flow

STAGNATION POINT [01]
DA September 14, 1976
RT Flames
RT Fluid Mechanics
DEF Point in a field of flow about a body where the fluid particles have zero velocity with respect to the body.

STAINLESS STEEL-16-8-2
DA October 28, 1975
BT1 Stainless Steels
BT2 High Alloy Steels
BT3 Steels
BT4 Iron Base Alloys
BT5 Iron Alloys
BT6 Alloys

STAINLESS STEEL-17-4PH
DA February 15, 1978
BT1 Stainless Steels
BT2 High Alloy Steels
BT3 Steels
BT4 Iron Base Alloys
BT5 Iron Alloys
BT6 Alloys

STAINLESS STEEL-17-7PH [01]
DA May 29, 1979
BT1 Aluminium Alloys
BT2 Alloys
BT1 Chromium-Nickel Steels
BT2 Chromium Alloys
BT3 Alloys
BT2 Nickel Alloys
BT3 Alloys
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys
BT1 Stainless Steels
BT2 High Alloy Steels
BT3 Steels
BT4 Iron Base Alloys
BT5 Iron Alloys
BT6 Alloys

Stainless steel-18-4-1
(Prior to 1989 this was a valid descriptor.)
DA November 23, 1979
USE Stainless Steels

STAINLESS STEEL-18-8
DA December 1, 1974
BT1 Steel-Cr18Ni8
BT2 Austenitic Steels
BT3 Steels
BT4 Iron Base Alloys
BT5 Iron Alloys
BT6 Alloys
BT2 Chromium-Nickel Steels
BT3 Chromium Alloys
BT4 Alloys
BT3 Nickel Alloys
BT4 Alloys
BT3 Stainless Steels
BT4 High Alloy Steels
BT5 Steels
BT6 Iron Base Alloys
BT7 Iron Alloys
BT8 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials

STAINLESS STEEL-18-10
DA May 29, 1979
BT1 Steel-Cr18Ni10
BT2 Austenitic Steels
BT3 Steels
BT4 Iron Base Alloys
BT5 Iron Alloys
BT6 Alloys
BT2 Chromium-Nickel Steels
BT3 Chromium Alloys
BT4 Alloys
BT3 Nickel Alloys
BT4 Alloys
BT3 Stainless Steels
BT4 High Alloy Steels
BT5 Steels
BT6 Iron Base Alloys
BT7 Iron Alloys
BT8 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Croloy
BT3 Steels
BT4 Iron Base Alloys
BT5 Iron Alloys
BT6 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials

Stainless Steel-19-9DL
(Prior to 1989 this was a valid descriptor.)
DA December 1, 1974
USE Stainless Steels

STAINLESS STEEL-20-25
DA December 1, 1974
BT1 Steel-Ni25Cr20
BT2 Austenitic Steels
BT3 Steels
BT4 Iron Base Alloys
BT5 Iron Alloys
BT6 Alloys
BT2 Chromium-Nickel Steels
BT3 Chromium Alloys
BT4 Alloys
BT3 Nickel Alloys
BT4 Alloys
BT3 Stainless Steels
BT4 High Alloy Steels
BT5 Steels
BT6 Iron Base Alloys
BT7 Iron Alloys
BT8 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials

STAINLESS STEEL-21-6-9
DA December 10, 1979
UF *Nitronic 40*
BT1 Steel-Cr21Mn9Ni6
BT2 Austenitic Steels
BT3 Steels
BT4 Iron Base Alloys
BT5 Iron Alloys
BT6 Alloys
BT2 Chromium Alloys
BT3 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Manganese Alloys
BT3 Alloys
BT2 Nickel Alloys
BT3 Alloys

STAINLESS STEEL-44LN
DA March 13, 1981
BT1 Steel-Cr26Ni5Mo-L
BT2 Chromium Steels
BT3 Chromium Alloys
BT4 Alloys
BT3 Stainless Steels
BT4 High Alloy Steels
BT5 Steels
BT6 Iron Base Alloys
BT7 Iron Alloys
BT8 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys

BT3 Heat Resistant Materials
BT4 Materials
BT2 Low Carbon-High Alloy Steels
BT3 Stainless Steels
BT4 High Alloy Steels
BT5 Steels
BT6 Iron Base Alloys
BT7 Iron Alloys
BT8 Alloys
BT2 Molybdenum Alloys
BT3 Alloys
BT2 Nickel Alloys
BT3 Alloys

STAINLESS STEEL-301
DA December 1, 1974
BT1 Steel-Cr17Ni7
BT2 Austenitic Steels
BT3 Steels
BT4 Iron Base Alloys
BT5 Iron Alloys
BT6 Alloys
BT2 Chromium-Nickel Steels
BT3 Chromium Alloys
BT4 Alloys
BT3 Nickel Alloys
BT4 Alloys
BT3 Stainless Steels
BT4 High Alloy Steels
BT5 Steels
BT6 Iron Base Alloys
BT7 Iron Alloys
BT8 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys

STAINLESS STEEL-302
DA December 1, 1974
BT1 Steel-Cr18Ni9
BT2 Austenitic Steels
BT3 Steels
BT4 Iron Base Alloys
BT5 Iron Alloys
BT6 Alloys
BT2 Chromium-Nickel Steels
BT3 Chromium Alloys
BT4 Alloys
BT3 Nickel Alloys
BT4 Alloys
BT3 Stainless Steels
BT4 High Alloy Steels
BT5 Steels
BT6 Iron Base Alloys
BT7 Iron Alloys
BT8 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials

STAINLESS STEEL-303
DA October 10, 1985
BT1 Chromium-Nickel Steels
BT2 Chromium Alloys
BT3 Alloys
BT2 Nickel Alloys
BT3 Alloys
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys

STAINLESS STEEL-304
DA December 1, 1974
BT1 Steel-Cr19Ni10
BT2 Austenitic Steels
BT3 Steels
BT4 Iron Base Alloys
BT5 Iron Alloys
BT6 Alloys
BT2 Chromium-Nickel Steels
BT3 Chromium Alloys
BT4 Alloys
BT3 Nickel Alloys
BT4 Alloys
BT3 Stainless Steels
BT4 High Alloy Steels
BT5 Steels
BT6 Iron Base Alloys
BT7 Iron Alloys
BT8 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials

STAINLESS STEEL-304L
DA December 1, 1974
BT1 Steel-Cr19Ni10-L
BT2 Austenitic Steels
BT3 Steels
BT4 Iron Base Alloys
BT5 Iron Alloys
BT6 Alloys
BT2 Chromium-Nickel Steels
BT3 Chromium Alloys
BT4 Alloys
BT3 Nickel Alloys
BT4 Alloys
BT3 Stainless Steels
BT4 High Alloy Steels
BT5 Steels
BT6 Iron Base Alloys
BT7 Iron Alloys
BT8 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Low Carbon-High Alloy Steels
BT3 Stainless Steels
BT4 High Alloy Steels
BT5 Steels
BT6 Iron Base Alloys
BT7 Iron Alloys
BT8 Alloys

STAINLESS STEEL-305
DA April 19, 1976
BT1 Steel-Cr18Ni12
BT2 Austenitic Steels
BT3 Steels
BT4 Iron Base Alloys
BT5 Iron Alloys
BT6 Alloys
BT2 Chromium-Nickel Steels
BT3 Chromium Alloys
BT4 Alloys
BT3 Nickel Alloys
BT4 Alloys
BT3 Stainless Steels
BT4 High Alloy Steels
BT5 Steels
BT6 Iron Base Alloys
BT7 Iron Alloys
BT8 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials

STAINLESS STEEL-308
DA December 1, 1974
BT1 Steel-Cr20Ni11
BT2 Austenitic Steels
BT3 Steels
BT4 Iron Base Alloys
BT5 Iron Alloys
BT6 Alloys
BT2 Chromium-Nickel Steels
BT3 Chromium Alloys
BT4 Alloys
BT3 Nickel Alloys
BT4 Alloys
BT3 Stainless Steels
BT4 High Alloy Steels
BT5 Steels
BT6 Iron Base Alloys
BT7 Iron Alloys
BT8 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials

STAINLESS STEEL-308L
DA October 23, 1978
BT1 Steel-Cr20Ni11-L
BT2 Austenitic Steels
BT3 Steels
BT4 Iron Base Alloys
BT5 Iron Alloys
BT6 Alloys
BT2 Chromium-Nickel Steels
BT3 Chromium Alloys
BT4 Alloys
BT3 Nickel Alloys
BT4 Alloys
BT3 Stainless Steels
BT4 High Alloy Steels
BT5 Steels
BT6 Iron Base Alloys
BT7 Iron Alloys
BT8 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Low Carbon-High Alloy Steels
BT3 Stainless Steels
BT4 High Alloy Steels
BT5 Steels
BT6 Iron Base Alloys
BT7 Iron Alloys
BT8 Alloys

STAINLESS STEEL-309
DA December 1, 1974
BT1 Steel-Cr23Ni14
BT2 Austenitic Steels
BT3 Steels
BT4 Iron Base Alloys
BT5 Iron Alloys
BT6 Alloys
BT2 Chromium-Nickel Steels
BT3 Chromium Alloys
BT4 Alloys
BT3 Nickel Alloys
BT4 Alloys
BT3 Stainless Steels
BT4 High Alloy Steels
BT5 Steels
BT6 Iron Base Alloys
BT7 Iron Alloys
BT8 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials

STAINLESS STEEL-309S
DA April 4, 1975
BT1 Steel-Cr23Ni14
BT2 Austenitic Steels
BT3 Steels
BT4 Iron Base Alloys
BT5 Iron Alloys
BT6 Alloys
BT2 Chromium-Nickel Steels
BT3 Chromium Alloys
BT4 Alloys
BT3 Nickel Alloys
BT4 Alloys
BT3 Stainless Steels
BT4 High Alloy Steels
BT5 Steels
BT6 Iron Base Alloys
BT7 Iron Alloys
BT8 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials

STAINLESS STEEL-310
DA December 1, 1974
BT1 Steel-Cr25Ni20
BT2 Austenitic Steels
BT3 Steels
BT4 Iron Base Alloys
BT5 Iron Alloys
BT6 Alloys

BT2 Chromium-Nickel Steels
BT3 Chromium Alloys
BT4 Alloys
BT3 Nickel Alloys
BT4 Alloys
BT3 Stainless Steels
BT4 High Alloy Steels
BT5 Steels
BT6 Iron Base Alloys
BT7 Iron Alloys
BT8 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials

STAINLESS STEEL-316
DA December 1, 1974
BT1 Steel-Cr17Ni12Mo3
BT2 Austenitic Steels
BT3 Steels
BT4 Iron Base Alloys
BT5 Iron Alloys
BT6 Alloys
BT2 Chromium-Nickel-Molybdenum Steels
BT3 Chromium-Nickel Steels
BT4 Chromium Alloys
BT5 Alloys
BT4 Nickel Alloys
BT5 Alloys
BT4 Stainless Steels
BT5 High Alloy Steels
BT6 Steels
BT7 Iron Base Alloys
BT8 Iron Alloys
BT9 Alloys
BT3 Molybdenum Alloys
BT4 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials

STAINLESS STEEL-316L
DA December 1, 1974
BT1 Steel-Cr17Ni12Mo3-L
BT2 Austenitic Steels
BT3 Steels
BT4 Iron Base Alloys
BT5 Iron Alloys
BT6 Alloys
BT2 Chromium-Nickel-Molybdenum Steels
BT3 Chromium-Nickel Steels
BT4 Chromium Alloys
BT5 Alloys
BT4 Nickel Alloys
BT5 Alloys
BT4 Stainless Steels
BT5 High Alloy Steels
BT6 Steels
BT7 Iron Base Alloys
BT8 Iron Alloys
BT9 Alloys
BT3 Molybdenum Alloys
BT4 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Low Carbon-High Alloy Steels
BT3 Stainless Steels
BT4 High Alloy Steels
BT5 Steels
BT6 Iron Base Alloys
BT7 Iron Alloys
BT8 Alloys

STAINLESS STEEL-317
DA September 11, 1978
BT1 Stainless Steels
BT2 High Alloy Steels
BT3 Steels
BT4 Iron Base Alloys
BT5 Iron Alloys
BT6 Alloys

STAINLESS STEEL-318
DA December 1, 1974
BT1 Stainless Steels
BT2 High Alloy Steels
BT3 Steels
BT4 Iron Base Alloys
BT5 Iron Alloys
BT6 Alloys

STAINLESS STEEL-321
DA December 1, 1974
BT1 Steel-Cr18Ni10Ti
BT2 Austenitic Steels
BT3 Steels
BT4 Iron Base Alloys
BT5 Iron Alloys
BT6 Alloys
BT2 Chromium-Nickel Steels
BT3 Chromium Alloys
BT4 Alloys
BT3 Nickel Alloys
BT4 Alloys
BT3 Stainless Steels
BT4 High Alloy Steels
BT5 Steels
BT6 Iron Base Alloys
BT7 Iron Alloys
BT8 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Titanium Additions
BT3 Titanium Alloys
BT4 Alloys

STAINLESS STEEL-329
DA December 1, 1974
BT1 Chromium-Nickel Steels
BT2 Chromium Alloys
BT3 Alloys
BT2 Nickel Alloys
BT3 Alloys
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys

STAINLESS STEEL-330
DA July 23, 1977
BT1 Steel-Ni36Cr18
BT2 Austenitic Steels
BT3 Steels
BT4 Iron Base Alloys
BT5 Iron Alloys
BT6 Alloys
BT2 Chromium-Nickel Steels
BT3 Chromium Alloys
BT4 Alloys
BT3 Nickel Alloys
BT4 Alloys
BT3 Stainless Steels
BT4 High Alloy Steels
BT5 Steels
BT6 Iron Base Alloys
BT7 Iron Alloys
BT8 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials

STAINLESS STEEL-347
DA December 1, 1974
BT1 Steel-Cr18Ni11Nb
BT2 Austenitic Steels
BT3 Steels
BT4 Iron Base Alloys
BT5 Iron Alloys
BT6 Alloys
BT2 Chromium-Nickel Steels
BT3 Chromium Alloys
BT4 Alloys
BT3 Nickel Alloys
BT4 Alloys
BT3 Stainless Steels
BT4 High Alloy Steels
BT5 Steels
BT6 Iron Base Alloys
BT7 Iron Alloys
BT8 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Niobium Additions
BT3 Niobium Alloys
BT4 Alloys

STAINLESS STEEL-348
DA December 1, 1974
BT1 Steel-Cr18Ni11NbCo
BT2 Austenitic Steels
BT3 Steels
BT4 Iron Base Alloys
BT5 Iron Alloys
BT6 Alloys
BT2 Chromium-Nickel Steels
BT3 Chromium Alloys
BT4 Alloys
BT3 Nickel Alloys
BT4 Alloys
BT3 Stainless Steels
BT4 High Alloy Steels
BT5 Steels
BT6 Iron Base Alloys
BT7 Iron Alloys
BT8 Alloys
BT2 Cobalt Additions
BT3 Cobalt Alloys
BT4 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Niobium Additions
BT3 Niobium Alloys
BT4 Alloys

STAINLESS STEEL-403
DA December 1, 1974
BT1 Steel-Cr12
BT2 Chromium Steels
BT3 Chromium Alloys
BT4 Alloys
BT3 Stainless Steels
BT4 High Alloy Steels
BT5 Steels
BT6 Iron Base Alloys
BT7 Iron Alloys
BT8 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Martensitic Steels
BT3 Steels
BT4 Iron Base Alloys
BT5 Iron Alloys
BT6 Alloys

STAINLESS STEEL-405
DA December 1, 1974
BT1 Steel-Cr13Al
BT2 Aluminium Additions
BT3 Aluminium Alloys
BT4 Alloys
BT2 Chromium Steels
BT3 Chromium Alloys
BT4 Alloys
BT3 Stainless Steels
BT4 High Alloy Steels
BT5 Steels
BT6 Iron Base Alloys
BT7 Iron Alloys
BT8 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials

STAINLESS STEEL-406
DA December 1, 1974
BT1 Chromium Steels
BT2 Chromium Alloys
BT3 Alloys
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys

STAINLESS STEEL-410
DA December 1, 1974
BT1 Steel-Cr13
BT2 Chromium Steels
BT3 Chromium Alloys
BT4 Alloys
BT3 Stainless Steels
BT4 High Alloy Steels
BT5 Steels
BT6 Iron Base Alloys
BT7 Iron Alloys
BT8 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Croloy
BT3 Steels
BT4 Iron Base Alloys
BT5 Iron Alloys
BT6 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Martensitic Steels
BT3 Steels
BT4 Iron Base Alloys
BT5 Iron Alloys
BT6 Alloys

STAINLESS STEEL-416
DA December 1, 1974
BT1 Chromium Steels
BT2 Chromium Alloys
BT3 Alloys
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys

STAINLESS STEEL-422
DA November 1, 1976
BT1 Stainless Steels
BT2 High Alloy Steels
BT3 Steels
BT4 Iron Base Alloys
BT5 Iron Alloys
BT6 Alloys

STAINLESS STEEL-430
DA December 1, 1974
BT1 Steel-Cr16
BT2 Chromium Steels
BT3 Chromium Alloys
BT4 Alloys
BT3 Stainless Steels
BT4 High Alloy Steels
BT5 Steels
BT6 Iron Base Alloys
BT7 Iron Alloys
BT8 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Croloy
BT3 Steels
BT4 Iron Base Alloys
BT5 Iron Alloys
BT6 Alloys
BT2 Ferritic Steels
BT3 Steels
BT4 Iron Base Alloys
BT5 Iron Alloys
BT6 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials

STAINLESS STEEL-431
DA April 12, 1977
BT1 Steel-Cr16Ni
BT2 Chromium Steels
BT3 Chromium Alloys
BT4 Alloys
BT3 Stainless Steels
BT4 High Alloy Steels
BT5 Steels
BT6 Iron Base Alloys
BT7 Iron Alloys
BT8 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Martensitic Steels
BT3 Steels
BT4 Iron Base Alloys
BT5 Iron Alloys
BT6 Alloys
BT2 Nickel Alloys
BT3 Alloys

STAINLESS STEEL-440
DA December 1, 1974
BT1 Steel-Cr17Mo
BT2 Chromium Steels
BT3 Chromium Alloys
BT4 Alloys
BT3 Stainless Steels
BT4 High Alloy Steels
BT5 Steels
BT6 Iron Base Alloys
BT7 Iron Alloys
BT8 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Martensitic Steels
BT3 Steels
BT4 Iron Base Alloys
BT5 Iron Alloys
BT6 Alloys
BT2 Molybdenum Additions
BT3 Molybdenum Alloys
BT4 Alloys

STAINLESS STEEL-446
DA December 1, 1974
BT1 Steel-Cr25
BT2 Chromium Steels
BT3 Chromium Alloys
BT4 Alloys
BT3 Stainless Steels
BT4 High Alloy Steels
BT5 Steels
BT6 Iron Base Alloys
BT7 Iron Alloys
BT8 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Ferritic Steels
BT3 Steels
BT4 Iron Base Alloys
BT5 Iron Alloys
BT6 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials

STAINLESS STEEL-AM-350
DA December 1, 1974
BT1 Steel-Cr17Ni4Mo3
BT2 Chromium Steels
BT3 Chromium Alloys
BT4 Alloys
BT3 Stainless Steels
BT4 High Alloy Steels
BT5 Steels
BT6 Iron Base Alloys
BT7 Iron Alloys
BT8 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Molybdenum Alloys
BT3 Alloys
BT2 Nickel Alloys
BT3 Alloys

STAINLESS STEEL-FV-548
DA May 25, 1979
BT1 Stainless Steels
BT2 High Alloy Steels
BT3 Steels
BT4 Iron Base Alloys
BT5 Iron Alloys
BT6 Alloys

STAINLESS STEEL-JBK-75
DA January 24, 1980
BT1 Nickel Alloys
BT2 Alloys
BT1 Stainless Steels
BT2 High Alloy Steels
BT3 Steels
BT4 Iron Base Alloys
BT5 Iron Alloys
BT6 Alloys
BT1 Titanium Alloys
BT2 Alloys

STAINLESS STEEL M-50
DA November 23, 1979
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Stainless Steels
BT2 High Alloy Steels
BT3 Steels
BT4 Iron Base Alloys
BT5 Iron Alloys
BT6 Alloys

STAINLESS STEEL-PH-15-7-MO
DA May 29, 1979
BT1 Chromium-Nickel Steels
BT2 Chromium Alloys
BT3 Alloys
BT2 Nickel Alloys
BT3 Alloys
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys

STAINLESS STEEL-Z2CN18-10
DA May 29, 1979
BT1 Steel-Cr18Ni10-L
BT2 Austenitic Steels
BT3 Steels
BT4 Iron Base Alloys
BT5 Iron Alloys
BT6 Alloys
BT2 Chromium-Nickel Steels
BT3 Chromium Alloys
BT4 Alloys
BT3 Nickel Alloys
BT4 Alloys
BT3 Stainless Steels
BT4 High Alloy Steels
BT5 Steels
BT6 Iron Base Alloys
BT7 Iron Alloys
BT8 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Low Carbon-High Alloy Steels
BT3 Stainless Steels
BT4 High Alloy Steels
BT5 Steels
BT6 Iron Base Alloys
BT7 Iron Alloys
BT8 Alloys

Stainless Steel-Z2CN18-10N
(Prior to 1989 this was a valid descriptor.)
DA May 29, 1979
USE Chromium-Nickel Steels

Stainless Steel-Z2CND17-12
(Prior to 1989 this was a valid descriptor.)
DA May 29, 1979
USE Steel-Cr17Ni12Mo3-L

Stainless Steel-Z3CMN18-8-6N
(Prior to 1989 this was a valid descriptor.)
DA May 29, 1979
USE Chromium-Nickel Steels

Stainless Steel-Z3CND17-12
(Prior to 1989 this was a valid descriptor.)
DA May 29, 1979
USE Steel-Cr17Ni12Mo3-L

Stainless Steel-Z3CND18-13
(Prior to 1989 this was a valid descriptor.)
DA May 29, 1979
USE Chromium-Nickel Steels

Stainless Steel-Z6CN18-10
(Prior to 1989 this was a valid descriptor.)
DA May 29, 1979
USE Steel-Cr18Ni10

Stainless Steel-Z6CND17-12
(Prior to 1989 this was a valid descriptor.)
DA May 29, 1979
USE Steel-Cr17Ni12Mo3

Stainless Steel-Z6CND17-13B
(Prior to 1989 this was a valid descriptor.)
DA May 29, 1979
USE Chromium-Nickel Steels

Stainless Steel-Z6CNDT17-13B
(Prior to 1989 this was a valid descriptor.)
DA May 29, 1979
USE Chromium-Nickel Steels

Stainless Steel-Z6CNT18-10
(Prior to 1989 this was a valid descriptor.)
DA May 29, 1979
USE Steel-Cr18Ni10Ti

Stainless Steel-Z6CNT18-12B
(Prior to 1989 this was a valid descriptor.)
DA May 29, 1979
USE Chromium-Nickel Steels

Stainless Steel-Z8CNT18-10
(Prior to 1989 this was a valid descriptor.)
DA May 29, 1979
USE Steel-Cr18Ni10Ti

STAINLESS STEEL-ZCND17-13
DA May 29, 1979
BT1 Chromium-Nickel Steels
BT2 Chromium Alloys
BT3 Alloys
BT2 Nickel Alloys
BT3 Alloys
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys
BT1 Manganese Alloys
BT2 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Silicon Additions
BT2 Silicon Alloys
BT3 Alloys
BT1 Stainless Steels
BT2 High Alloy Steels
BT3 Steels
BT4 Iron Base Alloys
BT5 Iron Alloys
BT6 Alloys

STAINLESS STEELS [01]
DA December 1, 1974
UF *Stainless steel-18-4-1*
UF *Stainless Steel-19-9DL*
UF *Steel-0Kh18G8N2T*
UF *Steel-00Kh20N32T*
UF *Steel-03Kh13AG13*
UF *Steel-000Kh25*
UF *Steel-000Kh28*
BT1 High Alloy Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
* **NT1** Chromium-Nickel Steels
* **NT1** Chromium Steels
NT1 Durco
* **NT1** Low Carbon-High Alloy Steels
NT1 Stainless Steel-16-8-2
NT1 Stainless Steel-17-4PH
NT1 Stainless Steel-17-7PH
NT1 Stainless Steel-317
NT1 Stainless Steel-318
NT1 Stainless Steel-422
NT1 Stainless Steel-FV-548
NT1 Stainless Steel-JBK-75
NT1 Stainless Steel M-50
NT1 Stainless Steel-ZCND17-13
NT1 Steel-Cr17Mn15NNi
NT2 Tenelon
NT1 Sweetalloy
NT1 Timken Alloys
RT Alloy-M-813
RT Corrosion Resistant Alloys
RT Heat Resisting Alloys

STAINS [01]
DA December 1, 1974
RT Banding Techniques
RT Cleaning
RT Dyes
RT Histological Techniques

STAMEN [01]
DA December 1, 1974
UF *Anthers*
UF *Stamen Hairs*
BT1 Flowers

Stamen Hairs
DA December 1, 1974
USE Stamen

STAND DENSITY
DA January 15, 1988
RT Forests

Standard Electroweak Model
DA March 26, 1985
USE Weinberg-Salam Gauge Model

STANDARD INDUSTRIAL CLASSIFICATION
DA August 12, 1980
BT1 Classification
RT Standards

Standard Man
DA December 1, 1974
USE Reference Man

STANDARD MODEL [01]
DA March 26, 1985
BT1 Unified Gauge Models
BT2 Particle Models
BT3 Mathematical Models
RT Electromagnetic Interactions
RT Quantum Chromodynamics
RT Quantum Electrodynamics
RT Strong Interactions
RT Weak Interactions
RT Weinberg Angle
RT Weinberg-Salam Gauge Model
DEF A local gauge theory based on an SU(3)sub c X SU(2)sub I X U(1) symmetry that describes strong, weak, and electromagnetic interactions among elementary particles.

STANDARD OF LIVING
DA October 23, 1978
UF *Living Standards*
RT Disposable Income
RT Economic Development
RT Income
RT Life Styles
RT Quality of Life
RT Standards

Standard Reference Materials
DA November 8, 1984
USE Calibration Standards

STANDARDIZATION [01]
DA June 30, 1975
RT Benchmarks
RT Calibration Standards
RT Energy Efficiency Standards
RT Quality Assurance
RT Quality Control
RT Safety Standards
RT Specifications
RT Standards
RT Standards Document

STANDARDIZED TERMINOLOGY [01]
DA December 1, 1974
UF *Controlled Terminology*
UF *Thesauri*
UF *Vocabulary (Controlled)*
RT Information Retrieval
RT Information Systems
RT ISO
RT Machine Translations

STANDARDS [01]
DA February 6, 1975
UF+ *Automobile Efficiency Standards*
NT1 Calibration Standards
NT1 Energy Efficiency Standards
NT1 Safety Standards
NT2 Annual Limit Of Intake
NT2 Dose Limits
NT2 Maximum Acceptable Contamination
NT2 Maximum Inhalation Quantity
NT2 Maximum Permissible Activity
NT2 Maximum Permissible Body Burden
NT2 Maximum Permissible Concentration
NT2 Maximum Permissible Dose
NT2 Maximum Permissible Exposure
NT2 Maximum Permissible Intake
NT2 Maximum Permissible Level
RT Benchmarks
RT Certification
RT Compliance
RT Specifications
RT Standard Industrial Classification
RT Standard of Living
RT Standardization
RT Standards Document

STANDARDS DOCUMENT [01]
(Use only in conjunction with literary indicator W for indexing the text of national or international standards.)
DA October 23, 1987
RT ISO
RT Standardization
RT Standards

Standing Crop
DA January 28, 1977
USE Biomass

STANDING WAVES [01]
DA December 1, 1974
UF *Waves (Standing)*
RT Electromagnetic Radiation
RT Mechanical Vibrations
RT Steady-State Conditions
RT Travelling Waves
RT Wave Propagation
RT Waveguides

STANFORD 1.2-GEV LINAC
DA December 1, 1974
BT1 Linear Accelerators
BT2 Accelerators
RT Stanford Linear Accelerator Center

STANFORD 20-GEV LINAC [01]
DA December 1, 1974
BT1 Linear Accelerators
BT2 Accelerators
RT Stanford Linear Accelerator Center
RT Stanford Linear Collider

STANFORD LINEAR ACCELERATOR CENTER [01]
DA December 16, 1976
BT1 US DOE
BT2 US Organizations
BT3 National Organizations
BT1 US ERDA
BT2 US Organizations
BT3 National Organizations
RT Stanford 1.2-GeV Linac
RT Stanford 20-GeV Linac
RT Stanford Linear Collider

STANFORD LINEAR COLLIDER [01]
DA June 20, 1983
UF *SLC*
BT1 Accelerator Facilities
BT1 Linear Accelerators
BT2 Accelerators
RT Stanford 20-GeV Linac
RT Stanford Linear Accelerator Center
RT Stanford Linear Collider Detector

STANFORD LINEAR COLLIDER DETECTOR [01]
(Prior to January 1992, this subject was indexed to SLC DETECTORS.)
DA January 14, 1986
UF *SLC Detectors*
SF *SLD*
RT Cherenkov Counters
RT Drift Chambers
RT Shower Counters
RT Stanford Linear Collider
DEF A detector for the SLAC Linear Collider (SLC) designed to study e^+e^- interactions up to 100 GeV.

STANLEIGH MINE [01]
DA November 30, 1982
BT1 Uranium Mines
BT2 Mines
BT3 Underground Facilities
RT Elliot Lake

STANNATES [01]
(Specific compounds, except those of significance to energy research and development, should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
DA December 1, 1974
BT1 Oxygen Compounds
BT1 Tin Compounds
NT1 Cadmium Stannates
RT Tin Oxides

STAPHYLOCOCCUS [01]
DA December 1, 1974
BT1 Bacteria
BT2 Microorganisms

STAPP THEORY [01]
DA December 1, 1974
UF *Stapp-Ypsilantis-Metropolis Theory*
RT Nucleons
RT Wave Propagation

Stapp-Ypsilantis-Metropolis Theory
DA December 1, 1974
USE Stapp Theory

STAR ACCRETION [01]
DA December 1, 1974
UF *Accretion (Stars)*
BT1 Star Evolution
RT Accretion Disks
RT Cosmic Dust
RT Cosmological Models
RT Eruptive Variable Stars
RT Interstellar Grains
RT Interstellar Space
RT Planet-System Accretion
RT Protostars
RT Stars

STAR BURNING [01]
(Astrophysical processes only.)
DA October 19, 1978
UF *Stellar Burning*
NT1 Carbon Burning
NT1 CNO Cycle
NT1 Helium Burning
NT1 Hydrogen Burning

STAR CLUSTERS [01]
DA December 1, 1974
UF *Clusters (Star)*
RT Stars

STAR EVOLUTION [01]
DA December 1, 1974
NT1 R Process
NT1 S Process
NT1 Star Accretion
RT Carbon Burning
RT CNO Cycle
RT Cosmology
RT Galactic Evolution
RT Gravitational Collapse
RT Helium Burning
RT Herbig-Haro Objects
RT Hertzsprung-Russell Diagram
RT Hydrogen Burning
RT Origin
RT Solar System Evolution
RT Star Models
RT Stars

STAR MODELS [01]
(Mathematical models of stars.)
DA December 16, 1975
UF *Models (Star)*
UF *Solar Models*
BT1 Mathematical Models
RT Carbon Burning
RT CNO Cycle
RT Hydrogen Burning
RT Star Evolution
RT Stars

STARCH [01]
DA December 1, 1974
UF *Amylum*
BT1 Polysaccharides
BT2 Saccharides
BT3 Carbohydrates
BT4 Organic Compounds
BT1 Reagents
RT Polyacetals

Starch Gum
DA December 1, 1974
USE Dextrin

STARFIRE TOKAMAK [01]
DA March 29, 1980
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

STARFISH EVENT [01]
DA December 1, 1974
BT1 Atmospheric Explosions
BT2 Explosions
BT1 Dominic Project
BT2 Nuclear Explosions
BT3 Explosions

STARK EFFECT [01]
DA December 1, 1974
RT Electric Fields
RT Line Broadening
RT Magneto-Optical Effects
RT Spectral Shift

STARK REACTOR [01]
DA December 1, 1974
UF *SAR-2 Reactor*
BT1 Argonaut Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors

STARQUAKES
DA April 19, 1976
RT Neutron Stars
RT Pulsars

STARS [01]
DA December 1, 1974
NT1 Binary Stars
NT1 Dwarf Stars
NT2 Black Dwarf Stars
NT2 Red Dwarf Stars
NT2 White Dwarf Stars
NT1 Giant Stars
NT2 Red Giant Stars
NT2 Supergiant Stars
NT1 Magnetic Stars
NT1 Main Sequence Stars
NT2 Carbon Stars
NT2 Sun
NT2 Wolf-Rayet Stars
NT1 Neutron Stars
NT1 Supermassive Stars
NT1 Symbiotic Stars
NT1 Variable Stars
NT2 Eruptive Variable Stars
NT3 Novae
NT3 Supernovae
NT3 T Tauri Stars
NT2 Pulsating Variable Stars
NT3 Cepheids
RT Astronomy
RT Black Holes
RT Carbon Burning
RT Chandrasekhar Theory
RT Nucleosynthesis
RT Planetary Nebulae
RT Proper Motion
RT Protostars
RT Quasars
RT R Process
RT S Process
RT Star Accretion
RT Star Clusters
RT Star Evolution
RT Star Models
RT Stellar Atmospheres
RT Stellar Flares
RT Stellar Winds
RT White Holes

STARSPOTS [01]
(Small regions of stellar surfaces that have a luminosity different from that of their surroundings. For the sun use SUNSPOTS.)
DA March 6, 1984
UF *Stellar Spots*
BT1 Stellar Activity
NT1 Sunspots
RT Stellar Atmospheres
RT Stellar Flares
RT Variable Stars

START-UP [01]
DA December 15, 1976
NT1 Reactor Start-Up
RT Operation

Start-Up (Reactor)
DA December 1, 1974
USE Reactor Start-Up

Starvation
DA December 1, 1974
USE Fasting

State Buildings
DA January 9, 1981
USE Public Buildings

State Diagrams
DA December 1, 1974
USE Phase Diagrams

State Enterprises
DA July 24, 1979
USE Public Enterprises

STATE GOVERNMENT [01]
DA August 9, 1977
RT Compact Commissions
RT Government Policies
RT Institutional Sector
RT Legislation
RT Local Government
RT National Government
RT Regulations
RT Social Services
RT State Officials
RT US Federal Assistance Programs

STATE OFFICIALS
DA November 23, 1979
UF *Governors*
BT1 Public Officials
RT State Government

States (Energy)
DA December 1, 1974
USE Energy Levels

Static Electricity Eliminators
DA May 19, 1976
USE Electrostatic Charge Eliminators

STATIC LOADS [01]
DA August 4, 1976
UF *Loads (Static)*
RT Deformation
RT Dynamic Loads
RT Mechanical Tests
RT Stresses

STATIC MASS SPECTROMETERS [01]
DA December 1, 1974
BT1 Mass Spectrometers
BT2 Spectrometers
BT3 Measuring Instruments

Static Reservoir Pressure
DA September 11, 1978
USE Reservoir Pressure

Stationary Low Power Plant-1
DA December 1, 1974
USE SL-1 Reactor

Stationary Medium Power Plant-1
DA December 1, 1974
USE SM-1 Reactor

Stationary Medium Power Plant-1A
DA December 1, 1974
USE SM-1A Reactor

STATIONARY POLLUTANT SOURCES [01]
(Used for general articles when sources are not named. See also specific stationary sources, e.g., Fossil-fuel Power Plants.)
DA March 8, 1977
BT1 Pollution Sources
RT Air Pollution
RT Emission
RT Mobile Pollutant Sources
RT Pollution

STATISTICAL DATA [01]
(Use only in conjunction with literary indicator labels for data flagging.)
DA July 9, 1980
BT1 Numerical Data
BT2 Data
BT3 Information
RT Probability
RT Statistics

STATISTICAL MECHANICS [01]
DA December 1, 1974
BT1 Mechanics
RT Anyons
RT BBGKY Equation
RT Boltzmann Equation
RT Boltzmann Statistics
RT Bose-Einstein Statistics
RT Ergodic Hypothesis
RT Fermi Statistics
RT Kinetic Equations
RT Kinetics
RT Kubo Formula
RT Liouville Theorem
RT Mean-Field Theory
RT Occupation Number
RT Parastatistics
RT Partition Functions

STATISTICAL MODELS [01]
DA December 1, 1974
UF *Models (Statistical)*
BT1 Mathematical Models
NT1 Feynman Gas Model
NT1 Thermodynamic Model
NT2 Hydrodynamic Model
RT Particle Models
RT Systems Analysis

STATISTICS [01]
(Limited to the indexing of information on the mathematical discipline of statistics or its application in other scientific disciplines; for indexing numerical values of a statistical nature use STATISTICAL DATA.)
DA December 1, 1974
BT1 Mathematics
NT1 Game Theory
NT1 Kriging
NT1 Multivariate Analysis
NT1 Regression Analysis
RT Data Covariances
RT Degrees of Freedom
RT Expectation Value
RT Fault Tree Analysis
RT Gauss Function
RT Maximum-Likelihood Fit
RT Probabilistic Estimation
RT Probability
RT Random Phase Approximation
RT Statistical Data
RT Stochastic Processes
RT Systems Analysis
RT Virial Theorem
RT Weighting Functions

STATOR-B DEVICE [01]
DA December 1, 1974
BT1 Internal Ring Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

STATORS [01]
DA January 24, 1975
RT Armatures
RT Rotors

STAUFFER AQUACLAUS PROCESS
DA February 20, 1975
BT1 Desulfurization
BT2 Chemical Reactions
RT Waste Processing
DEF A simple and efficient absorption method capable of reducing sulfur dioxide levels in diverse waste gas streams to low limits. All sulfur compounds in the tail gases are incinerated to sulfur dioxide which is then absorbed in the AQUACLAUS solvent.

STEADY FLOW [01]
DA December 1, 1974
SF *Perfect Flow*
BT1 Fluid Flow
RT Steady-State Conditions

STEADY-STATE CONDITIONS [01]
(Reached when all transients fade out.)
DA April 4, 1975
RT Standing Waves
RT Steady Flow
RT Steady-State Fusion Reactors
RT Transients

STEADY-STATE D-T REACTORS [01]
DA December 1, 1974
BT1 D-T Reactors
BT2 Thermonuclear Reactors
BT1 Steady-State Fusion Reactors
BT2 Thermonuclear Reactors

STEADY-STATE FUSION REACTORS [01]
DA December 1, 1974
BT1 Thermonuclear Reactors
NT1 Steady-State D-T Reactors
RT Steady-State Conditions

STEAM [01]
DA December 1, 1974
UF *Steam Coolant*
NT1 Natural Steam
RT Bosch Process
RT Coolants
RT Flash Heating
RT Flashed Steam Systems
RT Flashing
RT Mollier Diagrams
RT Rankine Cycle Engines
RT Steam Generation
RT Steam Generators
RT Steam-Iron Process
RT Steam Lines
RT Steam Quality
RT Steam Systems
RT Superheating
RT Total Flow Systems
RT Water
RT Water Vapor

STEAM CONDENSERS [01]
DA December 1, 1974
UF *Condensers (Steam)*
BT1 Vapor Condensers
BT2 Condensers
NT1 Ice Condensers
NT1 Isolation Condensers
RT Film Condensation
RT Heat Exchangers
RT Heat Transfer
RT Reactor Cooling Systems
RT Steam Separators

Steam Coolant
DA December 1, 1974
USE Steam

STEAM COOLED REACTORS [01]
DA January 22, 1975
BT1 Reactors

Steam Drive Process
DA June 7, 1976
USE Fluid Injection Processes

Steam Explosion Process
DA October 10, 1984
USE Autohydrolysis

Steam Generating Heavy Water Reactor
DA December 1, 1974
USE SGHWR Reactor

STEAM GENERATION [01]
DA October 1, 1975
NT1 Cogeneration
RT Refuse-Fueled Power Plants
RT Steam
RT Steam Generators

STEAM GENERATION PLANTS
DA June 13, 1981
RT District Heating
RT Total Energy Systems

STEAM GENERATORS [01]
DA December 1, 1974
UF *Generators (Steam)*
BT1 Vapor Generators
BT2 Boilers
RT Boiler Fuels
RT Boiling

RT Economizers
RT Feedwater
RT Heat Exchangers
RT Heat Transfer
RT Reactor Cooling Systems
RT Steam
RT Steam Generation
RT Superheaters
RT Waterwall Incinerators

STEAM INJECTION [01]
DA March 11, 1976
BT1 Fluid Injection
RT Thermal Recovery
RT Well Stimulation

STEAM-IRON PROCESS
DA January 23, 1975
BT1 Chemical Reactions
RT Hydrogen Production
RT Iron
RT Steam
DEF Reactions in multiplicity of steel cylindrical retorts for hydrogen production.

STEAM JET EJECTORS [01]
DA December 1, 1974
BT1 Vapor Jet Ejectors
RT Reactor Cooling Systems

STEAM LINES [01]
DA January 30, 1975
RT Pipe Whip
RT Pipelines
RT Reactor Cooling Systems
RT Steam
RT Steam Mufflers
RT Steam Systems
RT Steam Traps

STEAM MUFFLERS [01]
DA January 23, 1975
RT Noise
RT Steam Lines

STEAM QUALITY [01]
DA December 1, 1974
RT Steam
RT Thermodynamics

STEAM REFORMER PROCESSES
DA January 23, 1975
BT1 Reformer Processes
BT2 Chemical Reactions
NT1 Segas Process
RT Gas Recycle Hydrogenation Process
RT Gasynthan Process
RT Hydrogen Production

STEAM SEPARATORS [01]
DA December 1, 1974
UF *Separators (Steam)*
BT1 Vapor Separators
BT2 Separation Equipment
RT Flashed Steam Systems
RT Reactor Cooling Systems
RT Steam Condensers

STEAM SOAK PROCESSES
DA April 8, 1975
BT1 Fluid Injection Processes
RT Oil Sands

STEAM STRIPPING
DA December 10, 1984
BT1 Waste Processing
BT2 Processing
BT2 Waste Management
BT3 Management
BT1 Water Treatment
RT Waste Water

Steam Superheaters
DA December 1, 1974
USE Superheaters

STEAM SYSTEMS
DA January 30, 1975
BT1 Energy Systems
NT1 Flashed Steam Systems
RT Braun Standard Turbine Island
RT Reactor Cooling Systems
RT Steam
RT Steam Lines
RT Steam Traps

STEAM TRAPS
DA April 12, 1979
BT1 Traps
RT Steam Lines
RT Steam Systems
DEF A device which drains and removes condensate automatically from steam lines.

STEAM TURBINES [01]
DA December 1, 1974
BT1 Turbines
BT2 Turbomachinery
BT3 Machinery
BT4 Equipment
RT Flashed Steam Systems
RT Gas Turbines
RT Reactor Cooling Systems

STEAMBOAT SPRINGS
DA February 20, 1975
BT1 Nevada
BT2 USA
BT3 Developed Countries
BT3 North America
DEF Undeveloped geothermal field under exploration.

STEARATES
DA November 1, 1976
BT1 Carboxylic Acid Salts
RT Octadecanoic Acid

Stearic Acid
DA December 1, 1974
USE Octadecanoic Acid

Steel-0Kh16N15M3B
DA May 29, 1979
USE Steel-Cr16Ni15Mo3Nb

Steel-0Kh18G8N2T
DA June 21, 1979
USE Stainless Steels

Steel-0Kh18N9T
(Prior to December 1988 this was a valid descriptor.)
DA May 29, 1979
USE Steel-Cr18Ni9Ti

Steel-0Kh18N10T
(Prior to March 1989 this was a valid descriptor.)
DA May 29, 1979
USE Steel-Cr18Ni10Ti

Steel-0Kh19NT
(Prior to 1989 this was a valid descriptor.)
DA May 29, 1979
USE Chromium-Nickel Steels

Steel-0Kh21N5T
(Prior to March 1989 this was a valid descriptor.)
DA May 29, 1979
USE Steel-Cr21Ni5Ti

Steel-0Kh22N5T
(Prior to March 1989 this was a valid descriptor.)
DA May 30, 1979
USE Steel-Cr22Ni5Ti

Steel-1-Kh18N20T3P
(Prior to 1989 this was a valid descriptor.)
DA May 29, 1979
USE Nickel-Chromium Steels

Steel-1Kh12V2MF
(Prior to 1989 this was a valid descriptor.)
DA May 30, 1979
USE Chromium Steels

Steel-1Kh16N4B
(Prior to 1989 this was a valid descriptor.)
DA May 30, 1979
USE Chromium-Nickel Steels

Steel-1Kh16N14V2BR EhP17
(Prior to 1989 this was a valid descriptor.)
DA May 30, 1979
USE Chromium-Nickel Steels

Steel-1Kh16N15M3B
(Prior to March 1989 this was a valid descriptor.)
DA May 30, 1979
USE Steel-Cr16Ni15Mo3Nb

Steel-1Kh18N9
(Prior to December 1988 this was a valid descriptor.)
DA May 30, 1979
USE Steel-Cr18Ni9

Steel-1Kh18N9T
(Prior to December 1988 this was a valid descriptor.)
DA May 30, 1979
USE Steel-Cr18Ni9Ti

Steel-1Kh18N10T
(Prior to March 1989 this was a valid descriptor.)
DA May 30, 1979
USE Steel-Cr18Ni10Ti

Steel-2Kh8V8M2K8
(Prior to 1989 this was a valid descriptor.)
DA May 30, 1979
USE Chromium-Molybdenum Steels

Steel-2Kh13
(Prior to June 1989 this was as valid descriptor.)
DA May 30, 1979
USE Steel-Cr13

Steel-2Kh18N8V2
(Prior to 1989 this was a valid descriptor.)
DA May 30, 1979
USE Chromium-Nickel Steels

Steel-3HK5S
DA May 31, 1979
USE Steel-Cr2MoNiNb

Steel-3Kh15N13Yu3
(Prior to 1989 this was a valid descriptor.)
DA May 30, 1979
USE Chromium-Nickel Steels

Steel-4Kh12N8G8MFB
(Prior to 1989 this was a valid descriptor.)
DA May 30, 1979
USE Chromium-Nickel Steels

Steel-4Kh14NV2M
(Prior to 1989 this was a valid descriptor.)
DA May 30, 1979
USE Chromium-Nickel Steels

Steel-5Kh2MF
(Prior to March 1989 this was a valid descriptor.)
DA May 30, 1979
USE Steel-CrMoV

Steel-7Kh18N9
(Prior to December 1988 this was a valid descriptor.)
DA May 30, 1979
USE Steel-Cr18Ni9

Steel-9Kh18
(Prior to March 1989 this was a valid descriptor.)

DA May 30, 1979
USE Steel-Cr18

Steel-9KhS
(Prior to 1989 this was a valid descriptor.)
DA May 30, 1979
USE Chromium Steels

Steel-00Kh20N32T
(Prior to 1989 this was a valid descriptor.)
DA May 30, 1979
USE Stainless Steels

Steel-03Kh11N10M2T
(Prior to 1989 this was a valid descriptor.)
DA May 30, 1979
USE Steel-Cr11Ni10Mo2Ti-L

Steel-03Kh11N10M2TK6
(Prior to 1989 this was a valid descriptor.)
DA May 30, 1979
USE Chromium-Nickel Steels

Steel-03Kh13AG13
(Prior to 1989 this was a valid descriptor.)
DA May 30, 1979
USE Stainless Steels

Steel-08G2SFB
(Prior to 1989 this was a valid descriptor.)
DA May 30, 1979
USE Carbon Steels

Steel-08Kh18N10T
(Prior to 1989 this was a valid descriptor.)
DA February 11, 1982
USE Steel-Cr18Ni10Ti

STEEL-10CD9-10
DA May 30, 1979
BT1 Steel-Cr2Mo
BT2 Chromium Alloys
BT3 Alloys
BT2 Croloy
BT3 Steels
BT4 Iron Base Alloys
BT5 Iron Alloys
BT6 Alloys
BT2 Low Alloy Steels
BT3 Steels
BT4 Iron Base Alloys
BT5 Iron Alloys
BT6 Alloys
BT2 Molybdenum Additions
BT3 Molybdenum Alloys
BT4 Alloys

Steel-10CrNiNb910
DA May 30, 1979
USE Steel-Cr2MoNiNb

Steel-12Kh1MF
(Prior to March 1989 this was a valid descriptor.)
DA May 30, 1979
USE Steel-CrMoV

Steel-12Kh2MV8FB
(Prior to 1989 this was a valid descriptor.)
DA June 21, 1979
USE Steels

Steel-12Kh2NCh
(Prior to March 1989 this was a valid descriptor.)
DA May 30, 1979
USE Steel-Ni3Cr

Steel-12Kh2V5FB
(Prior to 1989 this was a valid descriptor.)
DA May 30, 1979
USE Steels

Steel-12KhM
DA May 30, 1979
USE Steel-CrMo

Steel-12KhN3
(Prior to March 1989 this was a valid descriptor.)
DA May 31, 1979
USE Steel-Ni3Cr

Steel-12KhN3A
(Prior to March 1989 this was a valid descriptor.)
DA May 30, 1979
USE Steel-Ni3Cr

Steel-15Cd9-10
(Prior to 1989 this was a valid descriptor.)
DA May 30, 1979
USE Steel-Cr2Mo

Steel-15Kh1M1F
(Prior to March 1989 this was a valid descriptor.)
DA May 30, 1979
USE Steel-CrMoV

Steel-15Kh1M1FL
(Prior to March 1989 this was a valid descriptor.)
DA May 30, 1979
USE Steel-CrMoV

Steel-15Kh2MFA
(Prior to March 1989 this was a valid descriptor.)
DA January 7, 1982
USE Steel-Cr2MoV

Steel-15KhG2SFMR
(Prior to 1989 this was a valid descriptor.)
DA May 30, 1979
USE Chromium-Molybdenum Steels

Steel-18Kh2N4VA
(Prior to March 1989 this was a valid descriptor.)
DA May 30, 1979
USE Steel-Ni4CrW

Steel-18Kh16N6
(Prior to 1989 this was a valid descriptor.)
DA May 30, 1979
USE Chromium-Nickel Steels

Steel-18MnV6
(Prior to 1989 this was a valid descriptor.)
DA June 21, 1979
USE Steels

Steel-20Kh
(Prior to March 1989 this was a valid descriptor.)
DA June 21, 1979
USE Steel-CrNi

Steel-20Kh2N2M
(Prior to 1989 this was a valid descriptor.)
DA May 30, 1979
USE Chromium-Nickel Steels

Steel-20KhMF
(Prior to 1989 this was a valid descriptor.)
DA June 21, 1979
USE Chromium-Molybdenum Steels

Steel-20KhN3MF
(Prior to 1989 this was a valid descriptor.)
DA May 30, 1979
USE Chromium-Nickel Steels

Steel-20M5
(Prior to 1989 this was a valid descriptor.)
DA June 21, 1979
USE Manganese Steels

Steel-20N14
(Prior to March 1989 this was a valid descriptor.)
DA June 21, 1979
USE Steel-Ni4

Steel-22NiMoCr37
(Prior to 1989 this was a valid descriptor.)
DA May 30, 1979
USE Steel-NiMoCr

Steel-28CdV508
(Prior to June 1989 this was a valid descriptor.)
DA May 30, 1979
USE Steel-CrMoV

Steel-30N9K4
(Prior to 1989 this was a valid descriptor.)
DA June 21, 1979
USE Nickel Steels

Steel-37KhN3T
(Prior to 1989 this was a valid descriptor.)
DA May 30, 1979
USE Nickel-Chromium Steels

Steel-38Kh5MSFA
(Prior to 1989 this was a valid descriptor.)
DA May 30, 1979
USE Chromium-Molybdenum Steels

Steel-38KhMYuA
(Prior to March 1989 this was a valid descriptor.)
DA May 30, 1979
USE Steel-CrAlNiMo

STEEL-40K14G18F [01]
DA June 21, 1979
BT1 Chromium Alloys
BT2 Alloys
BT1 Manganese Alloys
BT2 Alloys
BT1 Vanadium Alloys
BT2 Alloys

Steel-40Kh
(Prior to March 1989 this was a valid descriptor.)
DA May 30, 1979
USE Steel-CrNi

Steel-40Kh2N5SM
(Prior to 1989 this was a valid descriptor.)
DA May 30, 1979
USE Nickel-Chromium Steels

Steel-40Kh13N8G8
(Prior to March 1989 this was a valid descriptor.)
DA May 30, 1979
USE Steel-Cr13Mn8Ni8

Steel-40KhN
(Prior to March 1989 this was a valid descriptor.)
DA May 30, 1979
USE Steel-NiCr

Steel-40KhNMA
(Prior to March 1989 this was a valid descriptor.)
DA May 30, 1979
USE Steel-NiCrMo

Steel-42Kh2GSNM
(Prior to 1989 this was a valid descriptor.)
DA May 30, 1979
USE Chromium-Nickel-Molybdenum Steels

Steel-60Kh3G8N8V
(Prior to 1989 this was a valid descriptor.)
DA June 21, 1979
SEE Chromium Alloys
OR Steels

Steel-000Kh18N13
(Prior to 1989 this was a valid descriptor.)
DA May 30, 1979
USE Chromium-Nickel Steels

Steel-000Kh20N16AG6
(Prior to 1989 this was a valid descriptor.)
DA May 30, 1979
USE Chromium-Nickel Steels

Steel-000Kh20N20
(Prior to 1989 this was a valid descriptor.)
DA May 30, 1979
USE Nickel-Chromium Steels

Steel-000Kh25
(Prior to 1989 this was a valid descriptor.)
DA May 30, 1979
USE Stainless Steels

Steel-000Kh28
(Prior to 1989 this was a valid descriptor.)
DA May 30, 1979
USE Stainless Steels

STEEL-ASTM-A105
DA May 29, 1979
BT1 Carbon Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys

STEEL-ASTM-A106
DA December 1, 1974
BT1 Carbon Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys

STEEL-ASTM-A212
DA December 1, 1974
BT1 Carbon Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys

STEEL-ASTM-A285
DA December 20, 1978
UF *A 285 Steel*
BT1 Carbon Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys

STEEL-ASTM-A302
DA December 1, 1974
BT1 Steel-MnMo
BT2 Low Alloy Steels
BT3 Steels
BT4 Iron Base Alloys
BT5 Iron Alloys
BT6 Alloys
BT2 Manganese Alloys
BT3 Alloys
BT2 Molybdenum Additions
BT3 Molybdenum Alloys
BT4 Alloys

STEEL-ASTM-A350
DA December 1, 1974
BT1 Low Alloy Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Steels
BT2 Iron Base Alloys
BT3 Iron Alloys
BT4 Alloys

STEEL-ASTM-A387
DA March 27, 1979
BT1 Low Alloy Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys

STEEL-ASTM-A416
DA March 28, 1979
BT1 Carbon Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys

STEEL-ASTM-A508
DA December 1, 1974
BT1 Low Alloy Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys

STEEL-ASTM-A516
DA February 19, 1976
BT1 Carbon Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys

STEEL-ASTM-A533 [01]
DA December 1, 1974
BT1 Low Alloy Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys

STEEL-ASTM-A533-B [01]
DA December 1, 1974
BT1 Carbon Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys

STEEL-ASTM-A537
DA January 27, 1981
BT1 Steel-MnCuMo
BT2 Chromium Additions
BT3 Chromium Alloys
BT4 Alloys
BT2 Copper Additions
BT3 Copper Alloys
BT4 Alloys
BT2 Low Alloy Steels
BT3 Steels
BT4 Iron Base Alloys
BT5 Iron Alloys
BT6 Alloys
BT2 Manganese Alloys
BT3 Alloys
BT2 Molybdenum Additions
BT3 Molybdenum Alloys
BT4 Alloys
BT2 Nickel Additions
BT3 Nickel Alloys
BT4 Alloys

STEEL-ASTM-A542
DA December 1, 1974
BT1 Steel-Cr2Mo
BT2 Chromium Alloys
BT3 Alloys
BT2 Croloy
BT3 Steels
BT4 Iron Base Alloys
BT5 Iron Alloys
BT6 Alloys
BT2 Low Alloy Steels
BT3 Steels
BT4 Iron Base Alloys
BT5 Iron Alloys
BT6 Alloys
BT2 Molybdenum Additions
BT3 Molybdenum Alloys
BT4 Alloys

STEEL-ASTM-A543
DA April 4, 1975
BT1 Steel-Ni3CrMo
BT2 Chromium Alloys
BT3 Alloys
BT2 Low Alloy Steels
BT3 Steels
BT4 Iron Base Alloys
BT5 Iron Alloys
BT6 Alloys
BT2 Molybdenum Additions
BT3 Molybdenum Alloys
BT4 Alloys
BT2 Nickel Alloys
BT3 Alloys
BT2 Vanadium Additions
BT3 Vanadium Alloys
BT4 Alloys

STEEL-ASTM-A572
DA December 17, 1979
BT1 Steels
BT2 Iron Base Alloys
BT3 Iron Alloys
BT4 Alloys

STEEL-CD-4MCU
DA September 6, 1979
UF *CD-4MCu*
BT1 Chromium Alloys
BT2 Alloys
BT1 Copper Alloys
BT2 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Iron Base Alloys
BT2 Iron Alloys
BT3 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Nickel Alloys
BT2 Alloys

STEEL-CR2MO [01]
DA November 9, 1983
UF *Steel-15Cd9-10*
BT1 Chromium Alloys
BT2 Alloys
BT1 Croloy
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Low Alloy Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Molybdenum Additions
BT2 Molybdenum Alloys
BT3 Alloys
NT1 Steel-10Cd9-10
NT1 Steel-ASTM-A542

STEEL-CR2MONINB [01]
DA November 10, 1983
UF *Steel-3HK5S*
UF *Steel-10CrNiNb910*
UF *Steel-DIN-1-6770*
BT1 Chromium Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Low Alloy Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Molybdenum Additions
BT2 Molybdenum Alloys
BT3 Alloys
BT1 Nickel Additions
BT2 Nickel Alloys
BT3 Alloys
BT1 Niobium Additions
BT2 Niobium Alloys
BT3 Alloys
RT Ferrite

STEEL-CR2MOV [01]
DA November 10, 1983

UF *Steel-15Kh2MFA*
BT1 Chromium Alloys
BT2 Alloys
BT1 Copper Additions
BT2 Copper Alloys
BT3 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Low Alloy Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Molybdenum Additions
BT2 Molybdenum Alloys
BT3 Alloys
BT1 Nickel Additions
BT2 Nickel Alloys
BT3 Alloys
BT1 Vanadium Additions
BT2 Vanadium Alloys
BT3 Alloys

→**STEEL-CR2NIMOV [01]**
DA November 26, 1990
BT1 Chromium Alloys
BT2 Alloys
BT1 Copper Additions
BT2 Copper Alloys
BT3 Alloys
BT1 Low Alloy Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Molybdenum Additions
BT2 Molybdenum Alloys
BT3 Alloys
BT1 Nickel Alloys
BT2 Alloys
BT1 Vanadium Additions
BT2 Vanadium Alloys
BT3 Alloys

STEEL-CR5MO [01]
DA November 10, 1983
UF *Steel-Kh5M*
BT1 Chromium Alloys
BT2 Alloys
BT1 Croloy
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Low Alloy Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Molybdenum Additions
BT2 Molybdenum Alloys
BT3 Alloys

→**STEEL-CR9MO [01]**
DA November 26, 1990
BT1 Chromium Steels
BT2 Chromium Alloys
BT3 Alloys
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys
BT1 Ferritic Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Molybdenum Additions
BT2 Molybdenum Alloys
BT3 Alloys

STEEL-CR9MONBV [01]
DA November 19, 1983
BT1 Chromium Steels
BT2 Chromium Alloys
BT3 Alloys
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys
BT1 Ferritic Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Niobium Additions
BT2 Niobium Alloys
BT3 Alloys
BT1 Vanadium Additions
BT2 Vanadium Alloys
BT3 Alloys
NT1 Steel-Z10CdNBV9

STEEL-CR10MO2 [01]
DA November 6, 1989
BT1 Chromium Steels
BT2 Chromium Alloys
BT3 Alloys
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys
BT1 Martensitic Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
RT First Wall

STEEL-CR11NI10MO2TI-L [01]
DA November 19, 1983
UF *Steel-03Kh11N10M2T*
UF *Steel-EhP678*
UF *Steel-EhP679*
BT1 Chromium-Nickel-Molybdenum Steels
BT2 Chromium-Nickel Steels
BT3 Chromium Alloys
BT4 Alloys
BT3 Nickel Alloys
BT4 Alloys
BT3 Stainless Steels
BT4 High Alloy Steels
BT5 Steels
BT6 Iron Base Alloys
BT7 Iron Alloys
BT8 Alloys
BT2 Molybdenum Alloys
BT3 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Low Carbon-High Alloy Steels
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys
BT1 Titanium Alloys
BT2 Alloys

STEEL-CR12 [01]
DA November 19, 1983
UF *Steel-Kh12*
BT1 Chromium Steels
BT2 Chromium Alloys
BT3 Alloys
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Martensitic Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
NT1 Stainless Steel-403

→**STEEL-CR12MONIV [01]**
DA November 26, 1990
BT1 Chromium Steels
BT2 Chromium Alloys
BT3 Alloys
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Ferritic Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Molybdenum Additions
BT2 Molybdenum Alloys
BT3 Alloys
BT1 Nickel Additions
BT2 Nickel Alloys
BT3 Alloys
BT1 Vanadium Additions
BT2 Vanadium Alloys
BT3 Alloys

STEEL-CR12MOV [01]
DA November 16, 1983
UF *Steel-Kh12M*
BT1 Chromium Steels
BT2 Chromium Alloys
BT3 Alloys
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Martensitic Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Molybdenum Additions
BT2 Molybdenum Alloys
BT3 Alloys
BT1 Vanadium Additions
BT2 Vanadium Alloys
BT3 Alloys
NT1 Alloy-HT-9

STEEL-CR13 [01]
DA November 19, 1983
UF *Steel-2Kh13*
UF *Steel-Kh13*
BT1 Chromium Steels
BT2 Chromium Alloys
BT3 Alloys
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Croloy
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Martensitic Steels
BT2 Steels
BT3 Iron Base Alloys

BT4 Iron Alloys
BT5 Alloys
NT1 Stainless Steel-410

STEEL-CR13AL [01]
DA November 19, 1983
BT1 Aluminium Additions
BT2 Aluminium Alloys
BT3 Alloys
BT1 Chromium Steels
BT2 Chromium Alloys
BT3 Alloys
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
NT1 Stainless Steel-405

STEEL-CR13MN8NI8 [01]
DA November 19, 1983
UF *Steel-40Kh13N8G8*
BT1 Austenitic Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Chromium-Nickel Steels
BT2 Chromium Alloys
BT3 Alloys
BT2 Nickel Alloys
BT3 Alloys
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Manganese Alloys
BT2 Alloys

→**STEEL-CR13NI6MO-L [01]**
DA November 26, 1990
BT1 Austenitic Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Chromium-Nickel-Molybdenum Steels
BT2 Chromium-Nickel Steels
BT3 Chromium Alloys
BT4 Alloys
BT3 Nickel Alloys
BT4 Alloys
BT3 Stainless Steels
BT4 High Alloy Steels
BT5 Steels
BT6 Iron Base Alloys
BT7 Iron Alloys
BT8 Alloys
BT2 Molybdenum Alloys
BT3 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Low Carbon-High Alloy Steels
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys

STEEL-CR15NI15MOTIB [01]
DA November 19, 1983
UF *Steel-DIN-1-4970*
BT1 Austenitic Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Boron Additions
BT2 Boron Alloys
BT3 Alloys
BT1 Chromium-Nickel-Molybdenum Steels
BT2 Chromium-Nickel Steels
BT3 Chromium Alloys
BT4 Alloys
BT3 Nickel Alloys
BT4 Alloys
BT3 Stainless Steels
BT4 High Alloy Steels
BT5 Steels
BT6 Iron Base Alloys
BT7 Iron Alloys
BT8 Alloys
BT2 Molybdenum Alloys
BT3 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Titanium Additions
BT2 Titanium Alloys
BT3 Alloys

STEEL-CR16 [01]
DA November 19, 1983
BT1 Chromium Steels
BT2 Chromium Alloys
BT3 Alloys
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Croloy
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Ferritic Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
NT1 Stainless Steel-430

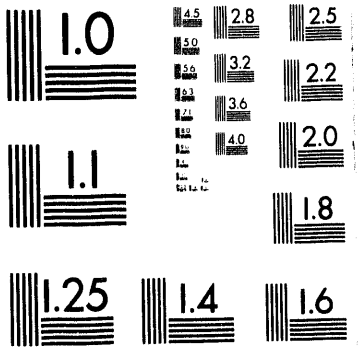
STEEL-CR16NI [01]
DA November 19, 1983
BT1 Chromium Steels
BT2 Chromium Alloys
BT3 Alloys
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Martensitic Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Nickel Alloys
BT2 Alloys
NT1 Stainless Steel-431

STEEL-CR16NI8MO2 [01]
DA November 18, 1983
BT1 Austenitic Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Chromium-Nickel-Molybdenum Steels
BT2 Chromium-Nickel Steels
BT3 Chromium Alloys
BT4 Alloys
BT3 Nickel Alloys
BT4 Alloys
BT3 Stainless Steels
BT4 High Alloy Steels
BT5 Steels
BT6 Iron Base Alloys
BT7 Iron Alloys
BT8 Alloys
BT2 Molybdenum Alloys
BT3 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials

STEEL-CR16NI13MONBV [01]
DA November 19, 1983
UF *Steel-DIN-1-4988*
BT1 Austenitic Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Chromium-Nickel-Molybdenum Steels
BT2 Chromium-Nickel Steels
BT3 Chromium Alloys
BT4 Alloys
BT3 Nickel Alloys
BT4 Alloys
BT3 Stainless Steels
BT4 High Alloy Steels
BT5 Steels
BT6 Iron Base Alloys
BT7 Iron Alloys
BT8 Alloys
BT2 Molybdenum Alloys
BT3 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Niobium Additions
BT2 Niobium Alloys
BT3 Alloys
BT1 Vanadium Additions
BT2 Vanadium Alloys
BT3 Alloys

STEEL-CR16NI15MO3NB [01]
DA November 19, 1983
UF *Steel-0Kh16N15M3B*
UF *Steel-1Kh16N15M3B*
UF *Steel-Kh16N15M3B*
BT1 Austenitic Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Chromium-Nickel-Molybdenum Steels
BT2 Chromium-Nickel Steels
BT3 Chromium Alloys
BT4 Alloys
BT3 Nickel Alloys
BT4 Alloys
BT3 Stainless Steels
BT4 High Alloy Steels
BT5 Steels
BT6 Iron Base Alloys
BT7 Iron Alloys
BT8 Alloys
BT2 Molybdenum Alloys
BT3 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Niobium Additions
BT2 Niobium Alloys
BT3 Alloys

STEEL-CR16NI16MONB [01]
DA November 19, 1983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1.6

UF *Steel-DIN-1-4981*
BT1 Austenitic Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Chromium-Nickel-Molybdenum Steels
BT2 Chromium-Nickel Steels
BT3 Chromium Alloys
BT4 Alloys
BT3 Nickel Alloys
BT4 Alloys
BT3 Stainless Steels
BT4 High Alloy Steels
BT5 Steels
BT6 Iron Base Alloys
BT7 Iron Alloys
BT8 Alloys
BT2 Molybdenum Alloys
BT3 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Niobium Additions
BT2 Niobium Alloys
BT3 Alloys

STEEL-CR17CU4NI4NB-L [01]
DA November 6, 1989
BT1 Chromium Steels
BT2 Chromium Alloys
BT3 Alloys
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys
BT1 Copper Alloys
BT2 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Low Carbon-High Alloy Steels
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys
BT1 Martensitic Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Nickel Alloys
BT2 Alloys
BT1 Niobium Additions
BT2 Niobium Alloys
BT3 Alloys

STEEL-CR17MN15NNI [01]
DA January 27, 1984
BT1 Austenitic Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Croloy
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Manganese Alloys
BT2 Alloys
BT1 Nickel Additions
BT2 Nickel Alloys
BT3 Alloys
BT1 Nitrogen Additions
BT2 Alloys
BT1 Stainless Steels
BT2 High Alloy Steels
BT3 Steels
BT4 Iron Base Alloys
BT5 Iron Alloys
BT6 Alloys
NT1 Tenelon

STEEL-CR17MO [01]
DA November 19, 1983
BT1 Chromium Steels
BT2 Chromium Alloys
BT3 Alloys
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Martensitic Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Molybdenum Additions
BT2 Molybdenum Alloys
BT3 Alloys
NT1 Stainless Steel-440

STEEL-CR17NI4CU4NB-L [01]
DA November 19, 1983
BT1 Chromium Steels
BT2 Chromium Alloys
BT3 Alloys
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys
BT1 Copper Alloys
BT2 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Low Carbon-High Alloy Steels
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys
BT1 Nickel Alloys
BT2 Alloys
BT1 Niobium Additions
BT2 Niobium Alloys
BT3 Alloys

STEEL-CR17NI4MO3 [01]
DA November 16, 1983
BT1 Chromium Steels
BT2 Chromium Alloys
BT3 Alloys
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Nickel Alloys
BT2 Alloys
NT1 Stainless Steel-AM-350

STEEL-CR17NI7 [01]
DA November 19, 1983
BT1 Austenitic Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Chromium-Nickel Steels
BT2 Chromium Alloys
BT3 Alloys
BT2 Nickel Alloys
BT3 Alloys
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
NT1 Stainless Steel-301

STEEL-CR17NI12MO3 [01]
DA November 18, 1983
UF *Stainless Steel-Z6CND17-12*
UF *Steel-DIN-1-4919*
BT1 Austenitic Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Chromium-Nickel-Molybdenum Steels
BT2 Chromium-Nickel Steels
BT3 Chromium Alloys
BT4 Alloys
BT3 Nickel Alloys
BT4 Alloys
BT3 Stainless Steels
BT4 High Alloy Steels
BT5 Steels
BT6 Iron Base Alloys
BT7 Iron Alloys
BT8 Alloys
BT2 Molybdenum Alloys
BT3 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
NT1 Stainless Steel-316

STEEL-CR17NI12MO3-L [01]
DA November 16, 1983
UF *Stainless Steel-Z2CND17-12*
UF *Stainless Steel-Z3CND17-12*
BT1 Austenitic Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Chromium-Nickel-Molybdenum Steels
BT2 Chromium-Nickel Steels
BT3 Chromium Alloys
BT4 Alloys
BT3 Nickel Alloys
BT4 Alloys
BT3 Stainless Steels
BT4 High Alloy Steels
BT5 Steels
BT6 Iron Base Alloys
BT7 Iron Alloys
BT8 Alloys
BT2 Molybdenum Alloys
BT3 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Low Carbon-High Alloy Steels
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys
NT1 Stainless Steel-316L

STEEL-CR17NI12MONB [01]
DA November 16, 1983
BT1 Austenitic Steels
BT2 Steels
BT3 Iron Base Alloys

BT4 Iron Alloys
BT5 Alloys
BT1 Chromium-Nickel-Molybdenum Steels
BT2 Chromium-Nickel Steels
BT3 Chromium Alloys
BT4 Alloys
BT3 Nickel Alloys
BT4 Alloys
BT3 Stainless Steels
BT4 High Alloy Steels
BT5 Steels
BT6 Iron Base Alloys
BT7 Iron Alloys
BT8 Alloys
BT2 Molybdenum Alloys
BT3 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Niobium Additions
BT2 Niobium Alloys
BT3 Alloys

→**STEEL-CR17NI13 [01]**
DA November 26, 1990
BT1 Austenitic Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Chromium-Nickel Steels
BT2 Chromium Alloys
BT3 Alloys
BT2 Nickel Alloys
BT3 Alloys
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials

STEEL-CR17NI13MO2TI [01]
DA November 19, 1983
UF *Steel-Kh17N13M2T*
BT1 Austenitic Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Chromium-Nickel-Molybdenum Steels
BT2 Chromium-Nickel Steels
BT3 Chromium Alloys
BT4 Alloys
BT3 Nickel Alloys
BT4 Alloys
BT3 Stainless Steels
BT4 High Alloy Steels
BT5 Steels
BT6 Iron Base Alloys
BT7 Iron Alloys
BT8 Alloys
BT2 Molybdenum Alloys
BT3 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Titanium Additions
BT2 Titanium Alloys
BT3 Alloys

STEEL-CR17NI13MO3TI [01]
DA November 19, 1983
UF *Alloy-EhI 183*
UF *Alloy-EhI 397*
UF *Alloy-EhI 432*
UF *Steel-Kh17N13M3T*
BT1 Austenitic Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Chromium-Nickel-Molybdenum Steels
BT2 Chromium-Nickel Steels
BT3 Chromium Alloys
BT4 Alloys
BT3 Nickel Alloys
BT4 Alloys
BT3 Stainless Steels
BT4 High Alloy Steels
BT5 Steels
BT6 Iron Base Alloys
BT7 Iron Alloys
BT8 Alloys
BT2 Molybdenum Alloys
BT3 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Titanium Additions
BT2 Titanium Alloys
BT3 Alloys

STEEL-CR18 [01]
DA November 19, 1983
UF *Steel-9Kh18*
UF *Steel-Kh18*
BT1 Chromium Steels
BT2 Chromium Alloys
BT3 Alloys
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Martensitic Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys

STEEL-CR18NI8 [01]
DA November 19, 1983
BT1 Austenitic Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Chromium-Nickel Steels
BT2 Chromium Alloys
BT3 Alloys
BT2 Nickel Alloys
BT3 Alloys
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
NT1 Stainless Steel-18-8

STEEL-CR18NI9 [01]
DA November 19, 1983
UF *Steel-1Kh18N9*
UF *Steel-7Kh18N9*
UF *Steel-DIN-1-4301*
UF *Steel-Kh18N9*
BT1 Austenitic Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Chromium-Nickel Steels
BT2 Chromium Alloys
BT3 Alloys
BT2 Nickel Alloys
BT3 Alloys
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
NT1 Stainless Steel-302

STEEL-CR18NI9TI [01]
DA November 19, 1983
UF *Steel-0Kh18N9T*
UF *Steel-1Kh18N9T*
UF *Steel-Kh18N9T*
BT1 Austenitic Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Chromium-Nickel Steels
BT2 Chromium Alloys
BT3 Alloys
BT2 Nickel Alloys
BT3 Alloys
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Titanium Additions
BT2 Titanium Alloys
BT3 Alloys

STEEL-CR18NI10 [01]
DA November 18, 1983
UF *Stainless Steel-Z6CN18-10*
UF *Steel-Kh18N10*
BT1 Austenitic Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Chromium-Nickel Steels
BT2 Chromium Alloys
BT3 Alloys
BT2 Nickel Alloys
BT3 Alloys
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Croloy
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
NT1 Stainless Steel-18-10

STEEL-CR18NI10-L [01]
DA November 16, 1983
BT1 Austenitic Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Chromium-Nickel Steels
BT2 Chromium Alloys
BT3 Alloys
BT2 Nickel Alloys
BT3 Alloys
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys

BT7 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Low Carbon-High Alloy Steels
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys
NT1 Stainless Steel-Z2CN18-10

STEEL-CR18NI10TI [01]
DA November 18, 1983
UF *Stainless Steel-Z6CNT18-10*
UF *Stainless Steel-Z8CNT18-10*
UF *Steel-0Kh18N10T*
UF *Steel-1Kh18N10T*
UF *Steel-08Kh18N10T*
UF *Steel-Kh18N10T*
BT1 Austenitic Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Chromium-Nickel Steels
BT2 Chromium Alloys
BT3 Alloys
BT2 Nickel Alloys
BT3 Alloys
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Titanium Additions
BT2 Titanium Alloys
BT3 Alloys
NT1 Stainless Steel-321

STEEL-CR18NI11 [01]
DA November 19, 1983
UF *Steel-DIN-1-4948*
BT1 Austenitic Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Chromium-Nickel Steels
BT2 Chromium Alloys
BT3 Alloys
BT2 Nickel Alloys
BT3 Alloys
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
NT1 Steel-X6CrNi1811

STEEL-CR18NI11NB [01]
DA November 19, 1983
BT1 Austenitic Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Chromium-Nickel Steels
BT2 Chromium Alloys
BT3 Alloys
BT2 Nickel Alloys
BT3 Alloys
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
NT1 Stainless Steel-347

STEEL-CR18NI11NBCO [01]
DA February 10, 1984
BT1 Austenitic Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Chromium-Nickel Steels
BT2 Chromium Alloys
BT3 Alloys
BT2 Nickel Alloys
BT3 Alloys
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys
BT1 Cobalt Additions
BT2 Cobalt Alloys
BT3 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Niobium Additions
BT2 Niobium Alloys
BT3 Alloys
NT1 Stainless Steel-348

STEEL-CR18NI12 [01]
DA November 19, 1983
BT1 Austenitic Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Chromium-Nickel Steels
BT2 Chromium Alloys
BT3 Alloys
BT2 Nickel Alloys
BT3 Alloys
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
NT1 Stainless Steel-305

STEEL-CR18NI12TI [01]
DA November 19, 1983
UF *Steel-Kh18N12T*
BT1 Austenitic Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Chromium-Nickel Steels
BT2 Chromium Alloys
BT3 Alloys
BT2 Nickel Alloys
BT3 Alloys
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials

STEEL-CR19NI10 [01]
DA November 19, 1983
BT1 Austenitic Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Chromium-Nickel Steels
BT2 Chromium Alloys
BT3 Alloys
BT2 Nickel Alloys
BT3 Alloys
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
NT1 Stainless Steel-304

STEEL-CR19NI10-L [01]
DA November 19, 1983
BT1 Austenitic Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Chromium-Nickel Steels
BT2 Chromium Alloys
BT3 Alloys
BT2 Nickel Alloys
BT3 Alloys
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Low Carbon-High Alloy Steels
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys
NT1 Stainless Steel-304L

STEEL-CR20NI11 [01]
DA November 19, 1983
BT1 Austenitic Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Chromium-Nickel Steels
BT2 Chromium Alloys
BT3 Alloys
BT2 Nickel Alloys
BT3 Alloys
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
NT1 Stainless Steel-308

STEEL-CR20NI11-L [01]
DA November 19, 1983
BT1 Austenitic Steels

BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Chromium-Nickel Steels
BT2 Chromium Alloys
BT3 Alloys
BT2 Nickel Alloys
BT3 Alloys
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Low Carbon-High Alloy Steels
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys
NT1 Stainless Steel-308L

STEEL-CR21MN9NI6 [01]
DA November 19, 1983
BT1 Austenitic Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Manganese Alloys
BT2 Alloys
BT1 Nickel Alloys
BT2 Alloys
NT1 Stainless Steel-21-6-9

STEEL-CR21NI5TI [01]
DA November 19, 1983
UF *Steel-0Kh21N5T*
BT1 Chromium Steels
BT2 Chromium Alloys
BT3 Alloys
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Nickel Alloys
BT2 Alloys
BT1 Titanium Additions
BT2 Titanium Alloys
BT3 Alloys

STEEL-CR22NI5TI [01]
DA November 19, 1983
UF *Steel-0Kh22N5T*
BT1 Chromium Steels
BT2 Chromium Alloys
BT3 Alloys
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Nickel Alloys
BT2 Alloys
BT1 Titanium Additions
BT2 Titanium Alloys
BT3 Alloys

STEEL-CR23NI14 [01]
DA November 19, 1983
BT1 Austenitic Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Chromium-Nickel Steels
BT2 Chromium Alloys
BT3 Alloys
BT2 Nickel Alloys
BT3 Alloys
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
NT1 Stainless Steel-309
NT1 Stainless Steel-309S

STEEL-CR23NI18 [01]
DA November 19, 1983
UF *Steel-Kh23N18*
BT1 Austenitic Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Chromium-Nickel Steels
BT2 Chromium Alloys
BT3 Alloys
BT2 Nickel Alloys
BT3 Alloys
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys

STEEL-CR25 [01]
DA November 19, 1983
UF *Steel-Kh25*
BT1 Chromium Steels
BT2 Chromium Alloys
BT3 Alloys
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Ferritic Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
NT1 Stainless Steel-446

STEEL-CR25NI20 [01]
DA November 16, 1983
UF *Alloy-CK-20*
UF *HK 40*
BT1 Austenitic Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Chromium-Nickel Steels
BT2 Chromium Alloys
BT3 Alloys
BT2 Nickel Alloys
BT3 Alloys
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
NT1 Alloy-HK-40
NT1 Stainless Steel-310

STEEL-CR26NI5MO-L [01]
DA November 19, 1983
BT1 Chromium Steels
BT2 Chromium Alloys
BT3 Alloys
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Low Carbon-High Alloy Steels
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Nickel Alloys
BT2 Alloys
NT1 Stainless Steel-44LN

STEEL-CRALNIMO [01]
DA November 10, 1983
UF *Steel-38KhMYuA*
BT1 Aluminium Additions
BT2 Aluminium Alloys
BT3 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Low Alloy Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Molybdenum Additions
BT2 Molybdenum Alloys
BT3 Alloys
BT1 Nickel Additions
BT2 Nickel Alloys
BT3 Alloys

STEEL-CRMO [01]
DA November 10, 1983
UF *Steel-12KhM*
BT1 Chromium Additions
BT2 Chromium Alloys
BT3 Alloys
BT1 Low Alloy Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Molybdenum Additions
BT2 Molybdenum Alloys
BT3 Alloys
BT1 Nickel Additions
BT2 Nickel Alloys
BT3 Alloys

STEEL-CRMOV [01]
DA November 10, 1983
UF *Steel-5Kh2MF*
UF *Steel-12Kh1MF*
UF *Steel-15Kh1M1F*
UF *Steel-15Kh1M1FL*
UF *Steel-28CdV508*
BT1 Chromium Alloys
BT2 Alloys
BT1 Copper Additions
BT2 Copper Alloys
BT3 Alloys
BT1 Low Alloy Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys

BT1 Molybdenum Additions
BT2 Molybdenum Alloys
BT3 Alloys
BT1 Nickel Additions
BT2 Nickel Alloys
BT3 Alloys
BT1 Vanadium Additions
BT2 Vanadium Alloys
BT3 Alloys

STEEL-CRNI [01]
DA November 10, 1983
UF *Steel-20Kh*
UF *Steel-40Kh*
BT1 Chromium Additions
BT2 Chromium Alloys
BT3 Alloys
BT1 Copper Additions
BT2 Copper Alloys
BT3 Alloys
BT1 Low Alloy Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Nickel Additions
BT2 Nickel Alloys
BT3 Alloys

Steel-DIN-1-4301
(Prior to December 1988 this was a valid descriptor.)
DA August 12, 1980
USE Steel-Cr18Ni9

Steel-DIN-1-4449
(Prior to 1989 this was a valid descriptor.)
DA May 29, 1979
USE Chromium-Nickel Steels

Steel-DIN-1-4919
(Prior to March 1989 this was a valid descriptor.)
DA August 12, 1980
USE Steel-Cr17Ni12Mo3

Steel-DIN-1-4948
(Equivalent to STAINLESS STEEL-304. Prior to March 1989 this was a valid descriptor.)
DA May 29, 1979
USE Steel-Cr18Ni11

Steel-DIN-1-4970
(Prior to March 1989 this was a valid descriptor.)
DA May 29, 1979
USE Steel-Cr15Ni15MoTiB

Steel-DIN-1-4981
(Prior to March 1989 this was a valid descriptor.)
DA May 29, 1979
USE Steel-Cr16Ni16MoNb

Steel-DIN-1-4988
(Prior to March 1989 this was a valid descriptor.)
DA May 29, 1979
USE Steel-Cr16Ni13MoNbV

Steel-DIN-1-6310
(Prior to March 1989 this was a valid descriptor.)
DA May 7, 1980
USE Steel-MnNiMo

Steel-DIN-1-6342
(Prior to March 1989 this was a valid descriptor.)
DA August 12, 1980
USE Steel-MnNiMoV

Steel-DIN-1-6343
(Prior to March 1989 this was a valid descriptor.)
DA August 12, 1980
USE Steel-MnNiMo

Steel-DIN-1-6348
(Prior to March 1989 this was a valid descriptor.)
DA August 12, 1980
USE Steel-Ni3MoV

Steel-DIN-1-6742
(Prior to March 1989 this was a valid descriptor.)
DA August 12, 1980
USE Steel-Ni3CrMo

Steel-DIN-1-6751
DA August 12, 1980
USE Steel-NiMoCr

Steel-DIN-1-6770
(Prior to March 1989 this was a valid descriptor.)
DA May 29, 1979
USE Steel-Cr2MoNiNb

Steel-DIN-1-6950
(Prior to March 1989 this was a valid descriptor.)
DA August 12, 1980
USE Steel-Ni3CrMoV

Steel-EhP678
(Prior to March 1989 this was a valid descriptor.)
DA June 21, 1979
USE Steel-Cr11Ni10Mo2Ti-L

Steel-EhP679
(Prior to March 1989 this was a valid descriptor.)
DA May 29, 1979
USE Steel-Cr11Ni10Mo2Ti-L

Steel-EhP699
(Prior to 1989 this was a valid descriptor.)
DA May 29, 1979
USE Chromium-Nickel-Molybdenum Steels

STEEL-IN-787
DA August 24, 1976
BT1 Carbon Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Copper Alloys
BT2 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Nickel Alloys
BT2 Alloys
BT1 Niobium Alloys
BT2 Alloys

Steel Industry
DA December 10, 1979
USE Metal Industry

Steel-Kh5M
(Prior to December 1988 this was a valid descriptor.)
DA May 29, 1979
USE Steel-Cr5Mo

Steel-Kh12
DA May 31, 1979
USE Steel-Cr12

Steel-Kh12M
DA May 29, 1979
USE Steel-Cr12MoV

Steel-Kh12N20T3P
(Prior to 1989 this was a valid descriptor.)
DA May 31, 1979
USE Nickel-Chromium Steels

Steel-Kh13
DA May 31, 1979
USE Steel-Cr13

Steel-Kh13S2Yu2BT
(Prior to 1989 this was a valid descriptor.)
DA May 29, 1979
USE Chromium Steels

Steel-Kh14K9N6M5
(Prior to 1989 this was a valid descriptor.)
DA May 29, 1979
USE Chromium-Nickel-Molybdenum Steels

Steel-Kh14N8YuM2
(Prior to 1989 this was a valid descriptor.)
DA May 29, 1979
USE Chromium-Nickel Steels

Steel-Kh15N7YuM2
(Prior to 1989 this was a valid descriptor.)
DA May 29, 1979
USE Chromium-Nickel Steels

Steel-Kh15N9Yu
(Prior to 1989 this was a valid descriptor.)
DA May 29, 1979
USE Chromium-Nickel Steels

Steel-Kh15N20M2T2
DA May 29, 1979
USE Chromium-Nickel-Molybdenum Steels

STEEL KH16N9M2 [01]
DA May 29, 1979
BT1 Chromium-Molybdenum Steels
BT1 Chromium-Nickel Steels
BT2 Chromium Alloys
BT3 Alloys
BT2 Nickel Alloys
BT3 Alloys
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys
BT1 Manganese Additions
BT2 Manganese Alloys
BT3 Alloys
BT1 Silicon Additions
BT2 Silicon Alloys
BT3 Alloys

Steel-Kh16N15M3B
DA May 29, 1979
USE Steel-Cr16Ni15Mo3Nb

Steel-Kh17N5M3
(Prior to 1989 this was a valid descriptor.)
DA May 29, 1979
USE Chromium-Nickel-Molybdenum Steels

Steel-Kh17N13M2T
DA May 29, 1979
USE Steel-Cr17Ni13Mo2Ti

Steel-Kh17N13M3T
DA May 29, 1979
USE Steel-Cr17Ni13Mo3Ti

Steel-Kh18
(Prior to December 1988 this was a valid descriptor.)
DA May 29, 1979
USE Steel-Cr18

Steel-Kh18N8
(Prior to 1989 this was a valid descriptor.)
DA May 29, 1979
USE Chromium-Nickel Steels

Steel-Kh18N9
(Prior to December 1988 this was a valid descriptor.)

DA May 29, 1979
USE Steel-Cr18Ni9

Steel-Kh18Ni9T
(Prior to December 1988 this was a valid descriptor.)
DA May 29, 1979
USE Steel-Cr18Ni9Ti

Steel-Kh18N10
(Prior to December 1988 this was a valid descriptor.)
DA May 29, 1979
USE Steel-Cr18Ni10

Steel-Kh18N10T
(Prior to December 1988 this was a valid descriptor.)
DA May 29, 1979
USE Steel-Cr18Ni10Ti

Steel-Kh18N12T
(Prior to December 1988 this was a valid descriptor.)
DA May 29, 1979
USE Steel-Cr18Ni12Ti

Steel-Kh18N22V2T2
(Prior to 1989 this was a valid descriptor.)
DA May 29, 1979
USE Nickel-Chromium Steels

Steel-Kh20N45B
(Prior to March 1989 this was a valid descriptor.)
DA May 29, 1979
USE Alloy-Ni45Fe34Cr20

Steel-Kh23N18
(Prior to December 1988 this was a valid descriptor.)
DA May 29, 1979
USE Steel-Cr23Ni18

Steel-Kh25
(Prior to December 1988 this was a valid descriptor.)
DA May 29, 1979
USE Steel-Cr25

Steel-KhN35VT
(Prior to 1989 this was a valid descriptor.)
DA May 29, 1979
USE Nickel-Chromium Steels

STEEL-MNCUMO [01]
DA November 9, 1983
BT1 Chromium Additions
BT2 Chromium Alloys
BT3 Alloys
BT1 Copper Additions
BT2 Copper Alloys
BT3 Alloys
BT1 Low Alloy Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Manganese Alloys
BT2 Alloys
BT1 Molybdenum Additions
BT2 Molybdenum Alloys
BT3 Alloys
BT1 Nickel Additions
BT2 Nickel Alloys
BT3 Alloys
NT1 Steel-ASTM-A537

STEEL-MNMO [01]
DA November 9, 1983
BT1 Low Alloy Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Manganese Alloys
BT2 Alloys
BT1 Molybdenum Additions
BT2 Molybdenum Alloys
BT3 Alloys
NT1 Steel-ASTM-A302

STEEL-MNNIMO [01]
DA November 9, 1983
UF *Steel-DIN-1-6310*
UF *Steel-DIN-1-6343*
BT1 Low Alloy Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Manganese Alloys
BT2 Alloys
BT1 Molybdenum Additions
BT2 Molybdenum Alloys
BT3 Alloys
BT1 Nickel Additions
BT2 Nickel Alloys
BT3 Alloys

STEEL-MNNIMOV [01]
DA November 10, 1983
UF *Steel-DIN-1-6342*
BT1 Low Alloy Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Manganese Alloys
BT2 Alloys
BT1 Molybdenum Additions
BT2 Molybdenum Alloys
BT3 Alloys
BT1 Nickel Alloys
BT2 Alloys
BT1 Vanadium Additions
BT2 Vanadium Alloys
BT3 Alloys

Steel-N26KhT1
(Prior to 1989 this was a valid descriptor.)
DA May 29, 1979
USE Nickel-Chromium Steels

Steel-N36KhTYu
(Prior to March 1989 this was a valid descriptor.)
DA May 29, 1979
USE Steel-Ni36Cr12Ti3Al-L

STEEL-NI3CR [01]
DA November 10, 1983
UF *Steel-12Kh2NCh*
UF *Steel-12KhN3*
UF *Steel-12KhN3A*
BT1 Chromium Additions
BT2 Chromium Alloys
BT3 Alloys
BT1 Copper Additions
BT2 Copper Alloys
BT3 Alloys
BT1 Low Alloy Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Nickel Alloys
BT2 Alloys

STEEL-NI3CRMO [01]
DA November 9, 1983
UF *Steel-DIN-1-6742*
BT1 Chromium Alloys
BT2 Alloys
BT1 Low Alloy Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Molybdenum Additions
BT2 Molybdenum Alloys
BT3 Alloys
BT1 Nickel Alloys
BT2 Alloys
BT1 Vanadium Additions
BT2 Vanadium Alloys
BT3 Alloys
NT1 Steel-ASTM-A543

STEEL-NI3CRMOV [01]
DA November 10, 1983
UF *Steel-DIN-1-6950*
BT1 Chromium Alloys
BT2 Alloys
BT1 Low Alloy Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Molybdenum Additions
BT2 Molybdenum Alloys
BT3 Alloys
BT1 Nickel Alloys
BT2 Alloys
BT1 Vanadium Additions
BT2 Vanadium Alloys
BT3 Alloys

STEEL-NI3MOV [01]
DA November 10, 1983
UF *Steel-DIN-1-6348*
BT1 Low Alloy Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Molybdenum Additions
BT2 Molybdenum Alloys
BT3 Alloys
BT1 Nickel Alloys
BT2 Alloys
BT1 Vanadium Additions
BT2 Vanadium Alloys
BT3 Alloys

STEEL-NI4 [01]
DA February 10, 1984
UF *Steel-20N14*
BT1 Low Alloy Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Nickel Alloys
BT2 Alloys

STEEL-NI4CRW [01]
DA November 10, 1983
UF *Steel-18Kh2N4VA*
BT1 Chromium Alloys
BT2 Alloys
BT1 Copper Additions
BT2 Copper Alloys
BT3 Alloys
BT1 Low Alloy Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Nickel Alloys
BT2 Alloys
BT1 Tungsten Additions
BT2 Tungsten Alloys
BT3 Alloys

→**STEEL-NI17CR14MOTI-L [01]**
DA November 26, 1990
BT1 Austenitic Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Chromium-Nickel-Molybdenum Steels
BT2 Chromium-Nickel Steels
BT3 Chromium Alloys
BT4 Alloys
BT3 Nickel Alloys
BT4 Alloys
BT3 Stainless Steels
BT4 High Alloy Steels
BT5 Steels
BT6 Iron Base Alloys
BT7 Iron Alloys
BT8 Alloys
BT2 Molybdenum Alloys
BT3 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Low Carbon-High Alloy Steels

BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys
BT1 Titanium Additions
BT2 Titanium Alloys
BT3 Alloys

STEEL-NI25CR20 [01]
DA November 19, 1983
BT1 Austenitic Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Chromium-Nickel Steels
BT2 Chromium Alloys
BT3 Alloys
BT2 Nickel Alloys
BT3 Alloys
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
NT1 Stainless Steel-20-25

STEEL-NI26CR15TI2MOVALB [01]
DA November 16, 1983
BT1 Aluminium Additions
BT2 Aluminium Alloys
BT3 Alloys
BT1 Austenitic Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Boron Additions
BT2 Boron Alloys
BT3 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Vanadium Additions
BT2 Vanadium Alloys
BT3 Alloys
NT1 Alloy-A-286

STEEL-NI35CR18MO4TI2AL [01]
DA November 16, 1983
BT1 Aluminium Alloys
BT2 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Titanium Alloys
BT2 Alloys
NT1 Alloy-M-813

STEEL-NI36CR12TI3AL-L [01]
DA November 19, 1983
UF *Steel-N36KhTYu*
BT1 Aluminium Additions
BT2 Aluminium Alloys
BT3 Alloys
BT1 Chromium-Nickel Steels
BT2 Chromium Alloys
BT3 Alloys
BT2 Nickel Alloys
BT3 Alloys
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Low Carbon-High Alloy Steels
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys
BT1 Titanium Alloys
BT2 Alloys

STEEL-NI36CR18 [01]
DA November 19, 1983
BT1 Austenitic Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Chromium-Nickel Steels
BT2 Chromium Alloys
BT3 Alloys
BT2 Nickel Alloys
BT3 Alloys
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys
BT1 Corrosion Resistant Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
NT1 Stainless Steel-330

STEEL-NICR [01]
DA November 10, 1983
UF *Steel-40KhN*
BT1 Chromium Additions
BT2 Chromium Alloys
BT3 Alloys
BT1 Copper Additions
BT2 Copper Alloys
BT3 Alloys
BT1 Low Alloy Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Nickel Alloys
BT2 Alloys

STEEL-NICRMO [01]
DA November 10, 1983
UF *Steel-40KhNMA*
BT1 Chromium Additions
BT2 Chromium Alloys
BT3 Alloys
BT1 Copper Additions
BT2 Copper Alloys
BT3 Alloys
BT1 Low Alloy Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Molybdenum Additions
BT2 Molybdenum Alloys
BT3 Alloys
BT1 Nickel Alloys
BT2 Alloys
BT1 Nitrogen Additions
BT2 Alloys

STEEL-NIMOCR [01]
DA November 10, 1983
UF *Steel-22NiMoCr37*
UF *Steel-DIN-1-6751*
BT1 Chromium Additions
BT2 Chromium Alloys
BT3 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Low Alloy Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys
BT1 Molybdenum Additions
BT2 Molybdenum Alloys
BT3 Alloys
BT1 Nickel Additions
BT2 Nickel Alloys
BT3 Alloys

Steel-R18
(Prior to 1989 this was a valid descriptor.)
DA June 21, 1979
USE Chromium Steels

STEEL-SAE-1006
DA April 13, 1977
BT1 Carbon Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys

STEEL-SAE-1045
DA June 21, 1979
BT1 Carbon Steels
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys

STEEL VNT
DA December 20, 1978
UF *VNT Alloys*
BT1 Manganese Steels
BT2 Manganese Alloys
BT3 Alloys
BT2 Steels
BT3 Iron Base Alloys
BT4 Iron Alloys
BT5 Alloys

Steel-VZh102
(Prior to 1989 this was a valid descriptor.)
DA May 29, 1979
USE Nickel-Chromium Steels

STEEL-X6CRNI1811
DA May 29, 1979
BT1 Steel-Cr18Ni11
BT2 Austenitic Steels
BT3 Steels
BT4 Iron Base Alloys
BT5 Iron Alloys
BT6 Alloys
BT2 Chromium-Nickel Steels
BT3 Chromium Alloys
BT4 Alloys
BT3 Nickel Alloys
BT4 Alloys
BT3 Stainless Steels
BT4 High Alloy Steels
BT5 Steels
BT6 Iron Base Alloys
BT7 Iron Alloys
BT8 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
RT Austenite

STEEL-Z10CDNBV9
DA May 29, 1979
BT1 Steel-Cr9MoNbV
BT2 Chromium Steels
BT3 Chromium Alloys
BT4 Alloys
BT3 Stainless Steels
BT4 High Alloy Steels
BT5 Steels
BT6 Iron Base Alloys
BT7 Iron Alloys
BT8 Alloys
BT2 Ferritic Steels
BT3 Steels
BT4 Iron Base Alloys
BT5 Iron Alloys
BT6 Alloys
BT2 Molybdenum Alloys
BT3 Alloys
BT2 Niobium Additions
BT3 Niobium Alloys
BT4 Alloys
BT2 Vanadium Additions
BT3 Vanadium Alloys
BT4 Alloys

Steel-Z10CdV7
(Prior to 1989 this was a valid descriptor.)
DA May 29, 1979
USE Chromium-Molybdenum Steels

STEELS [01]
DA December 1, 1974
UF *Steel-12Kh2MV8FB*
UF *Steel-12Kh2V5FB*
UF *Steel-18MnV6*
SF *Steel-60Kh3G8N8V*
BT1 Iron Base Alloys
BT2 Iron Alloys
BT3 Alloys
* **NT1** Austenitic Steels
* **NT1** Carbon Steels
NT1 Croloy
NT2 Steel-Cr2Mo
NT3 Steel-10Cd9-10
NT3 Steel-ASTM-A542
NT2 Steel-Cr5Mo
NT2 Steel-Cr13
NT3 Stainless Steel-410
NT2 Steel-Cr16
NT3 Stainless Steel-430
NT2 Steel-Cr17Mn15NNi
NT3 Tenelon
NT2 Steel-Cr18Ni10
NT3 Stainless Steel-18-10
* **NT1** Ferritic Steels
* **NT1** High Alloy Steels
* **NT1** Low Alloy Steels
NT1 Manganese Steels
NT2 Steel VNT
* **NT1** Martensitic Steels
NT1 Nickel Steels
NT2 Nickel-Chromium Steels
NT3 Alloy-D-9
NT3 Sweetalloy
NT1 Steel-ASTM-A350
NT1 Steel-ASTM-A572
RT Bainite
RT Cementite
RT Decarburization
RT Ferrite
RT Martensite
RT Pearlite

→**STEENSTRUPINE [01]**
DA October 22, 1991
BT1 Phosphate Minerals
BT2 Minerals
BT1 Silicate Minerals
BT2 Minerals
BT1 Thorium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials

STEIN THEORY [01]
DA December 1, 1974
RT Capture
RT Resonance Neutrons

STEK REACTOR [01]
DA December 1, 1974
UF *Krito Critical Assembly*
UF *Petten Stek Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

STELLAR ACTIVITY [01]
DA December 26, 1984
NT1 Starspots
NT2 Sunspots
NT1 Stellar Flares
NT1 Stellar Winds
RT Cosmic Radiation
RT Stellar Radiation

STELLAR ATMOSPHERES [01]
(Excludes SOLAR ATMOSPHERE.)
DA December 1, 1974
BT1 Atmospheres
NT1 Stellar Chromospheres
NT1 Stellar Coronae
NT2 Solar Corona
NT1 Stellar Magnetospheres
RT Solar Atmosphere
RT Stars
RT Starspots

Stellar Burning
DA October 19, 1978
USE Star Burning

STELLAR CHROMOSPHERES [01]
DA December 27, 1984
BT1 Stellar Atmospheres
BT2 Atmospheres

STELLAR CORONAE [01]
(For the sun use SOLAR CORONA.)
DA March 6, 1984
BT1 Stellar Atmospheres
BT2 Atmospheres
NT1 Solar Corona

STELLAR FLARES [01]
DA December 1, 1974
BT1 Stellar Activity
RT Solar Flares
RT Stars
RT Starspots
RT Stellar Winds

STELLAR MAGNETOSPHERES [01]
DA December 1, 1974
BT1 Stellar Atmospheres
BT2 Atmospheres
RT Magnetic Stars

STELLAR RADIATION [01]
DA July 29, 1975
NT1 Solar Radiation
NT2 Diffuse Solar Radiation
NT2 Direct Solar Radiation
NT2 Solar Particles
NT3 Solar Alpha Particles
NT3 Solar Electrons
NT3 Solar Neutrinos
NT3 Solar Neutrons
NT3 Solar Protons
NT2 Solar Radiowave Radiation
RT Cosmic Radiation
RT Stellar Activity

Stellar Spots
DA March 6, 1984
USE Starspots

STELLAR WINDS [01]
(Excludes SOLAR WIND.)
DA December 1, 1974
BT1 Stellar Activity
RT Solar Wind
RT Stars
RT Stellar Flares

STELLARATOR MODEL C [01]
DA December 1, 1974
BT1 Stellarators
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

STELLARATOR TYPE REACTORS
DA September 15, 1976
BT1 Thermonuclear Reactors
RT Stellarators

STELLARATORS [01]
DA December 1, 1974
UF *Pulsator Stellarator*
BT1 Closed Plasma Devices
BT2 Thermonuclear Devices
NT1 Clasp Device
NT1 Cleo Stellarator
NT1 H-1 HELIAC
NT1 Harmonica-2 Device
NT1 HELIAC Stellarators
NT2 Sheila HELIAC
NT1 IMS Stellarator
NT1 JIPP Stellarator
NT1 JIPPT-2 Device
NT1 L-2 Stellarator
NT1 Proto-Cleo Stellarators
NT1 Sirius Device
NT1 Stellarator Model C
NT1 TOR Devices
NT1 Torsatron Stellarators
NT2 ATF Torsatron
NT2 CHS Torsatron
NT2 Vint Torsatron
NT1 Uragan Stellarator
NT1 W Stellarators
NT1 Wega Stellarator
NT1 Wendelstein-2B Stellarator
NT1 Wendelstein-7 Stellarator
RT Banana Regime
RT Kruskal Limit
RT Magnetic Surfaces
RT MARFE
RT Mode Rational Surfaces
RT Plasma Radial Profiles
RT Sawtooth Oscillations
RT Stellarator Type Reactors

STELLITE [01]
DA December 1, 1974
BT1 Cobalt Base Alloys
BT2 Cobalt Alloys
BT3 Alloys
NT1 Alloy-Co54Cr20W15Ni10
NT2 Alloy-HS-25
NT2 Haynes 25 Alloy
NT1 Alloy-Co60Cr30W4
NT2 Haynes Stellite 6B
NT2 Stellite 6
NT1 Alloy-Co62Cr28Mo6Ni3
NT2 Alloy-HS-21
NT2 Haynes Stellite No 21
NT1 Alloy-Co64Cr29W4
NT2 Stellite 156
NT1 Alloy-Co66Cr26W6
NT2 Deloro Stellite 6
NT1 Alloy-HS-31
NT1 Stellite 156

STELLITE 6
DA October 30, 1978
UF *Alloy-HS-6*
UF *Stoody*
BT1 Alloy-Co60Cr30W4
BT2 Chromium Alloys
BT3 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Haynes Alloys
BT3 Cobalt Base Alloys
BT4 Cobalt Alloys
BT5 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Iron Alloys
BT3 Alloys
BT2 Nickel Alloys
BT3 Alloys
BT2 Stellite
BT3 Cobalt Base Alloys
BT4 Cobalt Alloys
BT5 Alloys
BT2 Tungsten Alloys
BT3 Alloys

Stellite 6 (Deloro)
DA July 10, 1984
USE Deloro Stellite 6

STELLITE 156
DA October 30, 1978
BT1 Alloy-Co64Cr29W4
BT2 Chromium Alloys
BT3 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Stellite
BT3 Cobalt Base Alloys
BT4 Cobalt Alloys
BT5 Alloys

BT2 Tungsten Alloys
BT3 Alloys
BT1 Stellite
BT2 Cobalt Base Alloys
BT3 Cobalt Alloys
BT4 Alloys

Stem (Plant)
DA December 1, 1974
USE Plant Stems

STEM CELLS [01]
DA December 1, 1974
BT1 Somatic Cells
BT2 Animal Cells
RT Blood Formation
RT Bone Marrow
RT CFU
RT Spermatogenesis

STEMMING MATERIALS
DA August 8, 1979
BT1 Materials
RT Boreholes
RT Grouting

STENDAL-1 REACTOR [01]
(Stendal, Federal Republic of Germany.)
DA September 5, 1986
BT1 WWER Type Reactors
BT2 PWR Type Reactors
BT3 Enriched Uranium Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors
BT3 Thermal Reactors
BT4 Reactors
BT3 Water Cooled Reactors
BT4 Reactors
BT3 Water Moderated Reactors
BT4 Reactors

Stepanov Method
DA February 11, 1980
SEE Inverted Stepanov Method

STERCOBILIN [01]
DA December 1, 1974
BT1 Heterocyclic Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT2 Heterocyclic Compounds
BT3 Organic Compounds
BT1 Pigments
BT1 Pyrroles
BT2 Azoles
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
RT Bile

STEREOCHEMISTRY [01]
DA December 1, 1974
RT Enantiomorphs
RT Isomers
RT Ligands
RT Molecular Structure
RT Optical Activity
RT Racemates
RT Racemization

STERILE INSECT RELEASE [01]
DA December 1, 1974
RT Agriculture
RT Insect Dispersal
RT Pest Control
RT Sterile Male Technique
RT Sterility
RT Sterilization

STERILE MALE TECHNIQUE [01]
DA December 1, 1974
RT Agriculture
RT Insect Dispersal
RT Insects
RT Mass Rearing
RT Parasites
RT Pest Control
RT Sterile Insect Release
RT Sterilization

STERILITY [01]
DA December 1, 1974
RT Fertility
RT Genetic Control
RT Reproductive Disorders
RT Sterile Insect Release

STERILIZATION [01]
DA December 1, 1974
NT1 Radiosterilization
RT Bacterial Spores
RT Chemosterilants
RT Disinfestation
RT Food
RT Germicides
RT Grain Disinfestation
RT Inactivation
RT Irradiation
RT Isomed
RT Pasteurization
RT Preservation
RT Radiodisinfestation
RT Sterile Insect Release
RT Sterile Male Technique

STERLING-1 REACTOR [01]
DA January 22, 1975
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

STERLING-2 REACTOR
DA January 22, 1975
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

STERLING EVENT [01]
DA December 1, 1974
BT1 Vela Project

STERN-GERLACH EXPERIMENT [01]
DA December 1, 1974
RT Beams
RT Measuring Methods
RT Spin Orientation

STERNHEIMER FORMULA [01]
DA December 1, 1974
RT Multipoles

STEROID HORMONES [01]
DA May 6, 1975
BT1 Hormones
NT1 Androgens
NT2 Androstenedione
NT2 Androsterone
NT2 Dianabol
NT2 Hydroxyandrostenone
NT2 Testosterone
* **NT1** Corticosteroids
NT1 Estrogens
NT2 Estradiol
NT2 Estriol
NT2 Estrone
NT1 Progesterone
RT Adrenal Hormones

STEROIDS [01]
DA December 1, 1974
BT1 Organic Compounds
NT1 Androstanes
NT2 Androgens
NT3 Androstenedione
NT3 Androsterone
NT3 Dianabol
NT3 Hydroxyandrostenone
NT3 Testosterone
NT1 Estranes
NT2 Estradiol
NT2 Estriol
NT2 Estrone
NT1 Pregnanes
NT2 Corticosteroids
NT3 Glucocorticoids
NT4 Corticosterone
NT4 Cortisone
NT4 Dexamethasone
NT4 Hydrocortisone
NT4 Prednisolone
NT4 Prednisone
NT3 Mineralocorticoids
NT4 Aldosterone
NT4 DOCA
NT2 Hydroxypregnenone
NT2 Pregnanediol
NT2 Pregnanetriol
NT2 Progesterone
NT1 Sterols
NT2 Bile Acids
NT3 Cholic Acid
NT2 Cholesterol
NT2 Ergosterol
NT2 Lanolin
NT2 Sitosterol
RT Hormones
RT Urinary Ketosteroids

STEROLS [01]
DA December 1, 1974
BT1 Hydroxy Compounds
BT2 Organic Compounds
BT1 Steroids
BT2 Organic Compounds
NT1 Bile Acids
NT2 Cholic Acid
NT1 Cholesterol
NT1 Ergosterol
NT1 Lanolin
NT1 Sitosterol

STES
DA May 24, 1982
USE Seasonal Thermal Energy Storage

STF REACTOR [01]
DA November 17, 1976
UF *Safety Test Facility Reactor*
BT1 Air Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Fast Reactors
BT2 Epithermal Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors

STH [01]
DA December 1, 1974
UF *Growth Hormone*
UF *Somatotropic Hormone*
BT1 Pituitary Hormones
BT2 Peptide Hormones
BT3 Hormones
BT3 Proteins
BT4 Organic Compounds
RT Acromegaly
RT Anabolism
RT Growth
RT HPL
RT Somatostatin

STILBAMIDINE [01]
DA December 1, 1974
BT1 Amidines
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds

STILBENE [01]
DA December 1, 1974
UF *1,2-Diphenylethylene*

BT1 Aromatics
BT2 Organic Compounds
BT1 Hydrocarbons
BT2 Organic Compounds
RT Organic Crystal Phosphors
RT Stilbestrol

STILBESTROL [01]
DA December 1, 1974
BT1 Polyphenols
BT2 Phenols
BT3 Aromatics
BT4 Organic Compounds
BT3 Hydroxy Compounds
BT4 Organic Compounds
RT Estrogens
RT Stilbene

Still Gas
DA December 10, 1979
USE Refinery Gases

STILLAGE
DA November 25, 1980
BT1 Organic Wastes
BT2 Wastes
RT Distillation
RT Distillers Dried Grains
RT Fermentation
RT Waste Product Utilization
DEF The mash from an alcoholic fermentation after removal of the alcohol in a still.

Stilton-Hushed Echo Event
DA September 11, 1975
USE Bedrock Project

Stimulants
DA April 20, 1981
USE Analeptics

STIMULATED EMISSION [01]
DA December 1, 1974
BT1 Emission
BT1 Energy-Level Transitions
NT1 Superradiance
RT Einstein Coefficients
RT Electron Beam Pumping
RT Lasers
RT Masers
RT Nuclear Pumping
RT Optical Pumping

Stimulated Emission Devices
DA August 21, 1981
SEE Gasers
OR Lasers
OR Masers

STIMULATION [01]
DA December 1, 1974
UF+ *Growth Stimulation*
NT1 Well Stimulation
NT2 Explosive Stimulation
RT Hormones
RT Metabolic Activation
RT Mitogens
RT Stimuli

STIMULI [01]
DA December 1, 1974
RT Bioelectricity
RT Stimulation

STIR REACTOR [01]
DA December 1, 1974
UF *Shield Test Reactor*
UF *STR Reactor (Shield Test)*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Hydride Moderated Reactors
BT2 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

STIRLING CYCLE [01]
DA December 1, 1974
BT1 Thermodynamic Cycles
RT Stirling Engines
RT Thermodynamics

STIRLING ENGINES [01]
DA January 22, 1975
BT1 Heat Engines
BT2 Engines
RT AAPS
RT Regeneration
RT Regenerators
RT Solar Heat Engines
RT Stirling Cycle
DEF Engines that operate on the Stirling thermodynamic cycle.

STIRRING [01]
DA December 1, 1974
RT Mixing
RT Turbulence

STISHOVITE
DA October 20, 1977
BT1 Oxide Minerals
BT2 Minerals
RT Silicon Oxides
DEF A mineral consisting essentially of SiO_2.

STOCHASTIC COOLING [01]
DA October 23, 1979
BT1 Beam Cooling
NT1 Momentum Cooling
DEF Gradual reduction of emittance of coasting charged-particle beams by feedback sensing and correcting statistical fluctuations of beam position or momentum.

Stochastic Momentum Cooling
DA May 7, 1982
USE Momentum Cooling

STOCHASTIC PROCESSES [01]
DA December 1, 1974
NT1 Markov Process
RT Gaussian Processes
RT Monte Carlo Method
RT Statistics

STOCKBARGER METHOD [01]
DA December 1, 1974
BT1 Crystal Growth Methods
RT Crystal Growth

Stockholm R-1 Reactor
DA December 1, 1974
USE R-1 Reactor

STOCKPILES
DA February 27, 1975
RT Reserves

Stocks
DA May 2, 1979
USE Inventories

STOERMER THEORY [01]
DA December 1, 1974
RT Charged Particles
RT Magnetic Fields

STOICHIOMETRY [01]
DA February 6, 1975
RT Chemical Reactions
RT Chemistry

STOKERS [01]
DA September 14, 1976
BT1 Fuel Feeding Systems
BT2 Fuel Systems
RT Boilers
RT Burners
RT Coal
RT Furnaces
DEF A mechanical device used in a boiler or furnace for feeding coal, removing refuse, controlling air supply, and mixing with combustibles for efficient combustion.

STOKES LAW [01]
DA December 1, 1974
RT Viscous Flow

STOKES PARAMETERS [01]
DA December 1, 1974
RT Polarization

STOMACH [01]
DA December 1, 1974
UF+ *Rumen*
BT1 Gastrointestinal Tract
BT2 Digestive System
BT1 Organs
BT2 Body
RT Gastrectomy
RT Gastric Acid
RT Gastrin
RT Intrinsic Factor
RT Pepsin
RT Vomiting

STOMATA [01]
DA January 7, 1976
BT1 Openings
RT Plants
RT Transpiration

Stone and Webster Coal Solution Gasification Process
DA August 24, 1976
USE Stone and Webster Gasification Process

STONE AND WEBSTER GASIFICATION PROCESS
DA August 4, 1976
UF *Stone and Webster Coal Solution Gasification Process*
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes
RT Hydrogenation
DEF Process for production of low-sulfur fuels from coal by stepwise addition of hydrogen to coal. Enough hydrogen is added in the first step to convert coal to liquids, which are then hydrogasified to methane, ethane, and aromatic liquid products.

STONE AND WEBSTER IONICS PROCESS
DA January 27, 1975
BT1 Desulfurization
BT2 Chemical Reactions
DEF Desulfurization process using aqueous caustic soda solution to absorb SO_2; solution is regenerated in electrolytic cells.

STONE METEORITES [01]
DA December 1, 1974
BT1 Meteorites
NT1 Achondrites
NT1 Chondrites
RT Rocks

Stoody
DA December 20, 1978
USE Stellite 6

Stopping
DA December 1, 1974
USE Absorption

STOPPING POWER [01]
DA December 1, 1974
UF *Stopping Power (Total Atomic)*
UF *Stopping Power (Total Linear)*
UF *Stopping Power (Total Mass)*
RT Absorption

RT Atomic Number
RT Density
RT Energy Losses
RT Range

Stopping Power (Total Atomic)
DA December 1, 1974
USE Stopping Power

Stopping Power (Total Linear)
DA December 1, 1974
USE Stopping Power

Stopping Power (Total Mass)
DA December 1, 1974
USE Stopping Power

Stoppings
DA April 27, 1978
USE Ventilation Barriers

STORAGE [01]
DA December 1, 1974
NT1 Energy Storage
NT2 Annual Energy Storage
NT2 Cold Storage
NT2 Compressed Air Energy Storage
NT2 Flywheel Energy Storage
NT2 Heat Storage
NT3 Latent Heat Storage
NT3 Seasonal Thermal Energy Storage
NT3 Sensible Heat Storage
NT3 Thermochemical Heat Storage
NT2 Magnetic Energy Storage
NT3 Superconducting Magnetic Energy Storage
NT2 Off-Peak Energy Storage
NT2 Photochemical Energy Storage
NT2 Pumped Storage
NT1 Hydrogen Storage
NT1 Spent Fuel Storage
NT2 Away-From-Reactor Storage
NT2 Dry Storage
NT2 Monitored Retrievable Storage
NT1 Underground Storage
NT1 Waste Storage
NT2 Radioactive Waste Storage
NT3 Monitored Retrievable Storage
RT Inventories
RT Stowage
RT Transport
RT Water Reservoirs

Storage (Spent Fuel)
DA December 1, 1974
USE Spent Fuel Storage

Storage (Wastes)
DA December 1, 1974
USE Waste Storage

Storage Batteries
DA May 13, 1976
USE Electric Batteries

Storage Batteries (Lead-Acid)
DA May 13, 1976
USE Lead-Acid Batteries

Storage Devices (Data)
DA December 1, 1974
USE Memory Devices

STORAGE FACILITIES [01]
DA January 28, 1977
UF *Facilities (Storage)*
UF *Tank Farms*
RT Energy Facilities
RT Floating Roof Tanks
RT Maintenance Facilities
RT Natural Gas
RT Petroleum
RT Radioactive Waste Facilities
RT Spent Fuel Storage
RT Terminal Facilities

STORAGE LIFE [01]
DA December 1, 1974
UF *Market Life*
RT Food Processing
RT Lifetime
RT Radiopreservation
RT Sprout Inhibition

STORAGE RINGS [01]
DA December 1, 1974
UF *Rings (Storage)*
NT1 ACO
NT1 ADONE
NT1 Beijing Electron-Positron Collider
NT1 BESSY Storage Ring
NT1 Brookhaven RHIC
NT1 Celsius Storage Ring
NT1 CERN Cesar
NT1 CERN ISR
NT1 CESR Storage Ring
NT1 DCI Orsay Storage Ring
NT1 DORIS Storage Ring
NT1 Escar Storage Ring
NT1 ESR Storage Ring
NT1 Euterpe Storage Ring
NT1 HERA Storage Ring
NT1 Isabelle Storage Rings
NT1 LEP Storage Rings
NT1 LNLS Storage Ring
NT1 NAP-M Storage Ring
NT1 PAMPUS Storage Ring
NT1 PEP Storage Rings
NT2 EPIC Storage Ring
NT1 PETRA Storage Ring
NT1 POPAE Storage Ring
NT1 Precetron Storage Ring
NT1 Serpukhov Tevatron
NT1 SPEAR
NT1 Spring-8 Storage Ring
NT1 Superconducting Super Collider
NT1 SURF II Storage Ring
NT1 Tristan Storage Rings
NT1 VEP-1
NT1 VEPP-2
NT1 VEPP-3
NT1 VEPP-4
RT Accelerators
RT Advanced Light Source
RT Advanced Photon Source
RT Cosy Storage Ring
RT KEK Photon Factory

Storage Tubes
DA December 1, 1974
USE Electron Tubes
AND Image Storage Tubes

STORED ENERGY [01]
DA December 1, 1974
BT1 Energy
BT1 Thermodynamic Properties
BT2 Physical Properties
RT Tank Circuits

Stores
DA January 9, 1981
USE Commercial Buildings

STORM DOORS
DA June 21, 1977
BT1 Doors
BT2 Openings
RT Thermal Insulation
RT Weatherization

STORM WINDOWS
DA June 21, 1977
BT1 Windows
BT2 Openings
RT Thermal Insulation
RT Weatherization

STORMS [01]
DA November 26, 1975
BT1 Disasters
NT1 Hurricanes
NT1 Monsoons
NT1 Tornadoes
RT Atmospheric Precipitations
RT Cloud Cover
RT Clouds
RT Lightning
RT Meteorology
RT Rain
RT Runoff
RT Snow
RT Water Waves
RT Wave Forces
RT Weather
RT Wind Loads

Stover
(This concept should be indexed by the coordination of the descriptor AGRICULTURAL WASTES with a descriptor indicating the field crop.)
DA April 11, 1979
USE Agricultural Wastes

STOVES [01]
DA August 4, 1976
UF+ *Wood Stoves*
BT1 Appliances
BT2 Equipment
RT Coal Burning Appliances
RT Ovens
RT Wood Burning Appliances

STOWAGE
DA December 17, 1979
RT Positioning
RT Storage
DEF Positioning for safekeeping, e.g., heliostat inversion during hailstorms.

STOWING
DA June 6, 1979
UF *Packing*
RT Backfilling
RT Strata Control
RT Underground Mining

→**STP-3M DEVICE [01]**
(Nagoya University, Japan)
DA April 16, 1993
BT1 Toroidal Screw Pinch Devices
BT2 Toroidal Pinch Devices
BT3 Closed Plasma Devices
BT4 Thermonuclear Devices
BT3 Pinch Devices
BT4 Thermonuclear Devices

STR Reactor (Shield Test)
DA December 1, 1974
USE STIR Reactor

STR Reactor (Split Table)
DA December 1, 1974
USE Split Table Reactor

STRAHLENSCHUTZKOMMISSION [01]
DA July 23, 1980
BT1 German FR Organizations
BT2 National Organizations
RT Radiation Protection

STRAIGHT-LINE PATH APPROXIMATION
DA October 1, 1975
RT Eikonal Approximation
DEF A method based on the assumption that the momentum transfers are small in elastic and inelastic interactions of particles at asymptotically high energies.

STRAIN AGING [01]
DA December 1, 1974
BT1 Aging
RT Cold Working

STRAIN GAGES [01]
DA December 1, 1974
UF *Gages (Strain)*
BT1 Measuring Instruments
RT Extensometers
RT Mechanical Tests
RT Strains
RT Tensiometers

STRAIN HARDENING [01]
DA December 1, 1974
UF *Shock Wave Hardening*
UF *Work Hardening*
BT1 Hardening

RT Cold Working
RT Strains

STRAIN RATE [01]
DA January 7, 1976
RT Strains
RT Tensile Properties

STRAIN SOFTENING [01]
DA January 30, 1975
UF *Work Softening*
RT Strains
DEF A softening of a metal exhibited during deformation. It can occur at either high or low temperatures, depending upon the metal.

STRAINS [01]
DA December 1, 1974
RT Deformation
RT Elasticity
RT Poisson Ratio
RT Strain Gages
RT Strain Hardening
RT Strain Rate
RT Strain Softening
RT Stresses
RT Tensile Properties

Strait Event
DA June 21, 1977
USE Anvil Project

STRAIT OF HORMUZ [01]
DA October 27, 1980
BT1 Persian Gulf
BT2 Arabian Sea
BT3 Indian Ocean
BT4 Seas
BT5 Surface Waters

STRAND BREAKS [01]
DA December 1, 1974
RT Biological Radiation Effects
RT Chemical Radiation Effects
RT Decomposition
RT DNA
RT DNA Repair
RT Molecular Biology
RT Pyrimidine Dimers
RT Radiation Effects
RT Radiation Injuries
RT RNA

Strange Baryons
DA March 16, 1988
USE Hyperons

STRANGE MESONS [01]
DA February 2, 1988
UF *K*Resonances*
UF *K-1240 Resonances*
UF *K-1871 Resonances*
UF *L-1770 Resonances*
BT1 Mesons
BT2 Bosons
BT2 Hadrons
BT3 Elementary Particles
BT1 Strange Particles
BT2 Elementary Particles
NT1 K*-1410 Mesons
NT1 K*-1790 Mesons
NT1 K*-892 Mesons
NT1 K*0-1350 Mesons
NT1 K*2-1430 Mesons
NT1 K*3-1780 Mesons
NT1 K*4-2060 Mesons
NT1 K-1460 Mesons
NT1 K-1830 Mesons
NT1 K1-1280 Mesons
NT1 K1-1400 Mesons
NT1 K2-1580 Mesons
NT1 K2-1770 Mesons
NT1 K2-2250 Mesons
NT1 K3-2320 Mesons
NT1 K4-2500 Mesons
* **NT1** Kaons

STRANGE PARTICLES [01]
DA December 1, 1974
BT1 Elementary Particles
NT1 D*S-2110 Mesons
* **NT1** Hyperons
NT1 Spurions
* **NT1** Strange Mesons
RT Strangeness

STRANGENESS [01]
DA December 1, 1974
BT1 Particle Properties
RT Gauge Invariance
RT Gell-Mann Theory
RT Strange Particles
RT Strangeness Analog Resonances

STRANGENESS ANALOG RESONANCES [01]
DA May 6, 1975
UF *Analog Resonances (Strangeness)*
RT Energy Levels
RT Nuclear Reactions
RT Strangeness

STRANGENESS-EXCHANGE REACTIONS [01]
DA April 12, 1979
BT1 Nuclear Reactions
DEF Nuclear reactions in which strangeness of reactants is altered.

STRANGEONIUM [01]
DA February 1, 1988
BT1 Mesons
BT2 Bosons
BT2 Hadrons
BT3 Elementary Particles
BT1 Quarkonium
NT1 F2-1525 Mesons
NT1 Phi J-1850 Mesons
NT1 Phi-1020 Mesons
NT1 Phi-1680 Mesons
DEF A bound state of strange and antistrange quarks.

STRASBOURG-CRONENBOURG REACTOR [01]
DA December 1, 1974
BT1 Argonaut Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors

STRATA CONTROL [01]
DA May 3, 1978
UF *Ground Control*
RT Caving
RT Rock Mechanics
RT Roof Bolts
RT Slope Stability
RT Stowing
RT Strata Movement
DEF Measures taken to control movement of geologic strata.

STRATA MOVEMENT [01]
DA May 3, 1978
RT Caving
RT Geologic Strata
RT Ground Motion
RT Ground Uplift
RT Rock Falls
RT Rock Mechanics
RT Strata Control
RT Underground Mining

Strategic Defense Initiative
DA November 29, 1984
USE Ballistic Missile Defense

STRATEGIC PETROLEUM RESERVE
DA October 20, 1977
BT1 Reserves
BT2 Resources
RT Energy Supplies
RT Petroleum
RT Underground Storage

STRATEGIC POINTS [01]
DA December 1, 1974
RT Material Balance Area
RT Safeguards
DEF Points in the fuel cycle at which measurement of the flow of nuclear material would be useful for safeguards purposes.

STRATIFICATION [01]
DA December 1, 1974
RT Geologic Strata
RT Layers
RT Stratified Charge Engines

STRATIFIED CHARGE ENGINES [01]
DA June 12, 1975
BT1 Internal Combustion Engines
BT2 Heat Engines
BT3 Engines
RT Automobiles
RT Combustion
RT Fuel Injection Systems
RT Stratification

STRATIGRAPHY [01]
DA December 1, 1974
BT1 Geology
RT Eocene Epoch
RT Geologic Structures
RT Geomorphology
RT Layers
RT Miocene Epoch
RT Palynology
RT Pliocene Epoch
RT Site Characterization
DEF That branch of geology which treats of the formation, composition, sequence, and correlation of the stratified rocks as parts of the earth's crust.

STRATOSPHERE [01]
DA December 1, 1974
UF *High Altitude (Stratosphere)*
BT1 Earth Atmosphere
RT Global Fallout
RT Magnetic Rigidity
RT Ozone Layer
RT Supersonic Transport
RT Tropopause

STRAW [01]
DA December 11, 1978
RT Agricultural Wastes
RT Plant Stems

STRAWBERRIES [01]
DA December 1, 1974
BT1 Fruits
BT2 Food
RT Rosaceae

STRAY RADIATION [01]
DA December 1, 1974
BT1 Radiations
RT Scattering
RT Shielding

STREAK CAMERAS [01]
DA September 21, 1984
BT1 Cameras
BT1 Radiation Detectors
BT2 Measuring Instruments
RT Streak Photography
DEF A camera for measuring radiation pulses by deflection of an electron beam.

STREAK PHOTOGRAPHY [01]
DA December 1, 1974
BT1 Photography
RT Streak Cameras

STREAMER SPARK CHAMBERS [01]
DA December 1, 1974
BT1 Spark Chambers
BT2 Gas Track Detectors

BT3 Radiation Detectors
BT4 Measuring Instruments

Streaming (Radiation)
DA December 1, 1974
USE Radiation Streaming

STREAMS
DA April 19, 1976
UF *Creeks*
BT1 Surface Waters
NT1 Rivers
NT2 Allegheny River
NT2 Altamaha River
NT2 Amazon River
NT2 Arkansas River
NT2 Au Sable River
NT2 Blind River
NT2 Brazos River
NT2 Cape Fear River
NT2 Chattahoochee River
NT2 Clinch River
NT2 Colorado River
NT2 Columbia River
NT2 Connecticut River
NT2 Crystal River
NT2 Cumberland River
NT2 Danube River
NT2 Delaware River
NT2 Detroit River
NT2 Dnieper River
NT2 Fraser River
NT2 Ganga River
NT2 Grand River
NT2 Gunnison River
NT2 Hudson River
NT2 James River
NT2 Kennebec River
NT2 Lewis River
NT2 Little Tennessee River
NT2 Menominee River
NT2 Mississippi River
NT2 Missouri River
NT2 Mohawk River
NT2 Nelson River
NT2 Niagara River
NT2 Niger River
NT2 Nile River
NT2 North Platte River
NT2 Ohio River
NT2 Ottawa River
NT2 Peace River
NT2 Piceance Creek
NT2 Po River
NT2 Potomac River
NT2 Pripet River
NT2 Rhine River
NT2 Rhone River
NT2 Rio Grande River
NT2 Saginaw River
NT2 Saint Clair River
NT2 Saint John River
NT2 Santee River
NT2 Savannah River
NT2 Scioto River
NT2 Severn River
NT2 Skagit River
NT2 St Lawrence River
NT2 Susquehanna River
NT2 Tennessee River
NT2 Thames River
NT2 Tigris River
NT2 Volga River
NT2 White River
NT2 Yangtze River
NT2 Yellow Creek
NT2 Yukon River
RT Watersheds
DEF Bodies of flowing water, great or small, contained within channels.

Streets
DA January 28, 1975
USE Roads

STRELKINITE [01]
DA December 16, 1975
BT1 Hydrates
BT1 Oxide Minerals
BT2 Minerals
BT1 Sodium Compounds
BT2 Alkali Metal Compounds
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
BT1 Uranium Vanadates
BT2 Uranium Compounds
BT3 Actinide Compounds
BT2 Vanadates
BT3 Oxygen Compounds
BT3 Vanadium Compounds
BT4 Transition Element Compounds
BT1 Uranyl Compounds
BT2 Uranium Compounds
BT3 Actinide Compounds

Strength (Compression)
DA December 1, 1974
USE Compression Strength

Strength (Flexural)
DA December 1, 1974
USE Flexural Strength

Strength (Fracture)
DA December 1, 1974
USE Fracture Properties

Strength (Impact)
DA December 1, 1974
USE Impact Strength

Strength (Shear)
DA December 1, 1974
USE Shear Properties

Strength (Tensile)
DA December 1, 1974
USE Tensile Properties

Strength (Ultimate)
DA May 23, 1980
USE Ultimate Strength

Strength (Yield)
DA December 1, 1974
USE Yield Strength

STRENGTH FUNCTIONS [01]
DA December 1, 1974
BT1 Functions
RT Energy Levels
RT Oscillator Strengths

STREPTIDINE KINASE [01]
DA April 20, 1981
BT1 Fibrinolytic Agents
BT2 Hematologic Agents
BT3 Drugs
BT1 Phosphotransferases
BT2 Phosphorus-Group Transferases
BT3 Transferases
BT4 Enzymes
BT5 Proteins
BT6 Organic Compounds

STREPTOCOCCAL PROTEINASE [01]
(Code number 3.4.22.10.)
DA January 12, 1981
UF *Streptokinase*
BT1 SH-Proteinases
BT2 Peptide Hydrolases
BT3 Hydrolases
BT4 Enzymes
BT5 Proteins
BT6 Organic Compounds
RT Fibrinolysis
RT Streptococcus
RT Thrombosis

STREPTOCOCCUS [01]
DA December 1, 1974
BT1 Bacteria
BT2 Microorganisms
RT Streptococcal Proteinase

Streptokinase
(Prior to January 1981 this was a valid term and older materials is so indexed.)
DA December 1, 1974
USE Streptococcal Proteinase

STREPTOMYCES [01]
DA December 1, 1974
BT1 Bacteria
BT2 Microorganisms
RT Streptomycin

STREPTOMYCIN [01]
DA December 1, 1974
BT1 Antibiotics
BT2 Anti-Infective Agents
BT3 Drugs
RT Streptomyces
RT Tuberculosis

STREPTOZOCIN
DA April 20, 1981
UF *Streptozotocin*
UF *Streptozotocin 7*
BT1 Antibiotics
BT2 Anti-Infective Agents
BT3 Drugs
BT1 Antineoplastic Drugs
BT2 Drugs

Streptozotocin
(Prior to April 1981, this concept was indexed to ANTIBIOTICS, NITROSO COMPOUNDS, and SACCHARIDES.)
DA June 30, 1975
USE Streptozocin

Streptozotocin 7
(Prior to April 1981, this concept was indexed to ANTIBIOTICS, NITROSO COMPOUNDS, and SACCHARIDES.)
DA April 7, 1975
USE Streptozocin

Stress (Biological)
DA December 1, 1974
USE Biological Stress

STRESS ANALYSIS [01]
DA December 1, 1974
RT Homalite
RT Photoelasticity
RT Stress Intensity Factors
RT Stresses

STRESS CORROSION [01]
DA December 1, 1974
BT1 Corrosion
BT2 Chemical Reactions

STRESS INTENSITY FACTORS [01]
DA October 19, 1978
RT Crack Propagation
RT Cracks
RT Defects
RT Fracture Mechanics
RT Fracture Properties
RT Fractures
RT Mechanical Tests
RT Stress Analysis

STRESS RELAXATION [01]
DA December 1, 1974
UF *Relaxation (Stress)*
UF *Relieving (Stress)*
UF *Stress Relieving*
BT1 Relaxation
RT Annealing
RT Creep
RT Heat Treatments
RT Stresses

Stress Relieving
DA December 1, 1974
USE Stress Relaxation

STRESSES [01]
(Mechanics.)
DA December 1, 1974
NT1 Flow Stress
NT1 Residual Stresses
NT1 Thermal Stresses
RT Dilatancy

RT Dynamic Loads
RT Materials Testing
RT Mechanical Properties
RT Mechanical Tests
RT Pore Pressure
RT S-N Diagram
RT Shear
RT Static Loads
RT Strains
RT Stress Analysis
RT Stress Relaxation
RT Tensile Properties
RT Thermoelasticity
RT Wind Loads

Stretch Model
DA December 1, 1974
USE Aligned Coupling Scheme

STRETFORD PROCESS
DA January 27, 1975
BT1 Desulfurization
BT2 Chemical Reactions
DEF Process for sweetening natural and industrial gases by complete removal of H_2S and partial removal of organic S compounds; gas is washed with aqueous solution containing sodium carbonate, sodium vanadate, anthraquinonedisulfonic acid.

STRIATIONS [01]
DA December 1, 1974
RT Electric Discharges

STRING MODELS [01]
(Treating the interactions of extended particles through breaking and connection of strings.)
DA December 1, 1974
BT1 Extended Particle Model
BT2 Particle Models
BT3 Mathematical Models
BT1 Quark Model
BT2 Composite Models
BT3 Particle Models
BT4 Mathematical Models
NT1 Superstring Models
RT Particle Interactions
RT Particle Structure

STRIPED BASS [01]
DA January 23, 1978
BT1 Anadromous Fishes
BT2 Fishes
BT3 Aquatic Organisms
BT3 Vertebrates
BT4 Animals

Stripper Foils
DA December 1, 1974
USE Beam Strippers

Strippers
DA December 1, 1974
USE Beam Strippers

STRIPPING [01]
(For nuclear reactions only; for electron stripping use ELECTRON LOSS.)
DA December 1, 1974
BT1 Transfer Reactions
BT2 Direct Reactions
BT3 Nuclear Reactions
RT Butler Theory
RT Oppenheimer-Phillips Process
RT Serber Theory

STRONG-ABSORPTION MODEL [01]
DA December 1, 1974
BT1 Nuclear Models
BT2 Mathematical Models

STRONG-COUPLING MODEL [01]
DA December 1, 1974
BT1 Particle Models
BT2 Mathematical Models
RT Coupling
RT Strong Interactions
RT Weak-Coupling Model

STRONG INTERACTIONS [01]
DA December 1, 1974
BT1 Basic Interactions
BT2 Interactions
NT1 Charge-Exchange Interactions
NT1 Peripheral Collisions
RT Annihilation
RT Charge Independence
RT Chew-Low Method
RT CIM Model
RT Grand Unified Theory
RT Hadron-Hadron Interactions
RT Hadronic Particle Decay
RT Quark-Gluon Interactions
RT Rescattering
RT Standard Model
RT Strong-Coupling Model

STRONGLY IONIZED GASES [01]
(Ionization factor above 10(-4).)
DA December 1, 1974
BT1 Ionized Gases
BT2 Gases
BT3 Fluids

STRONTIUM [01]
DA December 1, 1974
BT1 Alkaline Earth Metals
BT2 Metals
BT3 Elements

→**STRONTIUM 76 [01]**
DA August 12, 1992
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Strontium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes

STRONTIUM 77 [01]
DA December 16, 1976
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Strontium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes

STRONTIUM 78 [01]
DA January 22, 1975
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Strontium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes

STRONTIUM 79 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Strontium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes

STRONTIUM 80 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Strontium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes

STRONTIUM 81 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Strontium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes

STRONTIUM 82 [01]
DA December 1, 1974
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Strontium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes

STRONTIUM 83 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes

BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Strontium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes

STRONTIUM 84 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
BT1 Strontium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes

STRONTIUM 84 TARGET [01]
DA July 9, 1976
BT1 Targets

STRONTIUM 85 [01]
DA December 1, 1974
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Strontium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes

STRONTIUM 86 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
BT1 Strontium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes

STRONTIUM 86 TARGET [01]
DA July 9, 1976
BT1 Targets

STRONTIUM 87 [01]
DA December 1, 1974
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Stable Isotopes
BT2 Isotopes
BT1 Strontium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes

STRONTIUM 87 TARGET [01]
DA July 12, 1976
BT1 Targets

STRONTIUM 88 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
BT1 Strontium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes

STRONTIUM 88 TARGET [01]
DA July 9, 1976
BT1 Targets

STRONTIUM 89 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Strontium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes

STRONTIUM 90 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Strontium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
RT Radioisotope Generators

STRONTIUM 90 TARGET [01]
DA November 1, 1976
BT1 Targets

STRONTIUM 91 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Strontium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes

STRONTIUM 92 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Strontium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes

STRONTIUM 93 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Strontium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes

STRONTIUM 94 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Strontium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes

STRONTIUM 95 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Strontium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes

STRONTIUM 96 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Strontium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes

STRONTIUM 97 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BT1 Strontium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes

STRONTIUM 98 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Strontium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes

STRONTIUM 99 [01]
DA March 11, 1976
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Strontium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes

STRONTIUM 100 [01]
DA May 25, 1979
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Strontium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes

STRONTIUM 101 [01]
DA March 19, 1984
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Strontium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes

STRONTIUM 102 [01]
DA August 8, 1985
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Strontium Isotopes
BT2 Alkaline Earth Isotopes
BT3 Isotopes

STRONTIUM ADDITIONS [01]
DA December 1, 1974
BT1 Strontium Alloys
BT2 Alloys

STRONTIUM ALLOYS [01]
DA December 1, 1974
BT1 Alloys
NT1 Strontium Additions
NT1 Strontium Base Alloys

STRONTIUM BASE ALLOYS [01]
DA December 1, 1974
BT1 Strontium Alloys
BT2 Alloys

STRONTIUM BORIDES [01]
DA December 1, 1974
BT1 Borides
BT2 Boron Compounds
BT1 Strontium Compounds
BT2 Alkaline Earth Metal Compounds

STRONTIUM BROMIDES [01]
DA December 1, 1974
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Strontium Compounds
BT2 Alkaline Earth Metal Compounds

STRONTIUM CARBIDES [01]
DA December 1, 1974
BT1 Carbides
BT2 Carbon Compounds
BT1 Strontium Compounds
BT2 Alkaline Earth Metal Compounds

STRONTIUM CARBONATES [01]
DA December 1, 1974
BT1 Carbonates
BT2 Carbon Compounds
BT2 Oxygen Compounds
BT1 Strontium Compounds
BT2 Alkaline Earth Metal Compounds

STRONTIUM CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Strontium Compounds
BT2 Alkaline Earth Metal Compounds

STRONTIUM COMPLEXES [01]
DA December 1, 1974
BT1 Alkaline Earth Metal Complexes
BT2 Complexes

STRONTIUM COMPOUNDS [01]
DA December 1, 1974
BT1 Alkaline Earth Metal Compounds
NT1 Strontium Borides
NT1 Strontium Bromides
NT1 Strontium Carbides
NT1 Strontium Carbonates
NT1 Strontium Chlorides
NT1 Strontium Fluorides
NT1 Strontium Hydrides
NT1 Strontium Hydroxides
NT1 Strontium Iodides
NT1 Strontium Nitrates
NT1 Strontium Oxides
NT1 Strontium Perchlorates
NT1 Strontium Phosphates
NT1 Strontium Silicates
NT1 Strontium Sulfates
NT1 Strontium Sulfides
NT1 Strontium Titanates
NT1 Strontium Tungstates
NT1 Strontium Uranates

STRONTIUM FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Strontium Compounds
BT2 Alkaline Earth Metal Compounds

STRONTIUM HYDRIDES [01]
DA December 1, 1974
BT1 Hydrides
BT2 Hydrogen Compounds
BT1 Strontium Compounds
BT2 Alkaline Earth Metal Compounds

STRONTIUM HYDROXIDES [01]
DA December 1, 1974
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds
BT1 Strontium Compounds
BT2 Alkaline Earth Metal Compounds

STRONTIUM IODIDES [01]
DA December 1, 1974
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds
BT1 Strontium Compounds
BT2 Alkaline Earth Metal Compounds

STRONTIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

STRONTIUM ISOTOPES [01]
DA December 1, 1974
BT1 Alkaline Earth Isotopes
BT2 Isotopes
NT1 Strontium 76
NT1 Strontium 77
NT1 Strontium 78
NT1 Strontium 79
NT1 Strontium 80
NT1 Strontium 81
NT1 Strontium 82
NT1 Strontium 83
NT1 Strontium 84
NT1 Strontium 85
NT1 Strontium 86
NT1 Strontium 87
NT1 Strontium 88
NT1 Strontium 89
NT1 Strontium 90
NT1 Strontium 91
NT1 Strontium 92
NT1 Strontium 93
NT1 Strontium 94
NT1 Strontium 95
NT1 Strontium 96
NT1 Strontium 97
NT1 Strontium 98
NT1 Strontium 99
NT1 Strontium 100
NT1 Strontium 101
NT1 Strontium 102
RT Bone Seekers

STRONTIUM NITRATES [01]
DA December 1, 1974
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds
BT1 Strontium Compounds
BT2 Alkaline Earth Metal Compounds

STRONTIUM OXIDES [01]
DA December 1, 1974
BT1 Oxides
BT2 Chalcogenides

BT2 Oxygen Compounds
BT1 Strontium Compounds
BT2 Alkaline Earth Metal Compounds

STRONTIUM PERCHLORATES [01]
DA November 28, 1977
BT1 Perchlorates
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Oxygen Compounds
BT1 Strontium Compounds
BT2 Alkaline Earth Metal Compounds

STRONTIUM PHOSPHATES [01]
DA December 1, 1974
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds
BT1 Strontium Compounds
BT2 Alkaline Earth Metal Compounds

STRONTIUM SILICATES [01]
DA December 1, 1974
BT1 Silicates
BT2 Oxygen Compounds
BT2 Silicon Compounds
BT1 Strontium Compounds
BT2 Alkaline Earth Metal Compounds

STRONTIUM SULFATES [01]
DA December 1, 1974
BT1 Strontium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds

STRONTIUM SULFIDES [01]
DA December 1, 1974
BT1 Strontium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds

STRONTIUM TITANATES [01]
DA September 28, 1976
BT1 Strontium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Titanates
BT2 Oxygen Compounds
BT2 Titanium Compounds
BT3 Transition Element Compounds

STRONTIUM TUNGSTATES [01]
DA November 17, 1976
BT1 Strontium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Tungstates

STRONTIUM URANATES [01]
DA November 14, 1978
BT1 Strontium Compounds
BT2 Alkaline Earth Metal Compounds
BT1 Uranates
BT2 Uranium Compounds
BT3 Actinide Compounds

Strophanthin
DA June 14, 1984
USE Cardiotonics

STROPHANTHINS
DA April 20, 1981
BT1 Cardiac Glycosides
BT2 Cardiotonics
BT3 Cardiovascular Agents
BT4 Drugs
BT2 Glycosides
BT3 Carbohydrates
BT4 Organic Compounds
NT1 Ouabain

STROPHANTIN [01]
DA December 1, 1974
BT1 Glycosides
BT2 Carbohydrates
BT3 Organic Compounds

STRUCTURAL BEAMS
DA August 24, 1977
UF *Beams (Structural)*
RT Building Materials
RT Construction

Structural Buckling
DA December 1, 1974
USE Deformation

STRUCTURAL CHEMICAL ANALYSIS [01]
DA December 1, 1974
UF *Analysis (Structural Chemical)*
NT1 DNA Sequencing
RT Absorption Spectroscopy
RT Amino Acid Sequence
RT Chemical Analysis
RT Coordination Valences
RT Debye-Scherrer Method
RT Derivatization
RT Electron Spin Resonance
RT Extreme Ultraviolet Spectra
RT Infrared Spectra
RT Laue Method
RT Magnetic Circular Dichroism
RT Moessbauer Effect
RT Molecular Structure
RT Neutron Diffraction
RT Nuclear Magnetic Resonance
RT Thermal Analysis
RT Ultraviolet Spectra
RT X-Ray Diffraction
RT X-Ray Diffractometers

Structural Materials
DA December 1, 1974
USE Building Materials

STRUCTURAL MODELS [01]
DA December 1, 1974
UF *Models (Structural)*
NT1 Mockup
NT2 Phantoms
NT1 Scale Models
RT Comparative Evaluations
RT Functional Models
RT Hypothesis
RT Mathematical Models
RT Morphology
RT Response Functions

Structure (Crystal)
DA December 1, 1974
USE Crystal Structure

Structure (Molecular)
DA December 16, 1975
USE Molecular Structure

STRUCTURE-ACTIVITY RELATIONSHIPS [01]
DA November 23, 1983
RT Biological Effects
RT Enzyme Activity
RT Molecular Structure
RT Protein Engineering

STRUCTURE FACTORS [01]
DA December 20, 1978
RT Crystal Structure
RT Liquids
RT Solids
DEF Factor related to intensity of diffracted beam used in structure determination for liquids and solids, as by x-ray diffraction.

STRUCTURE FUNCTIONS [01]
DA December 1, 1974
BT1 Functions
RT EMC Effect
RT Gribov-Lipatov Relation
RT Particle Models
RT Particle Structure
DEF Momentum distribution of constituents within an elementary particle.

Structures (Buildings)
DA December 1, 1974
USE Buildings

Structures (Mechanics)
DA December 1, 1974
USE Mechanical Structures

STRUTINSKY THEORY [01]
DA December 1, 1974
RT Fission
RT Nuclear Models

STRYCHNINE [01]
DA December 1, 1974
BT1 Alkaloids
BT2 Organic Compounds
BT1 Indoles
BT2 Azaarenes
BT3 Aromatics
BT4 Organic Compounds
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
BT2 Pyrroles
BT3 Azoles
BT4 Heterocyclic Compounds
BT5 Organic Compounds
BT4 Organic Nitrogen Compounds
BT5 Organic Compounds

STSF ASSEMBLY [01]
(Subcritical Time-of-Flight Spectrum Facility)
DA December 1, 1974
UF *Subcritical Time-of-Flight Spectrum Facility*
BT1 Subcritical Assemblies
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

STTFUA
(Solar Thermal Test Facility Users Association.)
DA June 13, 1981
RT MSSTF
RT Test Facilities

Studs
DA December 1, 1974
USE Fasteners

Studsvik FR-0 Reactor
DA December 1, 1974
USE FR-0 Reactor

Studsvik R-2 Reactor
DA December 1, 1974
USE R-2 Reactor

Studsvik R2-0 Reactor
DA December 1, 1974
USE R2-0 Reactor

Sturgis-Floating Nuclear Power Plant
DA December 1, 1974
USE MH-1A Reactor

STURM-LIOUVILLE EQUATION [01]
DA December 1, 1974
BT1 Differential Equations
BT2 Equations
RT Eigenfunctions
RT Green Function

STX DEVICES
DA March 4, 1986
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

RT Reverse-Field Pinch
DEF A very low aspect ratio toroidal confinement device that can operate as a tokamak, as a pinch, or as a reversed-field pinch. As a tokamak, the spherical torus confines a plasma that is characterized by high toroidal beta, low poloidal beta, large neutral elongation, high plasma current for a given edge q, and strong paramagnetism.

STYRENE [01]
DA December 1, 1974
UF *Phenylethylene*
UF *Vinylbenzene*
BT1 Alkylated Aromatics
BT2 Aromatics
BT3 Organic Compounds
BT1 Hydrocarbons
BT2 Organic Compounds
RT Polystyrene
RT Vinyl Monomers

Styrene-Divinylbenzene Copolymer
DA December 1, 1974
USE Polystyrene-DVB

Styrene Polymers
DA December 1, 1974
USE Polystyrene

SU-2 GROUPS [01]
DA December 1, 1974
BT1 SU Groups
BT2 Lie Groups
BT3 Symmetry Groups

SU-3 GROUPS [01]
DA December 1, 1974
BT1 SU Groups
BT2 Lie Groups
BT3 Symmetry Groups
RT Charm Particles
RT Grace Particles
RT Higgs Model
RT Taste Particles

SU-4 GROUPS [01]
DA December 1, 1974
BT1 SU Groups
BT2 Lie Groups
BT3 Symmetry Groups

SU-5 GROUPS [01]
DA January 30, 1975
BT1 SU Groups
BT2 Lie Groups
BT3 Symmetry Groups
RT Grand Unified Theory

SU-6 GROUPS [01]
DA December 1, 1974
BT1 SU Groups
BT2 Lie Groups
BT3 Symmetry Groups

SU-7 GROUPS [01]
DA March 13, 1981
BT1 SU Groups
BT2 Lie Groups
BT3 Symmetry Groups

SU-8 GROUPS [01]
DA November 1, 1976
BT1 SU Groups
BT2 Lie Groups
BT3 Symmetry Groups

SU-9 GROUPS [01]
DA September 18, 1989
BT1 SU Groups
BT2 Lie Groups
BT3 Symmetry Groups

SU GROUPS [01]
DA December 1, 1974
BT1 Lie Groups
BT2 Symmetry Groups
NT1 SU-2 Groups
NT1 SU-3 Groups
NT1 SU-4 Groups
NT1 SU-5 Groups
NT1 SU-6 Groups
NT1 SU-7 Groups
NT1 SU-8 Groups
NT1 SU-9 Groups
RT Goldstone Bosons
RT Instantons
RT Unitary Symmetry

SUBBITUMINOUS COAL [01]
DA May 5, 1975
BT1 Coal
BT2 Carbonaceous Materials
BT3 Materials
BT2 Fossil Fuels
BT3 Energy Sources
BT3 Fuels
RT Bituminous Coal
RT Lignite
DEF Coal that is intermediate between bituminous coal and lignite.

SUBCELLULAR DISTRIBUTION [01]
DA December 13, 1985
BT1 Distribution
RT Cell Constituents
RT Cell Membranes
RT Cell Nuclei
RT Endoplasmic Reticulum
RT Lysosomes
RT Microsomes
RT Mitochondria
RT Ribosomes
RT Ultracentrifugation

Subcellular Organelles
DA August 21, 1991
USE Cell Constituents

Subcontractors
DA March 23, 1983
USE Contractors

SUBCOOLED BOILING [01]
DA December 1, 1974
UF *Local Boiling*
UF *Surface Boiling*
BT1 Boiling
BT2 Phase Transformations

SUBCOOLING [01]
DA December 1, 1974
BT1 Cooling
RT Vapor Condensation

SUBCRITICAL ASSEMBLIES [01]
DA December 1, 1974
UF *Exponential Piles*
UF *Fast Breeder Blanket Facility (FBBF)*
UF *Neutron Multiplier Facility*
UF *SR-OB Reactor*
BT1 Experimental Reactors
BT2 Research and Test Reactors
BT3 Reactors
NT1 PSE Reactor
NT1 STSF Assembly

Subcritical Flow
DA December 1, 1974
USE Laminar Flow

Subcritical Time-of-Flight Spectrum Facility
DA December 1, 1974
USE STSF Assembly

SUBCRITICALITY
DA April 8, 1975
RT Criticality
RT Fission
RT Reactor Kinetics

SUBCUTANEOUS INJECTION [01]
DA December 1, 1974
BT1 Injection
BT2 Intake

SUBDUCTION ZONES
DA August 22, 1985
RT Benioff Zone
RT Plate Tectonics
RT Seismicity
DEF A narrow belt in which one lithospheric plate descends under another.

SUBLETHAL IRRADIATION [01]
DA December 1, 1974
BT1 Irradiation
RT Dose-Response Relationships
RT Lethal Irradiation
RT Lethal Radiation Dose
RT Radiation Doses

SUBLIMATION [01]
DA December 1, 1974
BT1 Evaporation
BT2 Phase Transformations
RT Refining
RT Separation Processes
RT Sublimation Cooling
RT Sublimation Heat

SUBLIMATION COOLING [01]
DA December 1, 1974
BT1 Cooling
RT Sublimation

SUBLIMATION HEAT [01]
DA December 1, 1974
UF *Heat of Sublimation*
UF *Latent Heat of Sublimation*
BT1 Transition Heat
BT2 Enthalpy
BT3 Thermodynamic Properties
BT4 Physical Properties
RT Ablation
RT Sublimation

SUBMARINE CANYONS
DA October 24, 1981
RT Continental Shelf
RT Continental Slope
RT Sea Bed
RT Topography
DEF Steep valley-like submarine depressions crossing the continental margin.

SUBMARINES [01]
DA December 1, 1974
UF *Underwater Vehicles*
BT1 Ships
RT Nuclear Ships
RT S8G Prototype Reactor
DEF Any self-powered underwater craft or towed underwater barges and arrays.

SUBMERGED ARC WELDING [01]
DA December 1, 1974
BT1 Arc Welding
BT2 Welding
BT3 Joining
BT4 Fabrication

Subsidence (Ground)
DA October 1, 1975
USE Ground Subsidence

SUBSIDIES
DA May 3, 1979
BT1 Financial Incentives
RT Economics
RT Financing

SUBSONIC FLOW [01]
DA December 1, 1974
BT1 Fluid Flow
RT Aerodynamics
RT Compressible Flow

Substitution Equivalent
DA May 31, 1979
USE Energy Substitution Equivalent

Substitution Techniques
DA December 1, 1974
USE Pile Replacement Techniques

SUBSTOICHIOMETRY [01]
DA December 1, 1974
RT Activation Analysis
RT Impurities
RT Isotope Dilution
RT Quantitative Chemical Analysis

SUBSTRATES [01]
DA December 1, 1974
RT Catalyst Supports
RT Enzymes
RT Layers

Subsurface Environments
(Prior to August 1992 this was a valid descriptor.)
DA June 21, 1985
SEE Underground

SUBSURFACE STRUCTURES [01]
DA December 1, 1974
RT Civil Defense
RT Earth-Covered Buildings
RT Fallout Shelters
RT Shelters
RT Tunnels
RT Underground Facilities
RT Underground Space
RT Underground Storage

Subsystem Test Facility
DA November 8, 1980
USE MSSTF

SUBTERRENE PENETRATORS [01]
DA December 1, 1974
BT1 Drills
BT2 Drilling Equipment
BT3 Equipment
BT1 Earth Penetrators
BT2 Penetrators
RT Boreholes
RT Excavation
RT Materials Drilling
RT Melting
RT Rock Drilling
RT Tunnels
DEF Rock-melting equipment for excavation, drilling, and tunneling.

Suburbs
DA December 1, 1974
USE Urban Areas

SUCCINIC ACID [01]
DA December 1, 1974
BT1 Dicarboxylic Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
RT Aspartic Acid

Sucker Rod Pumps
DA May 10, 1984
USE Rod Pumps

Sucrose
DA December 1, 1974
USE Saccharose

SUDAN [01]
DA December 1, 1974
BT1 Africa
BT1 Arab Countries
BT1 Developing Countries
RT Nile River
RT Red Sea

→**SUDBURY NEUTRINO OBSERVATORY [01]**
(Sudbury, Ontario, Canada.)
DA September 10, 1992
RT Neutrino Detection
RT Underground Facilities

SUDDEN APPROXIMATION [01]
DA January 27, 1975
RT Collisions

SUDDEN COMMENCEMENTS [01]
DA December 1, 1974
RT Magnetic Storms

SUDDEN IONOSPHERIC DISTURBANCE [01]
DA December 1, 1974
UF *SID*
BT1 Disturbances
BT1 Ionospheric Storms
RT Ionosphere

SUEZ CANAL [01]
DA February 14, 1978
BT1 Surface Waters
RT Egyptian Arab Republic

Sugar
DA December 1, 1974
USE Saccharose

SUGAR BEETS [01]
DA June 2, 1977
BT1 Beets
BT2 Magnoliopsida
BT3 Magnoliophyta
BT4 Plants
BT2 Vegetables
BT3 Food
BT3 Plants

SUGAR CANE [01]
DA December 1, 1974
BT1 Reeds
BT2 Gramineae
BT3 Liliopsida
BT4 Magnoliophyta
BT5 Plants
RT Crops
RT Molasses

SUGAR INDUSTRY
DA August 4, 1981
BT1 Industry
RT Biomass
RT Saccharides
RT Saccharose

Sugars
DA December 1, 1974
USE Saccharides

SUGAWARA THEORY [01]
DA December 1, 1974
RT Quantum Field Theory

SULF-X PROCESS
DA February 22, 1985
BT1 Desulfurization
BT2 Chemical Reactions
DEF The SULF-X Process is a wet absorption process that utilizes a slurry of regenerated ferrous sulfide solids to achieve removal of 90 to 99% of sulfur dioxide from boiler flue gases by wet scrubbing. It is technically feasible for use with all fossil-fuel types.

SULFADIAZINE [01]
DA January 28, 1975
BT1 Amines
BT2 Organic Compounds
BT1 Pyrimidines
BT2 Azines
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
BT1 Sulfonamides
BT2 Amides
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
BT2 Antimicrobial Agents
BT3 Anti-Infective Agents
BT4 Drugs
BT2 Organic Sulfur Compounds
BT3 Organic Compounds

SULFAMIC ACID
DA January 22, 1975
BT1 Inorganic Acids
BT2 Hydrogen Compounds

SULFANILIC ACID [01]
DA December 1, 1974
UF *Aminobenzenesulfonic Acid-para*
BT1 Amines
BT2 Organic Compounds
BT1 Sulfonic Acids
BT2 Organic Acids
BT3 Organic Compounds
BT2 Organic Sulfur Compounds
BT3 Organic Compounds

SULFATE MINERALS [01]
DA May 12, 1982
BT1 Minerals
NT1 Alunite
NT1 Anhydrite
NT1 Barite
NT1 Gypsum
NT1 Johannite
NT1 Polyhalite
NT1 Schroeckingerite
NT1 Zippeite
RT Aluminium Sulfates
RT Barium Sulfates
RT Calcium Sulfates
RT Copper Sulfates
RT Magnesium Sulfates
RT Potassium Sulfates
RT Sodium Sulfates
RT Uranium Sulfates

SULFATE-REDUCING BACTERIA [01]
DA May 8, 1984
BT1 Bacteria
BT2 Microorganisms
NT1 Desulfovibrio
RT Desulfurization
RT Sulfur Cycle

SULFATES [01]
DA December 1, 1974
BT1 Oxygen Compounds
BT1 Sulfur Compounds
NT1 Acid Sulfates
NT1 Actinium Sulfates
NT1 Aluminium Sulfates
NT2 Alunite
NT1 Americium Sulfates
NT1 Ammonium Sulfates
NT1 Antimony Sulfates
NT1 Barium Sulfates
NT1 Berkelium Sulfates
NT1 Beryllium Sulfates
NT1 Bismuth Sulfates
NT1 Cadmium Sulfates
NT1 Calcium Sulfates
NT1 Californium Sulfates
NT1 Cerium Sulfates
NT1 Cesium Sulfates
NT1 Chromium Sulfates
NT1 Cobalt Sulfates
NT1 Copper Sulfates
NT1 Curium Sulfates
NT1 Dysprosium Sulfates
NT1 Erbium Sulfates
NT1 Europium Sulfates
NT1 Gadolinium Sulfates
NT1 Gallium Sulfates
NT1 Hafnium Sulfates
NT1 Holmium Sulfates
NT1 Indium Sulfates
NT1 Iridium Sulfates
NT1 Iron Sulfates
NT1 Lanthanum Sulfates
NT1 Lead Sulfates
NT1 Lithium Sulfates
NT1 Lutetium Sulfates
NT1 Magnesium Sulfates
NT1 Manganese Sulfates
NT1 Mercury Sulfates
NT1 Molybdenum Sulfates
NT1 Neodymium Sulfates
NT1 Neptunium Sulfates
NT1 Nickel Sulfates
NT1 Niobium Sulfates
NT1 Osmium Sulfates
NT1 Platinum Sulfates
NT1 Plutonium Sulfates
NT1 Potassium Sulfates
NT2 Alunite

NT1 Praseodymium Sulfates
NT1 Protactinium Sulfates
NT1 Radium Sulfates
NT1 Rhenium Sulfates
NT1 Rubidium Sulfates
NT1 Ruthenium Sulfates
NT1 Samarium Sulfates
NT1 Scandium Sulfates
NT1 Silver Sulfates
NT1 Sodium Sulfates
NT1 Strontium Sulfates
NT1 Tantalum Sulfates
NT1 Terbium Sulfates
NT1 Thallium Sulfates
NT1 Thorium Sulfates
NT1 Thulium Sulfates
NT1 Tin Sulfates
NT1 Titanium Sulfates
NT1 Uranium Sulfates
NT1 Uranyl Sulfates
NT1 Vanadium Sulfates
NT1 Ytterbium Sulfates
NT1 Yttrium Sulfates
NT1 Zinc Sulfates
NT1 Zirconium Sulfates
RT Glucuronide Conjugates
RT Glutathione Conjugates
RT Sulfation
RT Sulfuric Acid
RT Thiosulfates

SULFATION
DA July 8, 1991
BT1 Chemical Reactions
RT Oxidation
RT Sulfates
DEF Conversion of a compound into a sulfate by the oxidation of sulfur or the addition of a sulfate group.

SULFENAMIDES
DA January 28, 1975
BT1 Amides
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
BT1 Organic Sulfur Compounds
BT2 Organic Compounds

SULFEX PROCESS [01]
DA December 1, 1974
BT1 Reprocessing
BT2 Separation Processes
RT Solvent Extraction

Sulfhydryl Compounds
DA December 1, 1974
USE Thiols

SULFHYDRYL RADICALS [01]
DA December 1, 1974
BT1 Radicals

SULFIBAN PROCESS
DA September 14, 1976
BT1 Desulfurization
BT2 Chemical Reactions
DEF A process for coke oven gas desulfurization using mono-ethanolamine scrubbing.

SULFIDATION [01]
DA July 24, 1979
BT1 Chemical Reactions
RT Sulfur

SULFIDE MINERALS [01]
DA May 12, 1982
BT1 Minerals
NT1 Chalcopyrite
NT1 Cinnabar
NT1 Galena
NT1 Marcasite
NT1 Pyrite
NT1 Pyrrhotite
NT2 Troilite
NT1 Sphalerite
RT Copper Sulfides
RT Iron Sulfides
RT Lead Sulfides
RT Mercury Sulfides

SULFIDES [01]
DA December 1, 1974
UF *Polysulfides*
UF *Thioethers*
BT1 Chalcogenides
BT1 Sulfur Compounds
NT1 Aluminium Sulfides
NT1 Americium Sulfides
NT1 Antimony Sulfides
NT1 Arsenic Sulfides
NT1 Barium Sulfides
NT1 Berkelium Sulfides
NT1 Beryllium Sulfides
NT1 Bismuth Sulfides
NT1 Boron Sulfides
NT1 Cadmium Sulfides
NT1 Calcium Sulfides
NT1 Californium Sulfides
NT1 Carbon Sulfides
NT1 Cerium Sulfides
NT1 Cesium Sulfides
NT1 Chromium Sulfides
NT1 Cobalt Sulfides
NT1 Copper Sulfides
NT1 Curium Sulfides
NT1 Dimethyl Sulfide
NT1 Dysprosium Sulfides
NT1 Einsteinium Sulfides
NT1 Erbium Sulfides
NT1 Europium Sulfides
NT1 Fermium Sulfides
NT1 Gadolinium Sulfides
NT1 Gallium Sulfides
NT1 Germanium Sulfides
NT1 Hafnium Sulfides
NT1 Holmium Sulfides
NT1 Hydrogen Sulfides
NT1 Indium Sulfides
NT1 Iron Sulfides
NT2 Pyrrhotite
NT3 Troilite
NT1 Lanthanum Sulfides
NT1 Lead Sulfides
NT1 Lithium Sulfides
NT1 Lutetium Sulfides
NT1 Magnesium Sulfides
NT1 Manganese Sulfides
NT1 Mendelevium Sulfides
NT1 Mercury Sulfides
NT2 Cinnabar
NT1 Molybdenum Sulfides
NT1 Neodymium Sulfides
NT1 Neptunium Sulfides
NT1 Nickel Sulfides
NT1 Niobium Sulfides
NT1 Nobelium Sulfides
NT1 Osmium Sulfides
NT1 Palladium Sulfides
NT1 Phosphorus Sulfides
NT1 Platinum Sulfides
NT1 Plutonium Sulfides
NT1 Polonium Sulfides
NT1 Potassium Sulfides
NT1 Praseodymium Sulfides
NT1 Rhenium Sulfides
NT1 Rhodium Sulfides
NT1 Rubidium Sulfides
NT1 Ruthenium Sulfides
NT1 Samarium Sulfides
NT1 Scandium Sulfides
NT1 Selenium Sulfides
NT1 Silicon Sulfides
NT1 Silver Sulfides
NT1 Sodium Sulfides
NT1 Strontium Sulfides
NT1 Tantalum Sulfides
NT1 Technetium Sulfides
NT1 Tellurium Sulfides
NT1 Terbium Sulfides
NT1 Thallium Sulfides
NT1 Thorium Sulfides
NT1 Thulium Sulfides
NT1 Tin Sulfides
NT1 Titanium Sulfides
NT1 Tungsten Sulfides
NT1 Uranium Sulfides
NT1 Vanadium Sulfides
NT1 Ytterbium Sulfides
NT1 Yttrium Sulfides
NT1 Zinc Sulfides
NT1 Zirconium Sulfides
RT Oxysulfides

SULFINOL PROCESS
DA January 27, 1975
BT1 Desulfurization
BT2 Chemical Reactions
DEF Process for removal of acidic gas constituents, such as H_2S, CO_2, COS, and mercaptans, from natural, refinery, and synthesis gases and LNG feedstocks.

Sulfite Waste Liquor
DA August 8, 1978
USE Spent Liquors

SULFITES [01]
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
DA December 1, 1974
BT1 Oxygen Compounds
BT1 Sulfur Compounds
NT1 Acid Sulfites
RT Sulfurous Acid

SULFOCHLORINATION [01]
DA December 1, 1974
BT1 Chlorination
BT2 Halogenation
BT3 Chemical Reactions
BT1 Sulfonation
BT2 Chemical Reactions

Sulfocyanides
DA December 1, 1974
USE Thiocyanates

SULFONAMIDES [01]
DA December 1, 1974
BT1 Amides
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
BT1 Antimicrobial Agents
BT2 Anti-Infective Agents
BT3 Drugs
BT1 Organic Sulfur Compounds
BT2 Organic Compounds
NT1 Sulfadiazine
RT Sulfonic Acids

SULFONATES [01]
(For salts of sulfonic acids; for esters see SULFONIC ACID ESTERS.)
DA December 1, 1974
BT1 Organic Sulfur Compounds
BT2 Organic Compounds
NT1 Indocyanine Green
NT1 Petroleum Sulfonates
RT Sulfonic Acid Esters
RT Sulfonic Acids

SULFONATION [01]
DA December 1, 1974
BT1 Chemical Reactions
NT1 Sulfochlorination

SULFONES [01]
DA December 1, 1974
BT1 Organic Sulfur Compounds
BT2 Organic Compounds
NT1 SPADNS

SULFONIC ACID ESTERS [01]
DA December 1, 1974
BT1 Esters
BT2 Organic Compounds
BT1 Organic Sulfur Compounds
BT2 Organic Compounds
NT1 ABS
NT1 EMS
NT1 Methyl Methanesulfonate
NT1 Petroleum Sulfonates
RT Sulfonates
RT Sulfonic Acids

SULFONIC ACIDS [01]
DA December 1, 1974
BT1 Organic Acids
BT2 Organic Compounds
BT1 Organic Sulfur Compounds

BT2 Organic Compounds
NT1 Acid Chrome Dyes
NT1 Arsenazo
NT1 Beryllon
NT1 Bromosulfophthalein
NT1 Chromotropic Acid
NT1 Congo Red
NT1 Eriochrome Dyes
NT1 Erioglaucine
NT1 Evans Blue
NT1 Ferron
NT1 Methyl Orange
NT1 Nitroso-R Salt
NT1 SDPPH
NT1 SPADNS
NT1 Sulfanilic Acid
NT1 Taurine
NT1 Thorin
NT1 Tiron
NT1 Trypan Blue
NT1 Unithiol
RT Chloramines
RT Sulfonamides
RT Sulfonates
RT Sulfonic Acid Esters
RT Syntans

Sulfophenyl-Naphthalene-Sulfonic Acid
DA December 1, 1974
USE SPADNS

SULFOX PROCESS
DA January 23, 1976
BT1 Desulfurization
BT2 Chemical Reactions
DEF Conversion of hydrogen sulfide in some refinery gas or water streams to high-purity molten sulfur. Process operates on aqueous solution of ammonia and hydrogen sulfide, which may be refinery sour water or rich solution obtained by absorbing hydrogen sulfide from refinery gas with aqueous ammonia recycled from Sulfox unit.

SULFOXIDES [01]
DA December 1, 1974
BT1 Organic Sulfur Compounds
BT2 Organic Compounds
NT1 DMSO
NT1 DPSO

SULFREEN PROCESS
DA January 27, 1975
BT1 Desulfurization
BT2 Chemical Reactions
DEF Process for desulfurization of residue gas from Claus tail unit to produce liquid S; H_2S and SO_2 are made to react at temperatures below the S dew point of the reaction gas mixture.

SULFUR [01]
DA December 1, 1974
UF *Sulfur Sulfides*
BT1 Nonmetals
BT2 Elements
RT BAMAG Process
RT Cleanair Process
RT Otto Process
RT Penelec Process
RT RESOX Process
RT Sour Crudes
RT Sulfidation
RT Sulfur Content

SULFUR 24 [01]
DA May 1, 1978
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Sulfur Isotopes
BT2 Isotopes

SULFUR 27 [01]
DA May 8, 1984
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Sulfur Isotopes
BT2 Isotopes

SULFUR 28 [01]
DA May 8, 1984
BT1 Beta-Plus Decay
BT2 Beta Decay
BT3 Nuclear Decay
BT4 Decay
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Sulfur Isotopes
BT2 Isotopes

SULFUR 29 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Sulfur Isotopes
BT2 Isotopes

SULFUR 30 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Sulfur Isotopes
BT2 Isotopes

SULFUR 31 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Sulfur Isotopes
BT2 Isotopes

SULFUR 32 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
BT1 Sulfur Isotopes
BT2 Isotopes
RT Sulfur 32 Beams
RT Sulfur 32 Reactions

SULFUR 32 BEAMS [01]
DA June 30, 1975
BT1 Ion Beams
BT2 Beams
RT Sulfur 32

SULFUR 32 REACTIONS [01]
DA December 1, 1974
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions
RT Sulfur 32

SULFUR 32 TARGET [01]
DA July 9, 1976
BT1 Targets

SULFUR 33 [01]
DA December 1, 1974
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
BT1 Sulfur Isotopes
BT2 Isotopes

SULFUR 33 REACTIONS [01]
DA July 6, 1978
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

SULFUR 33 TARGET [01]
DA July 9, 1976
BT1 Targets

SULFUR 34 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
BT1 Sulfur Isotopes
BT2 Isotopes
RT Sulfur 34 Reactions

SULFUR 34 REACTIONS [01]
DA December 1, 1974
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions
RT Sulfur 34

SULFUR 34 TARGET [01]
DA July 9, 1976
BT1 Targets

SULFUR 35 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Sulfur Isotopes
BT2 Isotopes

SULFUR 36 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
BT1 Sulfur Isotopes
BT2 Isotopes

SULFUR 36 REACTIONS [01]
DA August 12, 1980
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

SULFUR 36 TARGET [01]
DA July 9, 1976
BT1 Targets

SULFUR 37 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Sulfur Isotopes
BT2 Isotopes

SULFUR 38 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Sulfur Isotopes
BT2 Isotopes

SULFUR 38 BEAMS [01]
DA February 24, 1987
BT1 Radioactive Ion Beams
BT2 Ion Beams
BT3 Beams

SULFUR 39 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Sulfur Isotopes
BT2 Isotopes
RT Sulfur 39 Reactions

SULFUR 39 REACTIONS [01]
DA July 18, 1985
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions
RT Sulfur 39

SULFUR 40 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Sulfur Isotopes
BT2 Isotopes

SULFUR 41 [01]
DA February 19, 1976
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Sulfur Isotopes
BT2 Isotopes

SULFUR 42 [01]
DA February 19, 1976
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Sulfur Isotopes
BT2 Isotopes

SULFUR 43 [01]
DA February 11, 1980
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Sulfur Isotopes
BT2 Isotopes

SULFUR 44 [01]
DA July 3, 1986
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Sulfur Isotopes
BT2 Isotopes

SULFUR 45 [01]
DA October 16, 1989
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Sulfur Isotopes
BT2 Isotopes

SULFUR 46 [01]
DA October 16, 1989
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Sulfur Isotopes
BT2 Isotopes

SULFUR 47 [01]
DA October 16, 1989
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Sulfur Isotopes
BT2 Isotopes

SULFUR 48 [01]
DA May 16, 1990
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Sulfur Isotopes
BT2 Isotopes

SULFUR ADDITIONS [01]
DA December 1, 1974
BT1 Alloys
NT1 Ni-Hard

Sulfur Carbides
DA December 1, 1974
USE Carbon Sulfides

SULFUR CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Sulfur Compounds

SULFUR COMPLEXES [01]
DA December 1, 1974
BT1 Complexes

SULFUR COMPOUNDS [01]
DA December 1, 1974
UF+ *Polythionates*
UF+ *Polythionic Acids*
NT1 Carbon Oxysulfide
NT1 Oxysulfides
NT1 Persulfates
NT1 Persulfuric Acid
* **NT1** Sulfates
* **NT1** Sulfides
NT1 Sulfites
NT2 Acid Sulfites
NT1 Sulfur Chlorides
NT1 Sulfur Fluorides
NT1 Sulfur Nitrides
NT1 Sulfur Oxides
NT2 Sulfur Dioxide
NT2 Sulfur Trioxide
NT1 Sulfuryl Compounds
RT Organic Sulfur Compounds

SULFUR CONTENT [01]
DA August 12, 1980
RT Chemical Composition
RT Coal
RT Sulfur

SULFUR CYCLE [01]
DA March 5, 1979
RT Ecological Concentration
RT Ecosystems
RT Metabolism
RT Mineral Cycling
RT Sulfate-Reducing Bacteria
RT Sulfur-Oxidizing Bacteria

SULFUR DIOXIDE [01]
DA January 31, 1975
BT1 Sulfur Oxides
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT2 Sulfur Compounds

SULFUR FLUORIDES [01]
DA December 1 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Sulfur Compounds
RT Gas-Insulated Substations

Sulfur Hydrides
DA December 1, 1974
USE Hydrogen Sulfides

SULFUR IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

SULFUR ISOTOPES [01]
DA December 1, 1974
BT1 Isotopes
NT1 Sulfur 24
NT1 Sulfur 27
NT1 Sulfur 28
NT1 Sulfur 29
NT1 Sulfur 30
NT1 Sulfur 31
NT1 Sulfur 32
NT1 Sulfur 33
NT1 Sulfur 34
NT1 Sulfur 35
NT1 Sulfur 36
NT1 Sulfur 37
NT1 Sulfur 38
NT1 Sulfur 39
NT1 Sulfur 40
NT1 Sulfur 41
NT1 Sulfur 42
NT1 Sulfur 43
NT1 Sulfur 44
NT1 Sulfur 45
NT1 Sulfur 46
NT1 Sulfur 47
NT1 Sulfur 48

SULFUR METERS [01]
DA December 11, 1978
BT1 Meters

BT2 Measuring Instruments
RT Chemical Analysis
RT Coal Gasification
RT Electrolytic Cells
RT Pollution Control Equipment

SULFUR NITRIDES [01]
DA December 1, 1974
UF *Nitrogen Sulfides*
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides
BT1 Sulfur Compounds

SULFUR ORES
DA June 14, 1978
BT1 Ores

SULFUR OXIDES [01]
DA December 1, 1974
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds
BT1 Sulfur Compounds
NT1 Sulfur Dioxide
NT1 Sulfur Trioxide

SULFUR-OXIDIZING BACTERIA [01]
DA January 27, 1984
BT1 Bacteria
BT2 Microorganisms
NT1 Rhodococcus
NT1 Thiobacillus Ferroxidans
NT1 Thiobacillus Oxidans
RT Desulfurization
RT Sulfur Cycle

Sulfur Sulfides
DA December 1, 1974
USE Sulfur

SULFUR TRIOXIDE [01]
DA February 20, 1975
BT1 Sulfur Oxides
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT2 Sulfur Compounds

SULFURIC ACID [01]
DA December 1, 1974
UF *Hydrogen Sulfates*
BT1 Inorganic Acids
BT2 Hydrogen Compounds
NT1 Persulfuric Acid
RT Acid Sulfates
RT Acid Sulfites
RT Sulfates
RT Sulfuric Acid Esters
RT Sulfuryl Compounds

SULFURIC ACID ESTERS [01]
DA January 22, 1975
UF+ *Sodium Lauryl Sulfates*
BT1 Esters
BT2 Organic Compounds
RT Sulfuric Acid

SULFUROUS ACID [01]
DA December 1, 1974
BT1 Inorganic Acids
BT2 Hydrogen Compounds
RT Sulfites

SULFURYL COMPOUNDS
DA January 22, 1975
BT1 Sulfur Compounds
RT Sulfuric Acid

SUM RULES [01]
DA December 1, 1974
BT1 Equations
RT Quantum Mechanics

SUMMER-1 REACTOR [01]
DA December 1, 1974
UF *Virgil C Summer-1 Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

SUMMIT-1 REACTOR [01]
DA December 1, 1974
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Helium Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 HTGR Type Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT2 Graphite Moderated Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors

SUMMIT-2 REACTOR [01]
DA December 1, 1974
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Helium Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 HTGR Type Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT2 Graphite Moderated Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors

SUN [01]
DA December 1, 1974
BT1 Main Sequence Stars
BT2 Stars
RT Chromosphere
RT Energy Sources
RT International Geophysical Year
RT International Quiet Sun Year
RT International Solar Maximum Year
RT Orbiting Solar Observatories
RT Photosphere
RT Sky
RT Solar Activity
RT Solar Atmosphere
RT Solar Corona
RT Solar Cycle
RT Solar Energy
RT Solar Flares
RT Solar Granulation
RT Solar Prominences
RT Solar Radiation
RT Solar Radio Bursts
RT Solar System
RT Solar Wind
RT Solar X-Ray Bursts

SUN BEAM OPERATION
DA November 20, 1986
BT1 Nuclear Explosions
BT2 Explosions
BT1 Underground Explosions
BT2 Explosions
RT Contained Explosions

SUN CHARTS
(Charts that map the height angle and horizontal angle of the sun for a given location and time.)
DA March 4, 1980
BT1 Diagrams
RT Altitude
RT Azimuth
RT Coordinates
RT Insolation
RT Solar Radiation

SUN SHADES
DA October 1, 1975
RT Buildings
RT Cooling Load
RT Curtains
RT Shading
RT Shutters

SUNDESERT-1 REACTOR [01]
(Blythe, California, USA)
DA May 7, 1977
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

SUNDESERT-2 REACTOR [01]
(Blythe, California, USA)
DA May 7, 1977
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

SUNFLOWER OIL
DA March 6, 1984
BT1 Vegetable Oils
BT2 Oils
BT3 Other Organic Compounds
BT4 Organic Compounds

SUNFLOWERS [01]
DA December 1, 1974
UF *Helianthus Annuus*
UF *Jerusalem Artichokes*
BT1 Magnoliopsida
BT2 Magnoliophyta
BT3 Plants

SUNNYSIDE DEPOSIT [01]
DA May 7, 1977
BT1 Oil Sand Deposits
BT2 Geologic Deposits
RT Oil Sands
RT Utah

SUNSHINE PROJECT [01]
DA December 1, 1974
UF *Project Sunshine*
RT Fallout

SUNSPOTS [01]
DA December 1, 1974
BT1 Solar Activity
BT1 Starspots
BT2 Stellar Activity
RT Photosphere
RT Solar Cycle

Super High Frequency Radiation
DA December 1, 1974
USE GHz Range 01-100
AND Radiowave Radiation

SUPER KUKLA REACTOR [01]
(Lawrence Livermore Laboratory prompt burst reactor.)
DA January 22, 1975
BT1 Pulsed Reactors
BT2 Reactors
BT1 Research and Test Reactors
BT2 Reactors

SUPER PHENIX REACTOR [01]
(Creys Malville, Isere, France)
DA May 6, 1975
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 LMFBR Type Reactors
BT2 FBR Type Reactors
BT3 Breeder Reactors
BT4 Reactors
BT3 Fast Reactors
BT4 Epithermal Reactors
BT5 Reactors
BT2 Liquid Metal Cooled Reactors

BT3 Reactors
BT1 Plutonium Reactors
BT2 Reactors
BT1 Sodium Cooled Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors

Super Power Water Boiler
DA December 1, 1974
USE SUPO Reactor

Superalloys
DA January 21, 1983
USE Heat Resisting Alloys

SUPERCHARGERS
DA January 22, 1975
UF *Supercharging*
BT1 Compressors
NT1 Turbochargers
RT Blowers
RT Internal Combustion Engines

Supercharging
DA January 28, 1975
USE Superchargers

SUPERCOMPUTERS [01]
DA November 9, 1984
BT1 Digital Computers
BT2 Computers
NT1 Cedar Computers
RT CDC Computers
RT Cray Computers
RT Denelcor Computers
RT Hypercube Computers
RT NEC Computers
DEF The largest, fastest, most powerful computers available at any given time.

SUPERCONDUCTING CABLES [01]
DA January 22, 1975
BT1 Electric Cables
BT2 Cables
BT2 Conductor Devices
BT3 Electrical Equipment
BT4 Equipment
RT Cryogenic Cables
RT Superconducting Composites
RT Superconducting Devices

SUPERCONDUCTING CAVITY RESONATORS [01]
DA February 20, 1975
BT1 Cavity Resonators
BT2 Resonators
BT3 Electronic Equipment
BT4 Equipment
BT1 Superconducting Devices
RT Cyclic Accelerators
RT Microwave Equipment
RT RF Systems

SUPERCONDUCTING COILS [01]
DA November 11, 1975
RT Magnet Coils
RT Magnetic Energy Storage Equipment
RT Superconducting Magnetic Energy Storage
RT Superconducting Magnets

SUPERCONDUCTING COLLOID DETECTORS [01]
DA November 1, 1976
BT1 Radiation Detectors
BT2 Measuring Instruments
BT1 Superconducting Devices

SUPERCONDUCTING COMPOSITES [01]
DA January 24, 1975
BT1 Composite Materials
BT2 Materials
RT Superconducting Cables
DEF Superconductors embedded or clad in a conductor matrix.

SUPERCONDUCTING CYCLOTRONS [01]
DA March 24, 1983
BT1 Cyclotrons
BT2 Cyclic Accelerators
BT3 Accelerators
NT1 Milan Superconducting Cyclotron
NT1 Texas Superconducting Cyclotron
RT Superconducting Devices

SUPERCONDUCTING DEVICES [01]
(Restricted to general or review articles and bibliographies.)
DA June 12, 1975
NT1 Cryotrons
NT1 Flux Pumps
NT1 SQUID Devices
NT1 Superconducting Cavity Resonators
NT1 Superconducting Colloid Detectors
NT1 Superconducting Generators
NT1 Superconducting Magnets
NT1 Superconducting Motors
RT Josephson Junctions
RT Superconducting Cables
RT Superconducting Cyclotrons
RT Superconducting Junctions

SUPERCONDUCTING FILMS [01]
DA June 12, 1975
BT1 Films
RT Superconductors

Superconducting Flux Pumps
DA March 27, 1975
USE Flux Pumps

SUPERCONDUCTING GENERATORS [01]
DA May 6, 1975
BT1 Electric Generators
BT1 Superconducting Devices

SUPERCONDUCTING JUNCTIONS [01]
DA December 1, 1974
BT1 Junctions
NT1 Josephson Junctions
RT Superconducting Devices
RT Superconductors
RT Tunnel Effect

SUPERCONDUCTING MAGNETIC ENERGY STORAGE
DA October 20, 1982
UF *SMES*
BT1 Magnetic Energy Storage
BT2 Energy Storage
BT3 Storage
RT Superconducting Coils
RT Superconducting Magnets

SUPERCONDUCTING MAGNETS [01]
DA December 1, 1974
BT1 Electromagnets
BT2 Electrical Equipment
BT3 Equipment
BT2 Magnets
BT1 Superconducting Devices
RT Large Coil Program
RT Magnet Coils
RT Magnetic Energy Storage
RT Magnetic Energy Storage Equipment
RT Superconducting Coils
RT Superconducting Magnetic Energy Storage
RT Superconductors

SUPERCONDUCTING MOTORS [01]
DA April 8, 1975
BT1 Electric Motors
BT2 Motors
BT3 Engines
BT1 Superconducting Devices

Superconducting Quantum Interference Devices
DA December 1, 1974
USE SQUID Devices

SUPERCONDUCTING SUPER COLLIDER [01]
DA March 6, 1984
UF *Desertron*
BT1 Storage Rings

SUPERCONDUCTING WIRES [01]
DA June 12, 1975
BT1 Wires
RT Superconductors

SUPERCONDUCTIVITY [01]
DA December 1, 1974
BT1 Electric Conductivity
BT2 Electrical Properties
BT3 Physical Properties
RT Abrikosov Theory
RT AC Losses
RT Anyons
RT BCS Theory
RT Belyaev Theory
RT Bogolyubov Method
RT Coherence Length
RT Collective Excitations
RT Cooper Pairs
RT Critical Current
RT Critical Field
RT Cryogenics
RT Electron-Electron Coupling
RT Electron-Hole Coupling
RT Electron-Ion Coupling
RT Electron-Phonon Coupling
RT Energy Gap
RT Flux Quantization
RT Ginzburg-Landau Theory
RT Gorkov-Eliashberg Theory
RT Helicon Resonance
RT High-Tc Superconductors
RT Hubbard Model
RT Intermediate State
RT Josephson Effect
RT Kisslinger-Sorensen Theory
RT Kosterlitz-Thouless Theory
RT London Equation
RT Magnetic Flux
RT Meissner-Ochsenfeld Effect
RT Mendelssohn Model
RT Mixed State
RT Penetration Depth
RT Pippard Theory
RT Proximity Effect
RT Quenching
RT Tunnel Effect

SUPERCONDUCTORS [01]
DA December 1, 1974
NT1 High-Tc Superconductors
NT1 Landau Domain Structure
NT1 Organic Superconductors
NT2 BEDT-TTF
NT2 TMTSF
NT2 TTF-TCNQ
NT1 Stabilized Superconductors
NT1 Type-I Superconductors
NT1 Type-II Superconductors
RT Abrikosov Theory
RT Electric Conductors
RT Magnetic Shielding
RT SQUID Devices
RT Superconducting Films
RT Superconducting Junctions
RT Superconducting Magnets
RT Superconducting Wires
RT TMTSF
RT TTF-TCNQ

SUPERCONVERGENCE RELATIONS [01]
DA December 1, 1974
RT Convergence
RT Mathematics
RT Series Expansion

Supercritical Flow
DA December 1, 1974
USE Turbulent Flow

SUPERCRITICAL FLUID CHROMATOGRAPHY [01]
DA July 7, 1983
BT1 Chromatography
BT2 Separation Processes

RT Capillaries
RT Chemical Analysis

SUPERCRITICAL GAS EXTRACTION
DA November 14, 1978
BT1 Solvent Extraction
BT2 Extraction
BT3 Separation Processes
RT Coal Liquefaction
RT Coal Liquids
DEF Extraction of a substance with a solvent in its supercritical state.

SUPERCRITICAL STATE [01]
DA July 8, 1986
RT Critical Pressure
RT Critical Temperature
DEF Homogeneous phase existing above critical temperature and above critical pressure.

SUPERDISLOCATIONS [01]
DA December 1, 1974
RT Dislocations
DEF Groups of dislocations with specific space configuration.

SUPERFLUID MODEL [01]
DA December 1, 1974
BT1 Nuclear Models
BT2 Mathematical Models

SUPERFLUIDITY [01]
DA December 1, 1974
RT Bose-Einstein Condensation
RT Cryogenics
RT Fifth Sound
RT Film Flow
RT Fluid Flow
RT Fourth Sound
RT Ginzburg-Pitaevskii Theory
RT Helium 3 A
RT Helium 3 A1
RT Helium 3 B
RT Helium II
RT Khalatnikov Theory
RT Lambda Point
RT Landau Liquid Helium Theory
RT Second Sound
RT Third Sound
RT Viscosity
RT Vortex Flow
RT Zero Sound

Superfund
(Prior to November 1991 this was a valid descriptor.)
DA January 28, 1985
USE US Superfund
DEF Comprehensive Environmental Response, Compensation, and Liability Act of 1980; Public law 96-510.

SUPERGIANT STARS [01]
DA December 1, 1974
BT1 Giant Stars
BT2 Stars

Supergranulation
DA December 1, 1974
USE Solar Granulation

SUPERGRAVITY [01]
DA November 10, 1977
BT1 Unified-Field Theories
BT2 Field Theories
RT Compactification
RT Gauge Invariance
RT Graded Lie Groups
RT Gravitation
RT Gravitons
RT Kaluza-Klein Theory
RT Quantum Field Theory
RT Quantum Gravity
RT Supersymmetry
DEF A theory connecting fermion-boson supersymmetry with gravitation.

SUPERHEATERS [01]
DA December 1, 1974
UF *Steam Superheaters*
RT Reactor Cooling Systems
RT Steam Generators
RT Superheating

SUPERHEATING [01]
DA December 1, 1974
BT1 Heating
NT1 Nuclear Superheating
RT Steam
RT Superheaters

Superheavy Elements
DA December 1, 1974
USE Trans 104 Elements

Superheterodyne Receivers
DA June 12, 1975
USE Heterodyne Receivers

SUPERHILAC [01]
DA December 1, 1974
UF *Berkeley Superhilac*
BT1 Hilacs
BT2 Heavy Ion Accelerators
BT3 Accelerators
BT2 Linear Accelerators
BT3 Accelerators
RT Bevalac

SUPERIOR PROCESS
DA March 8, 1977
RT Oil Shales
DEF Circular-grate retort used in processing shale; nahcolite and dawsonite are co-products with shale oil.

SUPERLATTICES [01]
DA December 1, 1974
RT Order-Disorder Transformations
RT Solid Solutions

SUPERMASSIVE STARS [01]
(Of the order of 100000 solar masses.)
DA December 1, 1974
BT1 Stars

SUPERMULTIPLETS [01]
DA December 1, 1974
BT1 Multiplets

SUPERNOVA REMNANTS [01]
DA December 1, 1974
BT1 Cosmic Radio Sources
NT1 Crab Nebula
RT Pulsars
RT Supernovae

SUPERNOVAE [01]
DA December 1, 1974
BT1 Eruptive Variable Stars
BT2 Variable Stars
BT3 Stars
RT Novae
RT Supernova Remnants

SUPEROPERATORS [01]
(Acting on another mathematical operator(s).)
DA December 1, 1974
BT1 Mathematical Operators

SUPEROXIDE DISMUTASE [01]
DA February 10, 1984
BT1 Oxidoreductases
BT2 Enzymes
BT3 Proteins
BT4 Organic Compounds

SUPEROXIDE RADICALS
(O_2)
DA August 24, 1977
BT1 Radicals

SUPERPARAMAGNETISM [01]
DA April 19, 1976
BT1 Magnetism

SUPERPHOSPHATES [01]
DA December 1, 1974
BT1 Acid Phosphates
BT2 Phosphates
BT3 Oxygen Compounds
BT3 Phosphorus Compounds
BT1 Fertilizers

SUPERRADIANCE [01]
DA May 6, 1980
BT1 Photon Emission
BT2 Emission
BT1 Stimulated Emission
BT2 Emission
BT2 Energy-Level Transitions
RT Atoms
RT Fluorescence
RT Laser Radiation
DEF A fast cooperative spontaneous deexcitation process in which an ensemble of atoms emit an intense burst of radiation.

SUPERSATURATION [01]
DA December 1, 1974
BT1 Saturation
RT Precipitation
RT Solubility
RT Solutions

SUPERSELECTION RULES [01]
DA December 1, 1974
BT1 Selection Rules
RT Quantum Mechanics

SUPERSONIC FLOW [01]
DA December 1, 1974
BT1 Fluid Flow
RT Aerodynamics
RT Compressible Flow
RT Shock Waves
RT Transonic Flow
RT Wind Tunnels

SUPERSONIC TRANSPORT [01]
DA December 1, 1974
BT1 Air Transport
BT2 Transport
RT Cosmic Radiation
RT Solar Flares
RT Stratosphere

→**SUPERSTRING MODELS [01]**
DA June 2, 1992
BT1 String Models
BT2 Extended Particle Model
BT3 Particle Models
BT4 Mathematical Models
BT2 Quark Model
BT3 Composite Models
BT4 Particle Models
BT5 Mathematical Models
RT Particle Structure
RT Supersymmetry

Supersymmetric Particles
DA March 16, 1988
USE Sparticles

SUPERSYMMETRY [01]
DA May 1, 1978
BT1 Symmetry
RT Graded Lie Groups
RT Group Theory
RT Quantum Field Theory
RT Supergravity
RT Superstring Models
RT Unified-Field Theories

Supertankers
DA March 31, 1976
USE Tanker Ships

SUPERTHERM
DA August 9, 1979
BT1 Chromium Alloys
BT2 Alloys
BT1 Cobalt Alloys
BT2 Alloys
BT1 Iron Alloys
BT2 Alloys
BT1 Nickel Alloys
BT2 Alloys
BT1 Silicon Alloys
BT2 Alloys

BT1 Tungsten Alloys
BT2 Alloys

Supervoltage Radiotherapy
DA December 1, 1974
USE Radiotherapy

SUPO REACTOR [01]
(Los Alamos Scientific Lab., Los Alamos, New Mexico, USA.)
DA December 1, 1974
UF *Los Alamos Water Boiler Reactor*
UF *Super Power Water Boiler*
BT1 Aqueous Homogeneous Reactors
BT2 Liquid Homogeneous Reactors
BT3 Fluid Fueled Reactors
BT4 Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

SUPPLY AND DEMAND [01]
DA March 8, 1978
RT Demand
RT Demand Factors
RT Domestic Supplies
RT Economics
RT Energy Demand
RT Energy Supplies
RT Market
RT Spot Market
RT Supply Disruption
RT Trade
DEF Relationship between the quantity that producers wish to sell at various prices and the quantity of a commodity that consumers wish to buy.

SUPPLY DISRUPTION [01]
DA October 23, 1979
RT Embargoes
RT Energy Supplies
RT Shortages
RT Supply and Demand

SUPPORT PILLARS
DA June 6, 1979
RT Supports

SUPPORTED LIQUID MEMBRANES
DA September 24, 1985
BT1 Membranes
RT Membrane Transport
RT Separation Processes

SUPPORTS [01]
DA December 1, 1974
BT1 Mechanical Structures
NT1 Foundations
NT1 Fuel Racks
NT1 Powered Supports
NT2 Shield Supports
RT Catalyst Supports
RT Mining Equipment
RT Reactor Core Restraints
RT Restraints
RT Roof Bolts
RT Support Pillars

Supports (Catalyst)
DA October 7, 1980
USE Catalyst Supports

Suppression
DA January 26, 1976
USE Inhibition

Supralethal Doses
DA December 1, 1974
USE Supralethal Irradiation

SUPRALETHAL IRRADIATION [01]
DA December 1, 1974
UF *Supralethal Doses*
BT1 Irradiation
RT Death
RT Dose-Response Relationships
RT Lethal Irradiation
RT Lethal Radiation Dose
RT Mortality
RT Radiation Doses

SUR-100 Aachen
DA December 1, 1974
USE SUR-100 Series Reactor

SUR-100 Berlin
DA December 1, 1974
USE SUR-100 Series Reactor

SUR-100 Bremen
DA December 1, 1974
USE SUR-100 Series Reactor

SUR-100 Darmstadt
DA December 1, 1974
USE SUR-100 Series Reactor

SUR-100 Hamburg
DA December 1, 1974
USE SUR-100 Series Reactor

SUR-100 Karlsruhe
DA December 1, 1974
USE SUR-100 Series Reactor

SUR-100 Kiel
DA December 1, 1974
USE SUR-100 Series Reactor

SUR-100 Muenchen
DA December 1, 1974
USE SUR-100 Series Reactor

SUR-100 SERIES REACTOR [01]
DA December 1, 1974
UF *Siemens Unterrichtsreaktor*
UF *SUR-100 Aachen*
UF *SUR-100 Berlin*
UF *SUR-100 Bremen*
UF *SUR-100 Darmstadt*
UF *SUR-100 Hamburg*
UF *SUR-100 Karlsruhe*
UF *SUR-100 Kiel*
UF *SUR-100 Muenchen*
UF *SUR-100 Stuttgart*
UF *SUR-100 Ulm*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Organic Moderated Reactors
BT2 Reactors
BT1 Solid Homogeneous Reactors
BT2 Homogeneous Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors

SUR-100 Stuttgart
DA December 1, 1974
USE SUR-100 Series Reactor

SUR-100 Ulm
DA December 1, 1974
USE SUR-100 Series Reactor

SURCHARGES
DA November 23, 1979
BT1 Charges
BT1 Taxes
DEF Extra or additional fee or tax, usually for some special service.

SURF II STORAGE RING [01]
(NBS Synchrotron Ultraviolet Radiation Facility.)
DA August 20, 1984
UF *NBS Synchrotron Ultraviolet Radiation Facility*
BT1 Storage Rings
BT1 Synchrotron Radiation Sources
BT2 Radiation Sources

Surface-Active Agents
DA December 1, 1974
USE Surfactants

SURFACE AIR [01]
DA December 1, 1974
BT1 Air
BT2 Gases
BT3 Fluids
RT Earth Atmosphere
RT Particle Resuspension

SURFACE AREA [01]
(See also SPECIFIC SURFACE AREA.)
DA September 19, 1977
BT1 Surface Properties
RT Surfaces
DEF Extent of the area covered by a surface.

SURFACE BARRIER DETECTORS [01]
DA December 1, 1974
BT1 Semiconductor Detectors
BT2 Radiation Detectors
BT3 Measuring Instruments
RT Depletion Layer
RT Surface Barrier Transistors

SURFACE BARRIER TRANSISTORS [01]
DA December 1, 1974
BT1 Transistors
BT2 Semiconductor Devices
RT Depletion Layer
RT Surface Barrier Detectors

Surface Boiling
DA December 1, 1974
USE Subcooled Boiling

SURFACE CLEANING [01]
DA December 1, 1974
BT1 Cleaning
BT1 Surface Finishing
RT Decontamination
RT Descaling
RT Polishing
RT Scrapers
RT Shot Peening

SURFACE COATING [01]
DA December 1, 1974
UF *Coating (Surface)*
UF *Coating Processes*
BT1 Deposition
NT1 Chemical Coating
NT2 Chemical Vapor Deposition
NT2 Electrochemical Coating
NT3 Anodization
NT1 Cladding
NT1 Diffusion Coating
NT1 Dip Coating
NT2 Hot Dipping
NT1 Electrodeposition
NT2 Electroplating
NT1 Energy Beam Deposition
NT1 Physical Vapor Deposition
NT1 Plating
NT2 Electroplating
NT2 Vapor Plating
NT1 Screen Printing
NT1 Spin-on Coating
NT1 Spray Coating
NT2 Flame Spraying
NT2 Plasma Arc Spraying
NT1 Vacuum Coating
RT Coatings
RT Corrosion Protection
RT Hard Facing
RT Lining Processes
RT Surface Finishing
RT Waterproofing

SURFACE CONTAMINATION [01]
DA December 1, 1974
UF *Contamination (Surface)*
UF *Soiling*
BT1 Contamination
RT Decontamination
RT Radioactivity

SURFACE CONTAMINATION MONITORS [01]
DA December 1, 1974
BT1 Radiation Monitors
BT2 Monitors
BT3 Measuring Instruments
RT Contamination

Surface Delta Interaction
DA April 7, 1975
USE Surface Delta Potential

SURFACE DELTA POTENTIAL [01]
DA April 7, 1975
UF *Modified Surface Delta Potential*
UF *Surface Delta Interaction*
BT1 Nucleon-Nucleon Potential
BT2 Potentials

Surface-Effect Machines
DA August 9, 1977
USE Air Cushion Vehicles

SURFACE ENERGY [01]
DA February 5, 1975
BT1 Free Energy
BT2 Energy
BT2 Thermodynamic Properties
BT3 Physical Properties
BT1 Surface Properties
DEF Free energy per unit area of surface.

SURFACE EXPLOSIONS [01]
DA December 1, 1974
BT1 Explosions
NT1 Bravo Event
NT1 Holly Event
NT1 Middle Gust Event
NT1 Mike Event
NT1 Zuni Event
RT Buffalo Project
RT Cratering Explosions
RT Craters
RT Ionospheric Effects
RT Jangle Project
RT Nuclear Excavation
RT Nuclear Explosions
RT Plowshare Project

SURFACE FINISHING [01]
DA December 1, 1974
UF *Finishing (Surface)*
NT1 Descaling
NT1 Etching
NT1 Polishing
NT2 Chemical Polishing
NT2 Electropolishing
NT2 Mechanical Polishing
NT1 Surface Cleaning
RT Coatings
RT Machining
RT Metallography
RT Surface Coating
RT Surface Hardening

SURFACE FORCES
DA May 31, 1979
RT Mechanics
DEF An external force which acts only on the surface of a body.

SURFACE HARDENING [01]
DA December 1, 1974
BT1 Hardening
BT1 Surface Treatments
NT1 Carburization
RT Cold Working
RT Shot Peening
RT Surface Finishing

SURFACE IONIZATION [01]
DA June 16, 1975
BT1 Ionization
NT1 Adiabatic Surface Ionization
RT Ion Thrusters

SURFACE MINING [01]
DA January 27, 1975
BT1 Mining
NT1 Cross-Ridge Mining
RT Auger Mining
RT Coal Mining
RT Contained Explosions
RT Cratering Explosions
RT Culm
RT Excavation
RT Fracturing
RT Mines
RT Mining Engineering
RT Oil Sand Mining
RT Oil Shale Mining
RT Slope Stability
RT Underground Mining

SURFACE MINING ACTS [01]
DA April 27, 1978
BT1 Mining Laws
BT2 Laws

SURFACE POTENTIAL [01]
DA April 11, 1979
BT1 Potentials
RT Surface Properties
RT Work Functions

SURFACE PROPERTIES [01]
DA December 1, 1974
NT1 Emissivity
NT1 Reflectivity
NT1 Roughness
NT1 Sorptive Properties
NT1 Surface Area
NT1 Surface Energy
NT1 Surface Tension
RT Adhesion
RT Adsorption
RT Ceramography
RT Corrosion
RT Physical Properties
RT Surface Potential
RT Surface Treatments
RT Waterproofing
RT Wettability

SURFACE TENSION [01]
DA December 1, 1974
UF *Tension (Surface)*
SF *Interfacial Tension*
BT1 Surface Properties
RT Surfactants
RT Tensiometers

SURFACE TREATMENTS [01]
DA December 1, 1974
NT1 Pickling
NT2 Corrosion Pickling
NT1 Shot Peening
NT1 Surface Hardening
NT2 Carburization
RT Sample Preparation
RT Surface Properties
RT Waterproofing

SURFACE WATERS [01]
DA December 1, 1974
NT1 Coastal Waters
NT2 Bays
NT3 Bay of Biscay
NT3 Bay of Fundy
NT3 Biscayne Bay
NT3 Chesapeake Bay
NT3 Delaware Bay
NT3 Galveston Bay
NT3 Matagorda Bay
NT3 Onslow Bay
NT3 Prudhoe Bay
NT3 Sequim Bay
NT1 Estuaries
NT2 Fiords
NT2 Long Island Sound
NT1 Lakes
NT2 Ambrosia Lake
NT2 Athabasca Lake
NT2 Dead Sea
NT2 Great Lakes
NT3 Lake Erie
NT3 Lake Huron
NT3 Lake Michigan
NT3 Lake Ontario
NT3 Lake Superior
NT2 Great Salt Lake
NT2 Lago Maggiore
NT2 Lake Baikal
NT2 Lake Balaton
NT2 Lake Wabamun
NT2 Salton Sea
NT1 Panama Canal
NT1 Ponds
NT2 Cooling Ponds
NT2 Settling Ponds
NT2 Solar Ponds
NT3 Roof Ponds
NT1 Seas
NT2 Antarctic Ocean
NT2 Arctic Ocean
NT3 Beaufort Sea
NT4 Prudhoe Bay
NT3 Chukchi Sea
NT2 Atlantic Ocean
NT3 Baltimore Canyon
NT3 Bay of Biscay
NT3 Bay of Fundy
NT3 Biscayne Bay
NT3 Caribbean Sea
NT4 Gulf of Mexico
NT5 Galveston Bay
NT5 San Antonio Bay
NT3 Chesapeake Bay
NT3 Gulf of Maine
NT3 Irish Sea
NT3 Long Island Sound
NT3 Mid-Atlantic Bight
NT4 New York Bight
NT3 North Sea
NT3 Onslow Bay
NT3 Sargasso Sea
NT3 South Atlantic Bight
NT3 Weddell Sea
NT2 Baltic Sea
NT2 Bass Strait
NT2 Black Sea
NT2 Caspian Sea
NT2 Indian Ocean
NT3 Arabian Sea
NT4 Persian Gulf
NT5 Strait of Hormuz
NT2 Marmara Sea
NT2 Mediterranean Sea
NT3 Adriatic Sea
NT2 Pacific Ocean
NT3 Bering Sea
NT3 China Sea
NT3 Gulf of Alaska
NT3 Gulf of California
NT3 Humboldt Bay
NT3 Puget Sound
NT3 San Francisco Bay
NT3 Santa Barbara Channel
NT3 Sequim Bay
NT2 Red Sea
NT3 Gulf of Suez
NT2 Tasman Sea
NT1 Streams
NT2 Rivers
NT3 Allegheny River
NT3 Altamaha River
NT3 Amazon River
NT3 Arkansas River
NT3 Au Sable River
NT3 Blind River
NT3 Brazos River
NT3 Cape Fear River
NT3 Chattahoochee River
NT3 Clinch River
NT3 Colorado River
NT3 Columbia River
NT3 Connecticut River
NT3 Crystal River
NT3 Cumberland River
NT3 Danube River
NT3 Delaware River
NT3 Detroit River
NT3 Dnieper River
NT3 Fraser River
NT3 Ganga River
NT3 Grand River
NT3 Gunnison River
NT3 Hudson River
NT3 James River
NT3 Kennebec River

NT3 Lewis River
NT3 Little Tennessee River
NT3 Menominee River
NT3 Mississippi River
NT3 Missouri River
NT3 Mohawk River
NT3 Nelson River
NT3 Niagara River
NT3 Niger River
NT3 Nile River
NT3 North Platte River
NT3 Ohio River
NT3 Ottawa River
NT3 Peace River
NT3 Piceance Creek
NT3 Po River
NT3 Potomac River
NT3 Pripet River
NT3 Rhine River
NT3 Rhone River
NT3 Rio Grande River
NT3 Saginaw River
NT3 Saint Clair River
NT3 Saint John River
NT3 Santee River
NT3 Savannah River
NT3 Scioto River
NT3 Severn River
NT3 Skagit River
NT3 St Lawrence River
NT3 Susquehanna River
NT3 Tennessee River
NT3 Thames River
NT3 Tigris River
NT3 Volga River
NT3 White River
NT3 Yangtze River
NT3 Yellow Creek
NT3 Yukon River
NT1 Suez Canal
NT1 Swimming Pools
NT1 Territorial Waters
NT1 Water Reservoirs
NT2 Cooling Ponds
RT Air-Water Interactions
RT Alluvial Deposits
RT Floods
RT Ground Water
RT Hydrology
RT Hydrosphere
RT Irrigation
RT Liquid Wastes
RT Marshes
RT Plankton
RT Swamps
RT Water
RT Water Currents
RT Water Resources
RT Watersheds
RT Wetlands

Surface Waves (Seismic)
DA July 5, 1978
USE Seismic Surface Waves

SURFACES [01]
DA December 1, 1974
NT1 Spectrally Selective Surfaces
RT Absorptivity
RT Adsorption
RT Blisters
RT Interfaces
RT Rewetting
RT Surface Area
RT Topological Foliation
RT Two-Dimensional Calculations

Surfacing, Hard
DA July 5, 1978
USE Hard Facing

SURFACTANTS [01]
DA December 1, 1974
UF *Dispersants (Chemical)*
UF *Surface-Active Agents*
SF *Chemicals*
NT1 Wetting Agents
NT2 Detergents
NT3 Pluronics
RT Surface Tension

SURGERY [01]
DA December 1, 1974
UF+ *Radiosurgery*
UF+ *Sympathectomy*
UF+ *Vagotomy*
BT1 Medicine
NT1 Adrenalectomy
NT1 Castration
NT1 Gastrectomy
NT1 Hepatectomy
NT1 Hypophysectomy
NT1 Laryngectomy
NT1 Nephrectomy
NT1 Plastic Surgery
NT1 Splenectomy
NT1 Thymectomy
NT1 Thyroidectomy
RT Anesthesia
RT Surgical Materials
RT Therapy

SURGES [01]
DA April 8, 1975
RT Electric Controllers
RT Electric Currents
RT Electric Potential
RT Electrical Transients
RT Fluid Flow
RT Overcurrent
RT Overvoltage
RT Pulses
RT Transients
RT VAR Control Systems
RT Voltage Regulators

SURGICAL MATERIALS [01]
DA December 1, 1974
BT1 Materials
BT1 Medical Supplies
RT Isomed
RT Prostheses
RT Surgery

SURINAM [01]
DA December 1, 1974
BT1 Developing Countries
BT1 South America
BT2 Latin America

SURMAC Reactors
(Prior to July 1985, this was a valid descriptor and older material is so indexed.)
DA January 23, 1978
USE Surmac Tokamak

SURMAC TOKAMAK [01]
DA February 9, 1983
UF *SURMAC Reactors*
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

SURPLUS NUCLEAR FACILITIES
DA January 15, 1986
BT1 Nuclear Facilities
DEF DOE-owned radioactively contaminated facilities that have been declared surplus.

SURPLUS POWER [01]
DA February 10, 1984
BT1 Electric Power
BT2 Power
RT Electric Utilities
RT Sellback
DEF Electric power generating capacity in excess of firm load requirements.

SURRY-1 REACTOR [01]
(Gravel Neck, Virginia, USA)
DA December 1, 1974
UF *Surry Power Station Unit-1*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

SURRY-2 REACTOR [01]
(Gravel Neck, Virginia, USA)
DA December 1, 1974
UF *Surry Power Station Unit-2*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

SURRY-3 REACTOR [01]
(Gravel Neck, Virginia, USA)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

SURRY-4 REACTOR [01]
(Gravel neck, Virginia, USA)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

Surry Power Station Unit-1
DA December 1, 1974
USE Surry-1 Reactor

Surry Power Station Unit-2
DA December 1, 1974
USE Surry-2 Reactor

SURVEILLANCE
DA December 1, 1974
NT1 Medical Surveillance
RT Physical Protection Devices
RT Safeguards
RT Security

Surveillance (Medical)
DA December 1, 1974
USE Medical Surveillance

Surveillance (Radioactivity)
DA December 1, 1974
USE Radiation Monitoring

Survey (Radioactivity)
DA December 1, 1974
USE Radiation Monitoring

SURVEY MONITORS [01]
DA December 1, 1974
BT1 Radiation Monitors
BT2 Monitors
BT3 Measuring Instruments

SURVEYS
DA May 6, 1980
NT1 Geochemical Surveys
NT1 Geologic Surveys
NT1 Geophysical Surveys
NT2 Electrical Surveys
NT3 Electromagnetic Surveys
NT4 Magnetotelluric Surveys
NT3 Resistivity Surveys
NT3 Self-Potential Surveys
NT3 Telluric Surveys
NT2 Geodetic Surveys
NT2 Gravity Surveys

NT2 Infrared Surveys
NT2 Magnetic Surveys
NT2 Radiometric Surveys
NT2 Seismic Surveys
NT2 Temperature Surveys
NT1 Marine Surveys
RT Information
RT Marketing Research
RT Public Opinion

SURVIVAL CURVES [01]
DA December 1, 1974
UF *Survival Fraction*
RT Biological Effects
RT Dose-Response Relationships
RT Lethal Irradiation
RT Mortality
RT Radiosensitivity

Survival Fraction
DA December 1, 1974
USE Survival Curves

SURVIVAL TIME [01]
DA December 1, 1974
RT Lethal Irradiation
RT Time Dependence

Susceptibility (Magnetic)
DA December 1, 1974
USE Magnetic Susceptibility

SUSE Cyclotron (Munich)
DA August 20, 1984
USE Munich SUSE Cyclotron

SUSPENSIONS [01]
DA December 1, 1974
BT1 Dispersions
NT1 Slurries
NT2 Fuel Slurries
RT Drilling Fluids
RT Filters
RT Fluidized Beds
RT Turbidity

Suspensions (Fuel)
DA December 1, 1974
USE Fuel Slurries

SUSQUEHANNA-1 REACTOR [01]
(Salem, Pennsylvania, USA)
DA December 1, 1974
UF *Susquehanna Steam Electric Station Unit-1*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

SUSQUEHANNA-2 REACTOR [01]
(Salem, Pennsylvania, USA)
DA December 1, 1974
UF *Susquehanna Steam Electric Station Unit-2*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

SUSQUEHANNA RIVER [01]
DA January 21, 1975
BT1 Rivers
BT2 Streams
BT3 Surface Waters
RT Maryland
RT New York
RT Pennsylvania

Susquehanna Steam Electric Station Unit-1
DA December 1, 1974
USE Susquehanna-1 Reactor

Susquehanna Steam Electric Station Unit-2
DA December 1, 1974
USE Susquehanna-2 Reactor

SUYDAM CRITERION [01]
DA December 1, 1974
UF *Suydam Theory*
RT Mercier Criterion
RT Plasma Instability

Suydam Theory
DA December 1, 1974
USE Suydam Criterion

Sv 40 Virus
DA December 1, 1974
USE Simian Virus

SW-3 GROUPS [01]
DA April 7, 1975
BT1 SW Groups
BT2 Lie Groups
BT3 Symmetry Groups

SW GROUPS [01]
DA April 7, 1975
BT1 Lie Groups
BT2 Symmetry Groups
NT1 SW-3 Groups

SWAGING [01]
DA December 1, 1974
BT1 Materials Working
BT2 Fabrication
RT Forging

SWAMPS [01]
DA July 7, 1976
UF *Bogs*
BT1 Terrestrial Ecosystems
BT2 Ecosystems
BT1 Wetlands
BT2 Aquatic Ecosystems
BT3 Ecosystems
RT Everglades National Park
RT Marshes
RT Surface Waters
DEF Waterlogged land supporting a natural vegetation predominantly of shrubs and trees.

SWAZILAND [01]
DA April 7, 1975
BT1 Africa
BT1 Developing Countries

SWEAT [01]
DA December 1, 1974
UF *Transpiration (Animal)*
BT1 Biological Wastes
BT2 Biological Materials
BT3 Materials
BT2 Wastes
BT1 Body Fluids
BT2 Biological Materials
BT3 Materials
RT Excretion
RT Skin

Sweat Glands
DA December 1, 1974
USE Glands
AND Skin

SWEDEN [01]
DA December 1, 1974
BT1 Developed Countries
BT1 Scandinavia
BT2 Western Europe
BT3 Europe
RT OECD
RT Ranstad Deposit

SWEDISH ORGANIZATIONS [01]
DA November 1, 1976
BT1 National Organizations

Swedish Reactor R-1
DA December 1, 1974
USE R-1 Reactor

Swedish Reactor R-2
DA December 1, 1974
USE R-2 Reactor

Swedish Reactor R2-0
DA December 1, 1974
USE R2-0 Reactor

SWEEP CIRCUITS [01]
DA December 1, 1974
BT1 Electronic Circuits
RT Timing Circuits

SWEEP EFFICIENCY
DA July 8, 1982
RT Enhanced Recovery
DEF The ratio of the volume of rock contacted by the displacing fluid to the total volume of rock subject to invasion by the displacing fluid.

SWEET GUMS [01]
(Liquidambar styraciflua.)
DA March 24, 1987
BT1 Magnoliopsida
BT2 Magnoliophyta
BT3 Plants
BT1 Trees
BT2 Plants

SWEETALLOY [01]
DA December 1, 1974
BT1 Nickel-Chromium Steels
BT2 Chromium Alloys
BT3 Alloys
BT2 Nickel Steels
BT3 Nickel Alloys
BT4 Alloys
BT3 Steels
BT4 Iron Base Alloys
BT5 Iron Alloys
BT6 Alloys
BT1 Stainless Steels
BT2 High Alloy Steels
BT3 Steels
BT4 Iron Base Alloys
BT5 Iron Alloys
BT6 Alloys

SWELLING [01]
DA December 1, 1974
RT Blisters
RT Expansion
RT Thermal Expansion

SWESSAR STANDARD PLANT [01]
(Stone and Webster reference PWR nuclear power plant.)
DA May 15, 1975
BT1 Nuclear Power Plants
BT2 Nuclear Facilities
BT2 Thermal Power Plants
BT3 Power Plants

Swierk Agata Reactor
DA April 7, 1975
USE Agata Reactor

Swierk ANNA Reactor
DA April 7, 1975
USE ANNA Reactor

Swierk EWA Reactor
DA April 7, 1975
USE EWA Reactor

SWIERK LINAC [01]
DA December 1, 1974
BT1 Linear Accelerators
BT2 Accelerators

Swierk Maria Reactor
DA April 7, 1975
USE Maria Reactor

SWIERK R-2 REACTOR [01]
DA December 1, 1974
UF *R-II Swierk Reactor*
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors

Swierk Research Reactor Maryla
DA December 1, 1974
USE Maryla Reactor

Swimming
DA December 1, 1974
USE Exercise

Swimming Pool Reactors
DA December 1, 1974
USE Pool Type Reactors

Swimming Pool Tank Reactor Austria
DA December 1, 1974
USE ASTRA Reactor

SWIMMING POOLS
DA October 28, 1975
BT1 Surface Waters

SWINE [01]
DA December 1, 1974
UF *Pigs*
BT1 Domestic Animals
BT2 Animals
BT1 Mammals
BT2 Vertebrates
BT3 Animals
NT1 Miniature Swine
RT Meat

Swirl Flow
(Prior to October 1981, this was a valid descriptor.)
DA November 1, 1976
USE Vortex Flow

Swiss Institute Nuclear Research Cyclotron
DA December 1, 1974
USE SIN Cyclotron

SWISS ORGANIZATIONS [01]
DA October 7, 1980
BT1 National Organizations

SWITCHES [01]
DA December 1, 1974
UF *Contactors*
UF *Electric Contactors*
UF *Electric Switches*
BT1 Electrical Equipment
BT2 Equipment
NT1 Plasma Switches
NT1 Semiconductor Switches
RT Bimetals
RT Circuit Breakers
RT Connectors
RT Electric Contacts
RT Electric Discharges
RT Electric Fuses
RT Equipment Protection Devices
RT Insulating Oils
RT Q-Switching
RT Relays
RT Switching Circuits

SWITCHING CIRCUITS [01]
DA December 1, 1974
BT1 Electronic Circuits
NT1 Transistor Switching Circuits
RT Circuit Breakers
RT Counting Circuits
RT Gating Circuits
RT Relays
RT Switches
RT Thyratrons
RT Thyristors

SWITCHING DIODES [01]
DA December 1, 1974
BT1 Semiconductor Diodes
BT2 Semiconductor Devices
RT Transistor Switching Circuits

SWITZERLAND [01]
DA December 1, 1974
BT1 Developed Countries
BT1 Western Europe
BT2 Europe
RT Alps
RT OECD
RT Rhine River
RT Rhone River

SWORDFISH EVENT [01]
DA December 1, 1974
BT1 Dominic Project
BT2 Nuclear Explosions
BT3 Explosions
BT1 Underwater Explosions
BT2 Explosions

SWPA
DA March 29, 1980
USE Southwestern Power Administration

SYCAMORES [01]
DA March 27, 1979
BT1 Magnoliopsida
BT2 Magnoliophyta
BT3 Plants
BT1 Trees
BT2 Plants

Sydsvenska Kraft AB Reactor 1
DA December 1, 1974
USE Barsebaeck-1 Reactor

Sydsvenska Kraft AB Reactor 2
DA July 6, 1978
USE Barsebaeck-2 Reactor

SYENITES [01]
DA August 12, 1980
BT1 Plutonic Rocks
BT2 Igneous Rocks
BT3 Rocks
RT Feldspars

SYMBIOSIS [01]
DA May 13, 1976
UF *Commensalism*
UF *Mutualism*
RT Animals
RT Biology
RT Ecology
RT Frankia
RT Mycorrhizas
RT Predator-Prey Interactions
DEF The intimate living together of two organisms of different species, for mutual or one-sided benefit.

SYMBIOTIC STARS [01]
(Objects whose spectra have characteristics of disparate spectral classes.)
DA March 24, 1983
BT1 Stars
RT Accretion Disks
RT Binary Stars

Symbolic Logic
DA November 11, 1975
USE Mathematical Logic

SYMMETRY [01]
DA December 1, 1974
NT1 Axial Symmetry
NT1 Boson-Fermion Symmetry
NT1 Chiral Symmetry
NT1 Crossing Symmetry
NT1 Supersymmetry
NT1 Unitary Symmetry
RT Asymmetry
RT Configuration
RT Distribution
RT Invariance Principles
RT Orientation
RT Symmetry Breaking
RT Symmetry Groups

SYMMETRY BREAKING [01]
DA December 1, 1974
RT Compactification
RT Higgs Bosons
RT Instantons
RT Symmetry
RT Symmetry Groups

SYMMETRY GROUPS [01]
DA December 1, 1974
NT1 Dynamical Groups
NT2 O Groups
NT1 Lie Groups
NT2 Conformal Groups
NT2 De Sitter Group
NT2 Graded Lie Groups
NT2 O Groups
NT2 Poincare Groups
NT3 Lorentz Groups
NT2 SL Groups
NT2 SO Groups
NT3 SO-10 Groups
NT3 SO-12 Groups
NT3 SO-2 Groups
NT3 SO-3 Groups
NT3 SO-4 Groups
NT3 SO-6 Groups
NT3 SO-8 Groups
NT2 SP Groups
NT2 SU Groups
NT3 SU-2 Groups
NT3 SU-3 Groups
NT3 SU-4 Groups
NT3 SU-5 Groups
NT3 SU-6 Groups
NT3 SU-7 Groups
NT3 SU-8 Groups
NT3 SU-9 Groups
NT2 SW Groups
NT3 SW-3 Groups
NT2 U Groups
NT3 U-1 Groups
NT3 U-12 Groups
NT3 U-2 Groups
NT3 U-3 Groups
NT3 U-4 Groups
NT3 U-5 Groups
NT3 U-6 Groups
RT Casimir Operators
RT Current Algebra
RT Group Theory
RT Irreducible Representations
RT Nonunitary Representations
RT Symmetry
RT Symmetry Breaking

Sympathectomy
DA December 1, 1974
USE Autonomic Nervous System
AND Surgery

Sympathetic Nervous System
DA December 1, 1974
USE Autonomic Nervous System

SYMPATHOLYTICS [01]
DA December 1, 1974
UF *Adrenergics-Blocking Agents*
BT1 Autonomic Nervous System Agents
BT2 Drugs
NT1 Ergotamine
NT1 Reserpine
RT Neuroregulators
RT Parasympatholytics
RT Parasympathomimetics
RT Sympathomimetics

SYMPATHOMIMETICS [01]
DA December 1, 1974
UF *Adrenergics*
BT1 Autonomic Nervous System Agents
BT2 Drugs
NT1 Adrenaline
NT1 Amphetamines

NT1 Benzedrine
NT1 Dopamine
NT1 Ephedrine
NT1 Noradrenaline
NT1 Serotonin
NT2 Bufotenine
NT1 Tyramine
RT Neuroregulators
RT Parasympatholytics
RT Parasympathomimetics
RT Sympatholytics

Symplectic Groups
DA December 1, 1974
USE SP Groups

Symposia
DA December 1, 1974
USE Meetings

SYMPTOMS [01]
(c)
DA December 1, 1974
NT1 Anemias
NT2 Ischemia
NT2 Megaloblastic Anemia
NT2 Sickle Cell Anemia
NT2 Thalassemia
NT1 Ascites
NT1 Constipation
NT1 Diarrhea
NT1 Edema
NT1 Erythema
NT1 Fever
NT1 Heart Failure
NT1 Hemorrhage
NT1 Hypertension
NT1 Inflammation
NT1 Jaundice
NT1 Nausea
NT1 Pain
NT1 Splenomegaly
NT1 Uremia
NT1 Vomiting
RT Chlorosis
RT Diagnosis
RT Diseases
RT Pathological Changes

SYNCHROCYCLOTRONS [01]
DA December 1, 1974
UF *Phasotrons*
BT1 Cyclic Accelerators
BT2 Accelerators
NT1 Berkeley Synchrocyclotron
NT1 CERN Synchrocyclotron
NT1 Chicago Synchrocyclotron
NT1 Dubna Synchrocyclotron
NT1 Goettingen Synchrocyclotron
NT1 Harvard Synchrocyclotron
NT1 Harwell Synchrocyclotron
NT1 IKO Synchrocyclotron
NT1 Leningrad Synchrocyclotron
NT1 McGill Synchrocyclotron
NT1 Orsay Synchrocyclotron
NT1 Uppsala Synchrocyclotron
RT Cyclotrons
RT Synchrotrons

SYNCHRONIZATION [01]
DA December 16, 1976
RT Cell Cycle
RT Coincidence Methods
RT Resonance
RT Synchronous Cultures
RT Tuning

SYNCHRONOUS CULTURES [01]
DA December 1, 1974
BT1 Cell Cultures
RT Cell Cycle
RT Synchronization

Synchrophasotrons
DA December 1, 1974
USE Synchrotrons

SYNCHROTRON OSCILLATIONS [01]
DA December 1, 1974
BT1 Beam Dynamics
BT1 Oscillations

SYNCHROTRON RADIATION [01]
DA December 1, 1974
UF *Bremsstrahlung (Magnetic)*
UF *Magnetic Bremsstrahlung*
BT1 Bremsstrahlung
BT2 Electromagnetic Radiation
BT3 Radiations
RT Cyclotron Radiation
RT KEK Photon Factory
RT NSLS
RT Synchrotron Radiation Sources

SYNCHROTRON RADIATION SOURCES [01]
DA May 31, 1979
BT1 Radiation Sources
NT1 Advanced Light Source
NT1 Advanced Photon Source
NT1 INDUS-I
NT1 INDUS-II
NT1 KEK Photon Factory
NT1 LNLS Storage Ring
NT1 NSLS
NT1 Spring-8 Storage Ring
NT1 SURF II Storage Ring
RT Light Sources
RT Synchrotron Radiation
RT X-Ray Sources

SYNCHROTRONS [01]
DA December 1, 1974
UF *Synchrophasotrons*
BT1 Cyclic Accelerators
BT2 Accelerators
NT1 Bevatron
NT1 Birmingham Synchrotron
NT1 Bonn Synchrotron
NT1 Brookhaven AGS
NT1 Caltech Synchrotron
NT1 Cambridge Electron Accelerator
NT1 CERN PS Synchrotron
NT1 CERN SPS Synchrotron
NT1 Cornell 2-GeV Synchrotron
NT1 Cornell 10-GeV Synchrotron
NT1 Cosmotron
NT1 Cosy Storage Ring
NT1 DESY
NT1 Erevan Synchrotron
NT1 Escar Storage Ring
NT1 Fermilab Accelerator
NT1 Fermilab Tevatron
NT1 FIAN Synchrotron
NT1 Frascati Synchrotron
NT1 Glasgow Synchrotron
NT1 HIMAC Accelerator
NT1 IPNS-I Synchrotron
NT1 ITEP Synchrotron
NT1 JINR Synchrotron
NT1 KEK Synchrotron
NT1 LAMPF II Synchrotron
NT1 LUSY
NT1 MURA Synchrotron
NT1 Nimrod
NT1 Nina
NT1 NSLS
NT1 Omnitron
NT1 Orsay Synchrotron
NT1 Pakhra Synchrotron
NT1 Princeton Synchrotron
NT1 Saturne
NT1 Saturne II
NT1 Serpukhov Synchrotron
NT1 Serpukhov Tevatron
NT1 SIS Synchrotron
NT1 Tokyo Synchrotron
NT1 Tomsk Synchrotron
NT1 ZGS
RT Synchrocyclotrons

Syncrude
DA January 29, 1975
USE Synthetic Petroleum

SYNERGISM [01]
DA December 1, 1974
RT Biochemistry
RT Biological Effects
RT Solvent Extraction

SYNGAMUS [01]
DA December 1, 1974
BT1 Nematodes
BT2 Aschelminthes
BT3 Helminths
BT4 Parasites
RT Chickens

SYNGAS PROCESS
DA August 4, 1981
BT1 Waste Processing
BT2 Processing
BT2 Waste Management
BT3 Management
RT Intermediate BTU Gas
RT Materials Recovery
RT Pyrolysis

Synovia
DA December 1, 1974
USE Bone Joints

Synroc
DA March 13, 1981
USE Synthetic Rocks

SYNROC PROCESS [01]
DA March 29, 1980
BT1 Radioactive Waste Processing
BT2 Radioactive Waste Management
BT3 Waste Management
BT4 Management
BT2 Waste Processing
BT3 Processing
BT3 Waste Management
BT4 Management
RT Hollandite
RT Perovskite
RT Zirconolite

SYNTANS
DA September 28, 1976
RT Aromatics
RT Sulfonic Acids
DEF Any class of synthetic tanning materials that are sulfonated condensation products of aromatic compounds with formaldehyde or some other aldehyde.

SYNTHANE PROCESS
DA January 27, 1975
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes
RT SNG Processes
DEF U.S. Bureau of Mines process for producing intermediate- or high-Btu gas by reacting coal with steam and oxygen in a fluidized-bed gasifier at 1800°F and 500-1000 psi pressure.

SYNTHESIS [01]
DA December 1, 1974
UF *Formation*
NT1 Biosynthesis
NT1 Chemical Preparation
NT1 Hydrothermal Synthesis
NT1 Nucleosynthesis
NT2 Thermonuclear Reactions
NT3 Impact Fusion
NT3 Muon-Catalyzed Fusion
NT1 Photosynthesis

SYNTHESIS GAS [01]
DA January 24, 1975
BT1 Gases
BT2 Fluids
RT Beacon Process
RT HTW Process
RT Methanation
RT Segas Process
DEF A mixture of gases made specifically for use in a synthesis process.

Synthetases
DA December 1, 1974
USE Ligases

SYNTHETIC-APERTURE RADAR
DA March 29, 1980
BT1 Radar

BT2 Range Finders
BT3 Measuring Instruments
RT Remote Sensing
DEF A radar system in which an aircraft moving along a straight path emits microwave pulses continuously at a frequency constant enough to be coherent for a period during which the aircraft may have traveled one kilometer; all echoes returned during the period can then be processed as if a single antenna as long as the flight path had been used.

Synthetic Crude Oil
DA January 29, 1975
USE Synthetic Petroleum

SYNTHETIC FUELS [01]
DA January 24, 1975
SF *Alternate Fuels*
BT1 Fuels
NT1 Alcohol Fuels
NT2 Ethanol Fuels
NT2 Methanol Fuels
NT1 Hydrogen Fuels
NT1 Pyrolytic Oils
NT1 Synthetic Petroleum
RT Anaerobic Digestion
RT Autotrophs
RT Biomass Conversion Plants
RT Coal Gasification
RT Coal Liquefaction
RT CRG Processes
RT Fuel Gas
RT Gasohol Program
RT M-Gas Process
RT Mobil M-gasoline Process
RT Pyrolysis Products
RT Pyrolytic Gases
RT Refuse Derived Fuels
RT Synthetic Fuels Corporation
RT Synthetic Fuels Industry
RT Synthetic Fuels Refineries
RT Wood Oils

SYNTHETIC FUELS CORPORATION
DA July 23, 1980
UF *Energy Security Corporation*
UF *National Energy Security Corporation*
BT1 US Organizations
BT2 National Organizations
RT Energy Policy
RT Energy Source Development
RT Renewable Energy Sources
RT Synthetic Fuels
RT US Energy Security Act
DEF Federally funded corporation to finance and expedite development of alternative energy sources.

SYNTHETIC FUELS INDUSTRY [01]
DA October 13, 1976
BT1 Industry
RT Synthetic Fuels
RT Synthetic Fuels Refineries

SYNTHETIC FUELS REFINERIES [01]
DA March 16, 1981
BT1 Industrial Plants
RT Synthetic Fuels
RT Synthetic Fuels Industry

SYNTHETIC LUBRICANTS
DA June 16, 1981
BT1 Lubricants
RT Friction
RT Lubrication
RT Tribology

SYNTHETIC MATERIALS
DA May 18, 1981
BT1 Materials
NT1 Plastics
NT2 Aramids
NT2 Bakelite
NT2 Formvar
NT2 Laminac
NT2 Lucite
NT2 Mylar
NT2 Nylon
NT2 *Perspex*
NT2 Plexiglas
NT2 Polystyrene
NT2 Polyurethanes
NT3 Halthane
NT2 Reinforced Plastics
NT2 Tedlar
NT2 Teflon
NT2 Thermoplastics
NT1 Synthetic Rocks
RT Fibers
RT Petrochemicals
RT Rubbers

Synthetic Natural Gas
DA January 29, 1975
USE High BTU Gas

SYNTHETIC PETROLEUM
DA January 24, 1975
UF *Syncrude*
UF *Synthetic Crude Oil*
BT1 Synthetic Fuels
BT2 Fuels
RT Coal Liquids
RT Mobil M-gasoline Process
RT Petroleum
RT Shale Oil

SYNTHETIC ROCKS [01]
DA March 13, 1981
UF *Synroc*
BT1 Rocks
BT1 Synthetic Materials
BT2 Materials

Synthine Process
DA May 6, 1975
USE Fischer-Tropsch Synthesis

SYNTHOIL PROCESS
DA May 6, 1975
BT1 Coal Liquefaction
BT2 Liquefaction
BT3 Thermochemical Processes
DEF U.S. Bureau of Mines process for converting coal to fuel oil by feeding coal slurry into a fixed-bed catalytic reactor with turbulently flowing hydrogen. The operating conditions are 2000 to 4000 psig and the coal is liquefied and desulfurized.

SYNTHOL PROCESS
DA January 23, 1975
BT1 Coal Liquefaction
BT2 Liquefaction
BT3 Thermochemical Processes
DEF A reaction of CO and hydrogen with an iron and sodium carbonate catalyst to produce synthetic gasoline.

SYPHILIS [01]
DA December 1, 1974
BT1 Bacterial Diseases
BT2 Infectious Diseases
BT3 Diseases
RT Spirochaetes
RT Urogenital System Diseases

SYRACUSE CHEMICAL COMMINUTION PROCESS
DA July 27, 1982
BT1 Desulfurization
BT2 Chemical Reactions
RT Coal Preparation
DEF The process is based on the phenomenon that certain low molecular weight compounds, such as anhydrous ammonia, fracture coal along its natural maceral boundaries and mineral matter grain boundaries.

SYRIA [01]
DA December 1, 1974
BT1 Arab Countries
BT1 Asia
BT1 Developing Countries
BT1 Middle East
RT OAPEC

Syrian Hamster
DA December 1, 1974
USE Hamsters

Syrups
DA March 12, 1985
USE Molasses

SYSTEM FAILURE ANALYSIS [01]
DA June 16, 1975
BT1 Systems Analysis
NT1 Failure Mode Analysis
NT1 Fault Tree Analysis
DEF Techniques for analysing the events leading to, or following from, a potential, or actual, system failure.

SYSTEMS ANALYSIS [01]
(Used in the fields of technology research and management for problems such as the calculation of failure probabilities and for reliability studies of systems and components.)
DA January 24, 1975
NT1 System Failure Analysis
NT2 Failure Mode Analysis
NT2 Fault Tree Analysis
RT Control Systems
RT Energy Analysis
RT Failures
RT NCSR
RT Parametric Analysis
RT Reactor Protection Systems
RT Reactor Safety
RT Reliability
RT Safety Engineering
RT Simulation
RT Statistical Models
RT Statistics

SZILARD-CHALMERS REACTION [01]
DA December 1, 1974
BT1 Hot Atom Chemistry
BT2 Radiochemistry
BT3 Chemistry

SZR TYPE REACTORS [01]
DA December 1, 1974
UF *Sodium Cooled Zirconium Hydride Moderated Reactors*
BT1 Hydride Moderated Reactors
BT2 Reactors
BT1 Liquid Metal Cooled Reactors
BT2 Reactors
NT1 KNK Reactor
NT1 KNK-2 Reactor
RT Hydride Moderators
RT Power Reactors

T-7 TOKAMAK [01]
DA November 9, 1983
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

T-10 TOKAMAK [01]
DA November 9, 1983
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

→**T-14 TOKAMAK [01]**
DA August 30, 1993
UF *TSP Tokamak*
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

T-15 TOKAMAK [01]
DA July 10, 1984
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

T2EHP
DA December 1, 1982
UF *Tri-2-Ethylhexyl Phosphate*
BT1 Phosphoric Acid Esters
BT2 Esters
BT3 Organic Compounds
BT2 Organic Phosphorus Compounds
BT3 Organic Compounds

T3 Hormone
DA September 11, 1975
USE Triiodothyronine

T3 PROCESS
DA August 24, 1982
RT Oil Shales
RT Retorting
DEF Semi-continuous surface oil shale retorting process based on N-T-U batch process with added improvements.

T4 Hormone
DA September 11, 1975
USE Thyroxine

T-2200 Resonances
(Prior to February 1988 this was a valid descriptor.)
DA December 1, 1974
USE Rho3-2250 Mesons

T CHANNEL [01]
DA December 1, 1974
RT Mandelstam Representation
RT Particle Interactions
RT S Channel
RT U Channel

T CODES [01]
DA December 1, 1974
BT1 Computer Codes

T INVARIANCE [01]
DA December 1, 1974
UF *Time-Reversal Invariance*
BT1 Invariance Principles
NT1 Detailed Balance Principle

T Matrix
DA December 1, 1974
USE S Matrix

T TAURI STARS [01]
DA December 1, 1974
BT1 Eruptive Variable Stars
BT2 Variable Stars
BT3 Stars

TABAKIN POTENTIAL [01]
DA December 1, 1974
BT1 Potentials
RT Nuclear Potential
RT Nucleon-Nucleon Potential
RT Nucleons

TABLE MOUNTAIN AREA [01]
DA December 1, 1974
BT1 South Dakota
BT2 USA
BT3 Developed Countries
BT3 North America

Tables
(Prior to December 1991 this was a valid descriptor.)
DA December 1, 1974
SEE Data

TACHYONS [01]
DA December 1, 1974
BT1 Postulated Particles
BT2 Elementary Particles
DEF Hypothesized particles that travel faster than the velocity of light; they have an imaginary rest mass.

Tadpoles
DA December 1, 1974
USE Amphibians
AND Larvae

TAGGED PHOTON METHOD [01]
DA December 1, 1974
BT1 Coincidence Methods
BT2 Counting Techniques
RT Bremsstrahlung
RT Photons
RT Polarization

TAILINGS [01]
(Solid residue separated in the preparation of various products.)
DA May 31, 1979
BT1 Solid Wastes
BT2 Wastes
NT1 Mill Tailings
NT1 Oil Sand Tailings
RT Ore Processing
RT Separation Processes

TAIWAN [01]
DA January 21, 1975
UF *Formosa*
UF *Republic of China*
BT1 China
BT2 Asia
BT1 Islands

TAIWAN RESEARCH REACTOR [01]
DA December 1, 1974
BT1 Heavy Water Cooled Reactors
BT2 Reactors
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Materials Testing Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

TAJIKISTAN [01]
(Prior to April 1993, this was indexed by USSR.)
DA April 8, 1993
BT1 Asia

TAKAHAMA-1 REACTOR [01]
(Takahama, Fukui, Japan)
DA December 1, 1974
UF *Kansai-3 Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

TAKAHAMA-2 REACTOR [01]
(Takahama, Fukui, Japan)
DA December 1, 1974
UF *Kansai-4 Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

TAKAHAMA-3 REACTOR [01]
DA August 4, 1981
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

TAKAHAMA-4 REACTOR [01]
DA August 4, 1981
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

TAKAHAX PROCESS
DA January 27, 1975
BT1 Desulfurization
BT2 Chemical Reactions
DEF Process for removal of up to 99.9% of H_2S from gas streams particularly those with low initial H_2S concentration and/or high CO_2/H_2S ratios.

TAKENOYU GEOTHERMAL FIELD [01]
DA August 9, 1977
BT1 Geothermal Fields
RT Japan

TAKINOUE GEOTHERMAL FIELD [01]
DA April 27, 1978
BT1 Geothermal Fields
RT Hachimantai
RT Japan

TALC [01]
DA December 1, 1974
BT1 Silicate Minerals
BT2 Minerals
RT Magnesium Silicates

TALL OIL
DA November 8, 1980
BT1 Oils
BT2 Other Organic Compounds
BT3 Organic Compounds
DEF A yellow black, malodorous, resinous admixture derived from wood pulping waste liquors. It is used in lubricants and greases.

TALMI INTEGRALS [01]
DA December 1, 1974
BT1 Integrals
RT Shell Models

TALSPEAK PROCESS [01]
DA August 7, 1978
BT1 Separation Processes
RT Solvent Extraction

TAM
DA June 13, 1981
USE Tamoxifen

TAMM-DANCOFF METHOD [01]
DA December 1, 1974
BT1 Calculation Methods
RT Boson Expansion
RT Quantum Mechanics

Tammuz 1 Reactor
DA July 13, 1985
USE TZ1 Reactor

Tammuz-2 Reactor
DA July 18, 1985
USE TZ2 Reactor

TAMOXIFEN [01]
DA June 13, 1981
UF *TAM*
BT1 Organic Nitrogen Compounds
BT2 Organic Compounds
RT Estrogens
RT Receptors

TAN
(Prior to July 1985, this was a valid descriptor and older material is so indexed.)
DA May 6, 1975
USE Triacetoneamine-N-Oxyl

TANDEM ELECTROSTATIC ACCELERATORS [01]
(Prior to February 1979, information was indexed to Van de Graaff Accelerators.)
DA August 9, 1979
BT1 Electrostatic Accelerators
BT2 Accelerators
NT1 CRNL Mp Tandem Accelerator
NT1 Jaeri Tandem Accelerator
NT1 Learn Tandem Accelerator
NT1 Orsay Tandem Accelerator
NT1 Vivitron Tandem Accelerator
RT Dynamitrons
RT Van de Graaff Accelerators

Tandem Mirror Devices
DA April 17, 1981
SEE TMR Reactors
OR TMX Devices

Tandem Mirror Type Reactors
DA August 4, 1981
USE TMR Reactors

TANDEM MIRRORS [01]
(Prior to September 1983 this concept was indexed to TMX DEVICES.)
DA September 15, 1983
BT1 Magnetic Mirrors
BT2 Open Plasma Devices
BT3 Thermonuclear Devices
NT1 Gamma 10 Devices
NT1 Phaedrus Mirror Devices
NT1 Tara Devices
NT1 TMX Devices
RT TLM Configurations
RT TMR Reactors

TANK CIRCUITS [01]
DA December 1, 1974
BT1 Electronic Circuits
RT Stored Energy

Tank Farms
DA December 10, 1979
USE Storage Facilities

Tank Type Critical Assembly
DA December 1, 1974
USE TCA Reactor

TANK TYPE REACTORS [01]
DA December 1, 1974
BT1 Reactors
NT1 AARR Reactor
NT1 ALRR Reactor
NT1 AQUILON Reactor
NT1 ATR Reactor
NT1 ATSR Reactor
NT1 BORAX 1 Reactor
NT1 BORAX 2 Reactor
NT1 BORAX-3 Reactor
NT1 BORAX 4 Reactor
NT1 BORAX-5 Reactor
NT1 BR-02 Reactor
NT1 BR 1 Reactor
NT1 BR 2 Reactor
NT1 BR 3-VN Reactor
NT1 Cirus Reactor
NT1 CP-3 Reactor
NT1 CP 3M Reactor
NT1 CP-5 Reactor
NT1 DCA Reactor
NT1 Dido Reactor
NT1 Diorit Reactor
NT1 DMTR Reactor
NT1 DR 3 Reactor
NT1 ECO Reactor
NT1 EL 1 Reactor
NT1 EL 2 Reactor
NT1 EL-3 Reactor
NT1 EOCR Reactor
NT1 EOLE Reactor
NT1 ESADA VESR Reactor
NT1 ESSOR Reactor
NT1 ETR Reactor
NT1 ETRR-1 Reactor
NT1 EWA Reactor
NT1 FIR 1 Reactor
NT1 FR 2 Reactor
NT1 FRJ 2 Reactor
NT1 GETR Reactor
NT1 Grenoble Reactor
NT1 GTRR Reactor
NT1 HBWR Reactor
NT1 HFBR Reactor
NT1 HFIR Reactor
NT1 HFR Reactor
NT1 HIFAR Reactor
NT1 HWCTR Reactor
NT1 IRR 2 Reactor
NT1 Ispra 1 Reactor
NT1 JANUS Reactor
NT1 JEEP-2 Reactor
NT1 JMTR Reactor
NT1 JRR 2 Reactor
NT1 JRR 3 Reactor
NT1 Juno Reactor
NT1 Kamini Reactor
NT1 LITR Reactor
NT1 Loft Reactor
NT1 LPTR Reactor
NT1 MIR Reactor
NT1 MITR Reactor
NT1 MRR Reactor
NT1 MTR Reactor
NT1 MURR Reactor
NT1 NBSR Reactor
NT1 NETR Reactor
NT1 Nora Reactor
NT1 NRU Reactor
NT1 NRX Reactor
NT1 NTR Reactor
NT1 Nuclear Furnace Reactor
NT1 Orphee Reactor
NT1 ORR Reactor
NT1 Osiris Reactor
NT1 OWR Reactor
NT1 PBF Reactor
NT1 PBR Reactor
NT1 Pegase Reactor
NT1 Pelinduna Reactor
NT1 Pluto Reactor
NT1 PRCF Reactor
NT1 PRR Reactor
NT1 PSE Reactor
NT1 Purnima-3 Reactor
NT1 R 1 Reactor
NT1 R 2 Reactor
NT1 R-A Reactor
NT1 RA 0 Reactor
NT1 RA 2 Reactor
NT1 RA 3 Reactor
NT1 RA 5 Reactor
NT1 RAKE 2 Reactor
NT1 RB-3 Reactor
NT1 ROSPO Reactor
NT1 RPT Reactor
NT1 Safari 1 Reactor
NT1 SCA Reactor
NT1 SM-2 Reactor
NT1 SPERT-1 Reactor
NT1 SPERT 2 Reactor
NT1 SPERT-3 Reactor
NT1 SR 1 Reactor
NT1 SR-OA Reactor
NT1 Taiwan Research Reactor
NT1 TCA Reactor
NT1 Thermos Reactor
NT1 TRIGA 1-Michigan Reactor
NT1 TSR 1 Reactor
NT1 Venus Reactor
NT1 WNTR Reactor
NT1 WR-1 Reactor
NT1 WTR Reactor
* **NT1** WWR Type Reactors
NT1 ZED 2 Reactor
NT1 ZEEP Reactor
NT1 ZLFR Reactor
NT1 ZPR Reactor
RT MNS Reactor

TANKER SHIPS [01]
DA March 11, 1976
UF *Crude Carriers*
UF *Supertankers*
UF *ULCC*
UF *VLCC*
BT1 Ships
RT Lightering
RT Maritime Transport
RT Petroleum
RT Transport

TANKS [01]
DA December 1, 1974
BT1 Containers
NT1 Accumulators
NT2 Hydraulic Accumulators
NT1 Floating Roof Tanks
RT Hydrogen Storage
RT Liners
RT Sensible Heat Storage

TANNIC ACID [01]
DA December 1, 1974
UF *Digallic Acid*
UF *Gallotannic Acid*
UF *Tannin*
BT1 Carboxylic Acids
BT2 Organic Acids
BT3 Organic Compounds
BT1 Polyphenols
BT2 Phenols
BT3 Aromatics
BT4 Organic Compounds
BT3 Hydroxy Compounds
BT4 Organic Compounds

Tannin
DA December 1, 1974
USE Tannic Acid

TANTALATES [01]
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
DA December 1, 1974
BT1 Oxygen Compounds
BT1 Tantalum Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
RT Tantalum Oxides

TANTALITE [01]
DA December 1, 1974
BT1 Oxide Minerals
BT2 Minerals
RT Iron Oxides
RT Manganese Oxides
RT Tantalum Oxides

TANTALUM [01]
DA December 1, 1974
BT1 Transition Elements
BT2 Metals
BT3 Elements

TANTALUM 156 [01]
DA August 1, 1989
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Tantalum Isotopes
BT2 Isotopes

TANTALUM 157 [01]
DA October 23, 1979
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes

BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tantalum Isotopes
BT2 Isotopes

TANTALUM 158 [01]
DA October 23, 1979
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tantalum Isotopes
BT2 Isotopes

TANTALUM 159 [01]
DA October 23, 1979
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tantalum Isotopes
BT2 Isotopes

TANTALUM 160 [01]
DA October 23, 1979
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tantalum Isotopes
BT2 Isotopes

TANTALUM 161 [01]
DA October 23, 1979
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tantalum Isotopes
BT2 Isotopes

TANTALUM 162 [01]
DA November 13, 1985
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tantalum Isotopes
BT2 Isotopes

TANTALUM 163 [01]
DA August 25, 1980
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tantalum Isotopes
BT2 Isotopes

TANTALUM 164 [01]
DA September 10, 1982
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tantalum Isotopes
BT2 Isotopes

TANTALUM 165 [01]
DA September 10, 1982
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tantalum Isotopes
BT2 Isotopes

TANTALUM 166 [01]
DA June 12, 1976
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tantalum Isotopes
BT2 Isotopes

TANTALUM 167 [01]
DA April 19, 1976
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Tantalum Isotopes
BT2 Isotopes

TANTALUM 168 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Tantalum Isotopes
BT2 Isotopes

TANTALUM 169 [01]
DA August 19, 1975
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Tantalum Isotopes
BT2 Isotopes

TANTALUM 170 [01]
DA January 21, 1975
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Tantalum Isotopes
BT2 Isotopes

TANTALUM 171 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Tantalum Isotopes
BT2 Isotopes

TANTALUM 172 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes

BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Tantalum Isotopes
BT2 Isotopes

TANTALUM 173 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Tantalum Isotopes
BT2 Isotopes

TANTALUM 174 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Tantalum Isotopes
BT2 Isotopes

TANTALUM 175 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Tantalum Isotopes
BT2 Isotopes

TANTALUM 176 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Tantalum Isotopes
BT2 Isotopes

TANTALUM 177 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Tantalum Isotopes
BT2 Isotopes

TANTALUM 178 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Tantalum Isotopes
BT2 Isotopes

TANTALUM 179 [01]
DA December 1, 1974
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Tantalum Isotopes
BT2 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

TANTALUM 179 TARGET [01]
DA December 11, 1985
BT1 Targets

TANTALUM 180 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Tantalum Isotopes
BT2 Isotopes

TANTALUM 180 TARGET [01]
DA July 12, 1976
BT1 Targets

TANTALUM 181 [01]
DA December 1, 1974
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
BT1 Tantalum Isotopes
BT2 Isotopes

TANTALUM 181 TARGET [01]
DA July 9, 1976
BT1 Targets

TANTALUM 182 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Tantalum Isotopes
BT2 Isotopes

TANTALUM 182 TARGET [01]
DA November 1, 1976
BT1 Targets

TANTALUM 183 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Tantalum Isotopes
BT2 Isotopes

TANTALUM 184 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Tantalum Isotopes
BT2 Isotopes

TANTALUM 185 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Tantalum Isotopes
BT2 Isotopes

TANTALUM 186 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Tantalum Isotopes
BT2 Isotopes

TANTALUM ADDITIONS [01]
DA December 1, 1974
BT1 Tantalum Alloys
BT2 Alloys
NT1 Alloy-N-10M
NT1 Alloy-Nb94Mo4

TANTALUM ALLOY-T111
DA December 1, 1974
BT1 Alloy-Ta90W8Hf
BT2 Hafnium Alloys
BT3 Alloys
BT2 Tantalum Base Alloys
BT3 Tantalum Alloys
BT4 Alloys
BT2 Tungsten Alloys
BT3 Alloys
BT1 Tantalum Base Alloys
BT2 Tantalum Alloys
BT3 Alloys

TANTALUM ALLOY-T222 [01]
DA December 1, 1974
BT1 Tantalum Base Alloys
BT2 Tantalum Alloys
BT3 Alloys

TANTALUM ALLOYS [01]
DA December 1, 1974
BT1 Alloys
NT1 Alloy-B-1900
NT1 Alloy-C-103
NT1 Alloy-Mar-M246
NT1 Alloy-Ni46Cr23Co19Ti5Al4
NT2 Alloy-IN-939
NT1 Alloy-Ni61Cr16Co9Al3Ti3W3
NT2 Alloy-IN-738
NT1 Alloy-S-816
NT1 Alloy-V-36
NT1 Carboloy
NT1 Tantalum Additions
NT2 Alloy-N-10M
NT2 Alloy-Nb94Mo4
* NT1 Tantalum Base Alloys

TANTALUM BASE ALLOYS [01]
DA December 1, 1974
SF *Alloy-TA-10V*
BT1 Tantalum Alloys
BT2 Alloys
NT1 Alloy-Ta90W8Hf
NT2 Tantalum Alloy-T111
NT1 Astar 811C
NT1 Tantalum Alloy-T111
NT1 Tantalum Alloy-T222

TANTALUM BORIDES [01]
DA December 1, 1974
BT1 Borides
BT2 Boron Compounds
BT1 Tantalum Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

TANTALUM BROMIDES [01]
DA December 1, 1974
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Tantalum Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

TANTALUM CARBIDES [01]
DA December 1, 1974
BT1 Carbides
BT2 Carbon Compounds
BT1 Tantalum Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

TANTALUM CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Tantalum Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

TANTALUM COMPLEXES [01]
DA December 1, 1974
BT1 Transition Element Complexes
BT2 Complexes

TANTALUM COMPOUNDS [01]
DA December 1, 1974
BT1 Refractory Metal Compounds
BT1 Transition Element Compounds
NT1 Tantalates
NT1 Tantalum Borides
NT1 Tantalum Bromides
NT1 Tantalum Carbides
NT1 Tantalum Chlorides
NT1 Tantalum Fluorides
NT1 Tantalum Hydrides
NT1 Tantalum Hydroxides
NT1 Tantalum Iodides
NT1 Tantalum Nitrates
NT1 Tantalum Nitrides
NT1 Tantalum Oxides
NT2 Tapiolite
NT1 Tantalum Phosphates
NT1 Tantalum Phosphides
NT1 Tantalum Selenides
NT1 Tantalum Silicates
NT1 Tantalum Silicides
NT1 Tantalum Sulfates
NT1 Tantalum Sulfides
NT1 Tantalum Tellurides
NT1 Tantalum Tungstates

TANTALUM FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Tantalum Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

TANTALUM HYDRIDES [01]
DA December 1, 1974
BT1 Hydrides
BT2 Hydrogen Compounds
BT1 Tantalum Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

TANTALUM HYDROXIDES [01]
DA December 1, 1974
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds
BT1 Tantalum Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

TANTALUM IODIDES [01]
DA December 1, 1974
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds
BT1 Tantalum Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

TANTALUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

TANTALUM ISOTOPES [01]
DA December 1, 1974
BT1 Isotopes
NT1 Tantalum 156
NT1 Tantalum 157
NT1 Tantalum 158
NT1 Tantalum 159
NT1 Tantalum 160
NT1 Tantalum 161
NT1 Tantalum 162
NT1 Tantalum 163
NT1 Tantalum 164
NT1 Tantalum 165
NT1 Tantalum 166
NT1 Tantalum 167
NT1 Tantalum 168
NT1 Tantalum 169
NT1 Tantalum 170
NT1 Tantalum 171
NT1 Tantalum 172
NT1 Tantalum 173
NT1 Tantalum 174
NT1 Tantalum 175
NT1 Tantalum 176
NT1 Tantalum 177
NT1 Tantalum 178
NT1 Tantalum 179
NT1 Tantalum 180
NT1 Tantalum 181
NT1 Tantalum 182
NT1 Tantalum 183
NT1 Tantalum 184
NT1 Tantalum 185
NT1 Tantalum 186

TANTALUM NITRATES [01]
DA March 6, 1984
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds
BT1 Tantalum Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

TANTALUM NITRIDES [01]
DA December 1, 1974
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides
BT1 Tantalum Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

TANTALUM ORES [01]
DA December 1, 1974
BT1 Ores

TANTALUM OXIDES [01]
DA December 1, 1974
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds
BT1 Tantalum Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
NT1 Tapiolite
RT Hatchettolite
RT Oxide Minerals
RT Tantalates
RT Tantalite

TANTALUM PHOSPHATES [01]
DA June 12, 1975
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds
BT1 Tantalum Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

TANTALUM PHOSPHIDES [01]
DA September 14, 1976
BT1 Phosphides
BT2 Phosphorus Compounds
BT2 Pnictides
BT1 Tantalum Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

TANTALUM SELENIDES [01]
DA January 31, 1975
BT1 Selenides
BT2 Chalcogenides
BT2 Selenium Compounds
BT1 Tantalum Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

TANTALUM SILICATES [01]
DA March 27, 1979
BT1 Silicates
BT2 Oxygen Compounds
BT2 Silicon Compounds
BT1 Tantalum Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

TANTALUM SILICIDES [01]
DA January 31, 1975
BT1 Silicides
BT2 Silicon Compounds
BT1 Tantalum Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

TANTALUM SULFATES [01]
DA June 12, 1975
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds
BT1 Tantalum Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

TANTALUM SULFIDES [01]
DA December 1, 1974
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds
BT1 Tantalum Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

TANTALUM TELLURIDES [01]
DA November 11, 1975
BT1 Tantalum Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds

TANTALUM TUNGSTATES [01]
DA April 19, 1976
BT1 Tantalum Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
BT1 Tungstates

TANZANIA [01]
DA December 1, 1974
BT1 Africa
BT1 Developing Countries

Tapeworms
DA December 1, 1974
USE Cestodes

TAPIOLITE [01]
DA December 1, 1974
BT1 Iron Oxides
BT2 Iron Compounds
BT3 Transition Element Compounds
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT1 Niobium Oxides
BT2 Niobium Compounds
BT3 Refractory Metal Compounds
BT3 Transition Element Compounds
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT1 Oxide Minerals
BT2 Minerals
BT1 Tantalum Oxides
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT2 Tantalum Compounds
BT3 Refractory Metal Compounds
BT3 Transition Element Compounds

TAPIRO REACTOR [01]
DA December 1, 1974
BT1 Fast Reactors
BT2 Epithermal Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors

TAR [01]
DA December 1, 1974
BT1 Other Organic Compounds
BT2 Organic Compounds
NT1 Bitumens
NT2 Asphalts
NT3 Asphaltenes
NT2 Blown Bitumens
NT2 Carburan
NT2 Thucholite
NT1 Coal Tar
NT1 Shale Tar
RT Pitches

Tar Sand Oil
DA July 7, 1976
USE Bitumens

Tar Sand Tailings
DA June 12, 1975
USE Oil Sand Tailings

TAR SAND TRIANGLE DEPOSIT [01]
DA May 7, 1977
BT1 Oil Sand Deposits
BT2 Geologic Deposits
RT Oil Sands
RT Utah

Tar Sands
DA February 6, 1975
USE Oil Sands

TARA DEVICES [01]
DA February 23, 1984
BT1 Tandem Mirrors
BT2 Magnetic Mirrors
BT3 Open Plasma Devices
BT4 Thermonuclear Devices
DEF Tandem mirror experiment at MIT.

TARAPUR-1 REACTOR [01]
(Boisar, Maharastra, India)
DA December 1, 1974
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

TARAPUR-2 REACTOR [01]
(Boisar, Maharastra, India)
DA December 1, 1974
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

TARGET CHAMBERS [01]
DA December 1, 1974
BT1 Accelerator Facilities
RT Accelerators
RT Targets

TARGETS [01]
DA December 1, 1974
NT1 Actinium 227 Target
NT1 Aluminium 25 Target
NT1 Aluminium 26 Target
NT1 Aluminium 27 Target
NT1 Aluminium 28 Target
NT1 Americium 241 Target
NT1 Americium 242 Target
NT1 Americium 243 Target
NT1 Antimony 118 Target
NT1 Antimony 120 Target
NT1 Antimony 121 Target
NT1 Antimony 123 Target
NT1 Antimony 127 Target
NT1 Argon 36 Target
NT1 Argon 37 Target
NT1 Argon 38 Target
NT1 Argon 40 Target
NT1 Arsenic 75 Target
NT1 Astatine 212 Target
NT1 Barium 127 Target
NT1 Barium 130 Target
NT1 Barium 134 Target
NT1 Barium 135 Target
NT1 Barium 136 Target
NT1 Barium 137 Target
NT1 Barium 138 Target
NT1 Barium 139 Target
NT1 Berkelium 249 Target
NT1 Beryllium 6 Target
NT1 Beryllium 7 Target
NT1 Beryllium 8 Target
NT1 Beryllium 9 Target
NT1 Beryllium 10 Target
NT1 Beryllium 11 Target
NT1 Bismuth 207 Target
NT1 Bismuth 208 Target
NT1 Bismuth 209 Target
NT1 Bismuth 210 Target
NT1 Boron 8 Target
NT1 Boron 10 Target
NT1 Boron 11 Target
NT1 Boron 12 Target
NT1 Boron 13 Target
NT1 Bromine 71 Target
NT1 Bromine 76 Target
NT1 Bromine 79 Target
NT1 Bromine 81 Target
NT1 Cadmium 106 Target
NT1 Cadmium 108 Target
NT1 Cadmium 109 Target
NT1 Cadmium 110 Target
NT1 Cadmium 111 Target
NT1 Cadmium 112 Target
NT1 Cadmium 113 Target
NT1 Cadmium 114 Target
NT1 Cadmium 116 Target
NT1 Calcium 39 Target
NT1 Calcium 40 Target
NT1 Calcium 41 Target
NT1 Calcium 42 Target
NT1 Calcium 43 Target
NT1 Calcium 44 Target
NT1 Calcium 46 Target
NT1 Calcium 48 Target
NT1 Calcium 49 Target
NT1 Californium 244 Target
NT1 Californium 246 Target
NT1 Californium 249 Target
NT1 Californium 250 Target
NT1 Californium 251 Target
NT1 Californium 252 Target
NT1 Californium 254 Target
NT1 Carbon 11 Target
NT1 Carbon 12 Target
NT1 Carbon 13 Target
NT1 Carbon 14 Target
NT1 Carbon 16 Target
NT1 Cerium 136 Target
NT1 Cerium 138 Target
NT1 Cerium 140 Target
NT1 Cerium 141 Target
NT1 Cerium 142 Target
NT1 Cerium 144 Target
NT1 Cesium 131 Target
NT1 Cesium 132 Target
NT1 Cesium 133 Target
NT1 Cesium 134 Target
NT1 Cesium 135 Target

NT1 Cesium 137 Target
NT1 Chlorine 35 Target
NT1 Chlorine 36 Target
NT1 Chlorine 37 Target
NT1 Chromium 50 Target
NT1 Chromium 52 Target
NT1 Chromium 53 Target
NT1 Chromium 54 Target
NT1 Chromium 56 Target
NT1 Cobalt 56 Target
NT1 Cobalt 57 Target
NT1 Cobalt 58 Target
NT1 Cobalt 59 Target
NT1 Cobalt 60 Target
NT1 Copper 61 Target
NT1 Copper 63 Target
NT1 Copper 64 Target
NT1 Copper 65 Target
NT1 Curium 242 Target
NT1 Curium 243 Target
NT1 Curium 244 Target
NT1 Curium 245 Target
NT1 Curium 246 Target
NT1 Curium 247 Target
NT1 Curium 248 Target
NT1 Curium 249 Target
NT1 Curium 250 Target
NT1 Deuterium Target
NT1 Dysprosium 154 Target
NT1 Dysprosium 156 Target
NT1 Dysprosium 158 Target
NT1 Dysprosium 160 Target
NT1 Dysprosium 161 Target
NT1 Dysprosium 162 Target
NT1 Dysprosium 163 Target
NT1 Dysprosium 164 Target
NT1 Dysprosium 165 Target
NT1 Einsteinium 253 Target
NT1 Einsteinium 254 Target
NT1 Einsteinium 255 Target
NT1 Electron Beam Targets
NT1 Erbium 162 Target
NT1 Erbium 163 Target
NT1 Erbium 164 Target
NT1 Erbium 165 Target
NT1 Erbium 166 Target
NT1 Erbium 167 Target
NT1 Erbium 168 Target
NT1 Erbium 170 Target
NT1 Europium 151 Target
NT1 Europium 152 Target
NT1 Europium 153 Target
NT1 Europium 154 Target
NT1 Europium 155 Target
NT1 Fermium 253 Target
NT1 Fermium 254 Target
NT1 Fermium 255 Target
NT1 Fermium 256 Target
NT1 Fermium 257 Target
NT1 Fermium 258 Target
NT1 Fermium 259 Target
NT1 Fermium 260 Target
NT1 Fluorine 16 Target
NT1 Fluorine 18 Target
NT1 Fluorine 19 Target
NT1 Gadolinium 142 Target
NT1 Gadolinium 148 Target
NT1 Gadolinium 152 Target
NT1 Gadolinium 154 Target
NT1 Gadolinium 155 Target
NT1 Gadolinium 156 Target
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NT1 Gadolinium 158 Target
NT1 Gadolinium 159 Target
NT1 Gadolinium 160 Target
NT1 Gallium 65 Target
NT1 Gallium 67 Target
NT1 Gallium 69 Target
NT1 Gallium 71 Target
NT1 Germanium 70 Target
NT1 Germanium 71 Target
NT1 Germanium 72 Target
NT1 Germanium 73 Target
NT1 Germanium 74 Target
NT1 Germanium 75 Target
NT1 Germanium 76 Target
NT1 Germanium 86 Target
NT1 Gold 187 Target
NT1 Gold 193 Target
NT1 Gold 194 Target
NT1 Gold 195 Target
NT1 Gold 196 Target
NT1 Gold 197 Target
NT1 Gold 198 Target
NT1 Gold 199 Target
NT1 Hafnium 174 Target
NT1 Hafnium 176 Target
NT1 Hafnium 177 Target
NT1 Hafnium 178 Target
NT1 Hafnium 179 Target
NT1 Hafnium 180 Target
NT1 Helium 3 Target
NT1 Helium 4 Target
NT1 Helium 6 Target
NT1 Holmium 165 Target
NT1 Hydrogen 1 Target
NT1 Indium 110 Target
NT1 Indium 113 Target
NT1 Indium 115 Target
NT1 Indium 127 Target
NT1 Iodine 127 Target
NT1 Iodine 128 Target
NT1 Iodine 129 Target
NT1 Ion Beam Targets
NT1 Iridium 189 Target
NT1 Iridium 190 Target
NT1 Iridium 191 Target
NT1 Iridium 193 Target
NT1 Iridium 194 Target
NT1 Iron 54 Target
NT1 Iron 55 Target
NT1 Iron 56 Target
NT1 Iron 57 Target
NT1 Iron 58 Target
NT1 Krypton 76 Target
NT1 Krypton 77 Target
NT1 Krypton 78 Target
NT1 Krypton 80 Target
NT1 Krypton 82 Target
NT1 Krypton 83 Target
NT1 Krypton 84 Target
NT1 Krypton 85 Target
NT1 Krypton 86 Target
NT1 Lanthanum 139 Target
NT1 Laser Targets
NT1 Lead 200 Target
NT1 Lead 202 Target
NT1 Lead 204 Target
NT1 Lead 205 Target
NT1 Lead 206 Target
NT1 Lead 207 Target
NT1 Lead 208 Target
NT1 Lead 209 Target
NT1 Lead 210 Target
NT1 Lithium 6 Target
NT1 Lithium 7 Target
NT1 Lithium 8 Target
NT1 Lithium 9 Target
NT1 Lutetium 174 Target
NT1 Lutetium 175 Target
NT1 Lutetium 176 Target
NT1 Magnesium 23 Target
NT1 Magnesium 24 Target
NT1 Magnesium 25 Target
NT1 Magnesium 26 Target
NT1 Magnesium 27 Target
NT1 Manganese 51 Target
NT1 Manganese 52 Target
NT1 Manganese 53 Target
NT1 Manganese 54 Target
NT1 Manganese 55 Target
NT1 Mercury 193 Target
NT1 Mercury 196 Target
NT1 Mercury 198 Target
NT1 Mercury 199 Target
NT1 Mercury 200 Target
NT1 Mercury 201 Target
NT1 Mercury 202 Target
NT1 Mercury 204 Target
NT1 Mercury 206 Target
NT1 Molybdenum 92 Target
NT1 Molybdenum 94 Target
NT1 Molybdenum 95 Target
NT1 Molybdenum 96 Target
NT1 Molybdenum 97 Target
NT1 Molybdenum 98 Target
NT1 Molybdenum 100 Target
NT1 Neodymium 142 Target
NT1 Neodymium 143 Target
NT1 Neodymium 144 Target
NT1 Neodymium 145 Target
NT1 Neodymium 146 Target
NT1 Neodymium 147 Target
NT1 Neodymium 148 Target
NT1 Neodymium 149 Target
NT1 Neodymium 150 Target
NT1 Neon 20 Target
NT1 Neon 21 Target
NT1 Neon 22 Target
NT1 Neptunium 232 Target
NT1 Neptunium 236 Target
NT1 Neptunium 237 Target
NT1 Neptunium 238 Target
NT1 Neptunium 239 Target
NT1 Nickel 56 Target
NT1 Nickel 57 Target
NT1 Nickel 58 Target
NT1 Nickel 59 Target
NT1 Nickel 60 Target
NT1 Nickel 61 Target
NT1 Nickel 62 Target
NT1 Nickel 63 Target
NT1 Nickel 64 Target
NT1 Niobium 91 Target
NT1 Niobium 92 Target
NT1 Niobium 93 Target
NT1 Niobium 94 Target
NT1 Niobium 95 Target
NT1 Niobium 96 Target
NT1 Nitrogen 12 Target
NT1 Nitrogen 13 Target
NT1 Nitrogen 14 Target
NT1 Nitrogen 15 Target
NT1 Nitrogen 16 Target
NT1 Osmium 184 Target
NT1 Osmium 186 Target
NT1 Osmium 187 Target
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NT1 Osmium 192 Target
NT1 Osmium 193 Target
NT1 Oxygen 15 Target
NT1 Oxygen 16 Target
NT1 Oxygen 17 Target
NT1 Oxygen 18 Target
NT1 Palladium 102 Target
NT1 Palladium 104 Target
NT1 Palladium 105 Target
NT1 Palladium 106 Target
NT1 Palladium 107 Target
NT1 Palladium 108 Target
NT1 Palladium 110 Target
NT1 Palladium 118 Target
NT1 Phosphorus 30 Target
NT1 Phosphorus 31 Target
NT1 Phosphorus 32 Target
NT1 Platinum 190 Target
NT1 Platinum 192 Target
NT1 Platinum 194 Target
NT1 Platinum 195 Target
NT1 Platinum 196 Target
NT1 Platinum 198 Target
NT1 Platinum 235 Target
NT1 Plutonium 235 Target
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NT1 Plutonium 242 Target
NT1 Plutonium 243 Target
NT1 Plutonium 244 Target
NT1 Polarized Targets
NT1 Polonium 208 Target
NT1 Polonium 210 Target
NT1 Potassium 39 Target
NT1 Potassium 40 Target
NT1 Potassium 41 Target
NT1 Praseodymium 141 Target
NT1 Promethium 145 Target
NT1 Promethium 147 Target
NT1 Promethium 149 Target
NT1 Protactinium 231 Target
NT1 Protactinium 232 Target
NT1 Protactinium 233 Target
NT1 Radium 226 Target
NT1 Rhenium 184 Target
NT1 Rhenium 185 Target
NT1 Rhenium 186 Target
NT1 Rhenium 187 Target
NT1 Rhodium 96 Target
NT1 Rhodium 103 Target
NT1 Rubidium 84 Target
NT1 Rubidium 85 Target
NT1 Rubidium 87 Target
NT1 Rubidium 88 Target

NT1 Ruthenium 96 Target
NT1 Ruthenium 98 Target
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NT1 Samarium 144 Target
NT1 Samarium 145 Target
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NT1 Samarium 147 Target
NT1 Samarium 148 Target
NT1 Samarium 149 Target
NT1 Samarium 150 Target
NT1 Samarium 151 Target
NT1 Samarium 152 Target
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NT1 Scandium 45 Target
NT1 Scandium 47 Target
NT1 Selenium 72 Target
NT1 Selenium 74 Target
NT1 Selenium 75 Target
NT1 Selenium 76 Target
NT1 Selenium 77 Target
NT1 Selenium 78 Target
NT1 Selenium 80 Target
NT1 Selenium 82 Target
NT1 Silicon 28 Target
NT1 Silicon 29 Target
NT1 Silicon 30 Target
NT1 Silicon 32 Target
NT1 Silicon 34 Target
NT1 Silver 106 Target
NT1 Silver 107 Target
NT1 Silver 108 Target
NT1 Silver 109 Target
NT1 Silver 110 Target
NT1 Sodium 21 Target
NT1 Sodium 22 Target
NT1 Sodium 23 Target
NT1 Strontium 84 Target
NT1 Strontium 86 Target
NT1 Strontium 87 Target
NT1 Strontium 88 Target
NT1 Strontium 90 Target
NT1 Sulfur 32 Target
NT1 Sulfur 33 Target
NT1 Sulfur 34 Target
NT1 Sulfur 36 Target
NT1 Tantalum 179 Target
NT1 Tantalum 180 Target
NT1 Tantalum 181 Target
NT1 Tantalum 182 Target
NT1 Technetium 99 Target
NT1 Tellurium 119 Target
NT1 Tellurium 120 Target
NT1 Tellurium 122 Target
NT1 Tellurium 123 Target
NT1 Tellurium 124 Target
NT1 Tellurium 125 Target
NT1 Tellurium 126 Target
NT1 Tellurium 128 Target
NT1 Tellurium 130 Target
NT1 Terbium 159 Target
NT1 Terbium 160 Target
NT1 Thallium 203 Target
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NT1 Thallium 209 Target
NT1 Thorium 228 Target
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NT1 Thorium 239 Target
NT1 Thulium 169 Target
NT1 Thulium 171 Target
NT1 Tin 110 Target
NT1 Tin 112 Target
NT1 Tin 114 Target
NT1 Tin 115 Target
NT1 Tin 116 Target
NT1 Tin 117 Target
NT1 Tin 118 Target
NT1 Tin 119 Target
NT1 Tin 120 Target
NT1 Tin 122 Target
NT1 Tin 124 Target
NT1 Tin 125 Target
NT1 Tin 126 Target
NT1 Titanium 44 Target
NT1 Titanium 45 Target
NT1 Titanium 46 Target
NT1 Titanium 47 Target
NT1 Titanium 48 Target
NT1 Titanium 49 Target
NT1 Titanium 50 Target
NT1 Tritium Target
NT1 Tungsten 180 Target
NT1 Tungsten 182 Target
NT1 Tungsten 183 Target
NT1 Tungsten 184 Target
NT1 Tungsten 185 Target
NT1 Tungsten 186 Target
NT1 Uranium 232 Target
NT1 Uranium 233 Target
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NT1 Uranium 239 Target
NT1 Uranium 240 Target
NT1 Uranium 243 Target
NT1 Vanadium 48 Target
NT1 Vanadium 49 Target
NT1 Vanadium 50 Target
NT1 Vanadium 51 Target
NT1 Xenon 123 Target
NT1 Xenon 124 Target
NT1 Xenon 125 Target
NT1 Xenon 126 Target
NT1 Xenon 127 Target
NT1 Xenon 128 Target
NT1 Xenon 129 Target
NT1 Xenon 130 Target
NT1 Xenon 131 Target
NT1 Xenon 132 Target
NT1 Xenon 134 Target
NT1 Xenon 136 Target
NT1 Ytterbium 168 Target
NT1 Ytterbium 169 Target
NT1 Ytterbium 170 Target
NT1 Ytterbium 171 Target
NT1 Ytterbium 172 Target
NT1 Ytterbium 173 Target
NT1 Ytterbium 174 Target
NT1 Ytterbium 176 Target
NT1 Yttrium 87 Target
NT1 Yttrium 88 Target
NT1 Yttrium 89 Target
NT1 Zinc 64 Target
NT1 Zinc 65 Target
NT1 Zinc 66 Target
NT1 Zinc 67 Target
NT1 Zinc 68 Target
NT1 Zinc 70 Target
NT1 Zirconium 90 Target
NT1 Zirconium 91 Target
NT1 Zirconium 92 Target
NT1 Zirconium 93 Target
NT1 Zirconium 94 Target
NT1 Zirconium 96 Target
RT Analyzing Power
RT Nuclear Reactions
RT Polarization-Asymmetry Ratio
RT Scattering
RT Target Chambers

TARIFFS [01]
DA June 14, 1978
UF *Import Taxes*
RT Exports
RT Imports
RT Taxes
RT Trade
DEF Duties imposed by a government on imported or exported goods.

TARTARIC ACID [01]
DA December 1, 1974
UF *Dihydroxysuccinic Acid*
BT1 Hydroxy Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
RT Rochelle Salt

TARTARIC ACID ESTERS [01]
DA December 1, 1974
BT1 Carboxylic Acid Esters
BT2 Esters
BT3 Organic Compounds

TARTRATES [01]
DA December 1, 1974
BT1 Carboxylic Acid Salts
NT1 Rochelle Salt

TASK SCHEDULING [01]
DA January 28, 1985
BT1 Data Processing
BT2 Processing
RT Array Processors
RT Executive Codes
RT Parallel Processing
DEF The routing of data within a computer.

TASMAN SEA [01]
DA April 12, 1977
BT1 Seas
BT2 Surface Waters
RT Australia
RT New Zealand

TASMANIA [01]
DA December 1, 1974
BT1 Australia
BT2 Australasia
BT2 Developed Countries
BT1 Islands
RT Pacific Ocean

TASTE BUDS [01]
DA December 1, 1974
BT1 Sense Organs
BT2 Organs
BT3 Body
RT Flavor

TASTE PARTICLES [01]
DA October 19, 1978
BT1 Postulated Particles
BT2 Elementary Particles
RT Color Model
RT Hadrons
RT Hypercharge
RT Quarks
RT SU-3 Groups

TATARIAN REACTOR [01]
(Tatar, USSR.)
DA February 13, 1990
BT1 WWER Type Reactors
BT2 PWR Type Reactors
BT3 Enriched Uranium Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors
BT3 Thermal Reactors
BT4 Reactors
BT3 Water Cooled Reactors
BT4 Reactors
BT3 Water Moderated Reactors
BT4 Reactors

TATB
DA August 19, 1975
UF *1,3,5-Triamino-2,4,6-Trinitrobenzene*
BT1 Chemical Explosives
BT2 Explosives

Tau Leptons
DA May 25, 1979
USE Tau Particles

TAU NEUTRINOS [01]
DA February 14, 1978
BT1 Heavy Leptons
BT2 Leptons
BT3 Elementary Particles
BT3 Fermions
BT2 Postulated Particles
BT3 Elementary Particles
BT1 Neutrinos
BT2 Leptons
BT3 Elementary Particles
BT3 Fermions
BT2 Massless Particles
BT3 Elementary Particles

TAU PARTICLES [01]
DA February 14, 1978
UF *Tau Leptons*
UF *Tauons*
BT1 Heavy Leptons
BT2 Leptons
BT3 Elementary Particles
BT3 Fermions
BT2 Postulated Particles
BT3 Elementary Particles
RT Electron-Muon-Tau Universality
DEF Possible new lepton at about 1.9 GeV.

Tauons
DA August 8, 1978
USE Tau Particles

TAURINE [01]
DA December 1, 1974
UF *Aminoethanesulfonic Acid*
BT1 Amines
BT2 Organic Compounds
BT1 Sulfonic Acids
BT2 Organic Acids
BT3 Organic Compounds
BT2 Organic Sulfur Compounds
BT3 Organic Compounds

Tautomerism
DA March 4, 1980
USE Isomerization

TAX CREDITS
(Prior to November 1980, this concept was indexed to FINANCIAL INCENTIVES.)
DA October 27, 1980
UF *Tax Offsets*
RT Charges
RT Economics
RT Financial Incentives
RT Taxes
DEF A form of tax cancellation or exemption. A tax is levied but remitted in whole or in part, usually on the basis of another tax paid.

TAX LAWS [01]
DA March 8, 1978
BT1 Laws

Tax Offsets
DA March 6, 1984
USE Tax Credits

TAXES [01]
DA January 21, 1975
NT1 Severance Tax
NT1 Surcharges
NT1 Windfall Profits Tax
RT Charges
RT Economics
RT Financial Incentives
RT Off-Highway Use
RT On-Highway Use
RT Tariffs
RT Tax Credits
RT Trade
RT US Depletion Allowances
RT US Economic Recovery Tax Act

TAXICABS [01]
DA November 23, 1979
BT1 Vehicles
RT Automobiles
RT Occupants
RT Transportation Sector
RT Transportation Systems
RT Vans

TAXONOMY [01]
DA January 21, 1975
BT1 Biology

TBP [01]
DA December 1, 1974
UF *Tributyl Phosphate*
BT1 Butyl Phosphates
BT2 Phosphoric Acid Esters
BT3 Esters
BT4 Organic Compounds
BT3 Organic Phosphorus Compounds
BT4 Organic Compounds

TBPO [01]
DA December 1, 1974
UF *Tributylphosphine Oxide*
BT1 Organic Phosphorus Compounds
BT2 Organic Compounds

TBR TOKAMAK [01]
DA March 24, 1983
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

TCA REACTOR [01]
(Tokai Research Extablishment of JAERI, Ibaraki Prefecture, Japan.)
DA December 1, 1974
UF *Tank Type Critical Assembly*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

TCA TOKAMAK [01]
(Experimental tokamak at Centre de Recherches en Physique des Plasmas, Lausanne.)
DA May 8, 1984
UF *Lausanne Tokamak*
UF *Tokamak Chaufage Alfven*
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

TCP [01]
DA December 1, 1974
UF *Tricresyl Phosphates*
BT1 Phosphoric Acid Esters
BT2 Esters
BT3 Organic Compounds
BT2 Organic Phosphorus Compounds
BT3 Organic Compounds

TCT
DA November 26, 1975
USE Two-Component Torus

TD-NICKEL [01]
(Ni-ThO2 dispersion.)
DA December 1, 1974
UF *Nickel-Thorium Oxide Dispersions*
BT1 Cermets
BT2 Composite Materials
BT3 Materials
BT1 Dispersions
RT Nickel
RT Thorium Oxides

TD-NICKEL CHROMIUM [01]
(Ni-Cr-ThO2 dispersion.)
DA December 1, 1974
UF *Nickel Chromium-Td*
BT1 Cermets
BT2 Composite Materials
BT3 Materials
BT1 Chromium Alloys
BT2 Alloys
BT1 Dispersions
BT1 Nickel Alloys
BT2 Alloys
RT Thorium Oxides

TDA [01]
DA December 1, 1974
UF *Decylamine-tris*
BT1 Amines
BT2 Organic Compounds
BT1 Chelating Agents

Tea
DA December 1, 1974
USE Beverages

TEA LEAVES [01]
DA December 1, 1974
BT1 Leaves
RT Beverages
RT Tea Plants

TEA PLANTS [01]
DA August 12, 1980
UF *Camellia sinensis*
BT1 Magnoliopsida
BT2 Magnoliophyta
BT3 Plants
RT Beverages
RT Tea Leaves

TEAB [01]
DA December 1, 1974
UF *Tetraethylammonium Bromide*
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Quaternary Compounds
BT2 Amines
BT3 Organic Compounds
BT2 Ammonium Compounds

TEAK EVENT [01]
DA December 1, 1974
BT1 Atmospheric Explosions
BT2 Explosions
BT1 Hardtack Project
BT2 Nuclear Explosions
BT3 Explosions

Teal Oil
DA December 1, 1974
USE Sesame Oil

TEAPOT PROJECT [01]
DA December 1, 1974
RT Nuclear Weapons

TEARING INSTABILITY [01]
DA September 11, 1978
BT1 Plasma Macroinstabilit
BT2 Plasma Instability
BT3 Instability
RT Plasma Disruption

TECHNETATES [01]
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
DA December 1, 1974
BT1 Oxygen Compounds
BT1 Technetium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
RT Technetium Oxides

TECHNETIUM [01]
DA December 1, 1974
UF *Masurium*
BT1 Transition Elements
BT2 Metals
BT3 Elements

TECHNETIUM 89 [01]
DA March 16, 1981
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Technetium Isotopes
BT2 Isotopes

TECHNETIUM 90 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Technetium Isotopes
BT2 Isotopes

TECHNETIUM 91 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Technetium Isotopes
BT2 Isotopes

TECHNETIUM 92 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Technetium Isotopes
BT2 Isotopes

TECHNETIUM 93 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Technetium Isotopes
BT2 Isotopes

TECHNETIUM 94 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Technetium Isotopes
BT2 Isotopes

TECHNETIUM 95 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Technetium Isotopes
BT2 Isotopes

TECHNETIUM 96 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Technetium Isotopes
BT2 Isotopes

TECHNETIUM 97 [01]
DA December 1, 1974
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Technetium Isotopes
BT2 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

TECHNETIUM 98 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Technetium Isotopes
BT2 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

TECHNETIUM 99 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Technetium Isotopes
BT2 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

TECHNETIUM 99 TARGET [01]
DA July 9, 1976
BT1 Targets

TECHNETIUM 100 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Technetium Isotopes
BT2 Isotopes

TECHNETIUM 101 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Technetium Isotopes
BT2 Isotopes

TECHNETIUM 102 [01]
DA December 1, 1974

BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Technetium Isotopes
BT2 Isotopes

TECHNETIUM 103 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Technetium Isotopes
BT2 Isotopes

TECHNETIUM 104 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Technetium Isotopes
BT2 Isotopes

TECHNETIUM 105 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Technetium Isotopes
BT2 Isotopes

TECHNETIUM 106 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Technetium Isotopes
BT2 Isotopes

TECHNETIUM 107 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Technetium Isotopes
BT2 Isotopes

TECHNETIUM 108 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Technetium Isotopes
BT2 Isotopes

TECHNETIUM 109 [01]
DA January 28, 1975
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Technetium Isotopes
BT2 Isotopes

TECHNETIUM 110 [01]
DA January 21, 1975
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Technetium Isotopes
BT2 Isotopes

TECHNETIUM 111 [01]
DA December 2, 1988
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Technetium Isotopes
BT2 Isotopes

→**TECHNETIUM 112 [01]**
DA January 15, 1991
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Technetium Isotopes
BT2 Isotopes

TECHNETIUM ADDITIONS [01]
DA December 1, 1974
BT1 Technetium Alloys
BT2 Alloys

TECHNETIUM ALLOYS [01]
DA December 1, 1974
BT1 Alloys
NT1 Technetium Additions
NT1 Technetium Base Alloys

TECHNETIUM BASE ALLOYS [01]
DA December 1, 1974
BT1 Technetium Alloys
BT2 Alloys

TECHNETIUM BROMIDES [01]
DA January 31, 1975
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Technetium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

TECHNETIUM CARBIDES [01]
DA December 1, 1974
BT1 Carbides
BT2 Carbon Compounds
BT1 Technetium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

TECHNETIUM CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Technetium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

TECHNETIUM COMPLEXES [01]
DA December 1, 1974
BT1 Transition Element Complexes
BT2 Complexes

TECHNETIUM COMPOUNDS [01]
DA December 1, 1974
UF+ *Technetium Tellurides*
BT1 Refractory Metal Compounds
BT1 Transition Element Compounds
NT1 Pertechnetates
NT1 Technetates
NT1 Technetium Bromides
NT1 Technetium Carbides
NT1 Technetium Chlorides
NT1 Technetium Fluorides
NT1 Technetium Hydrides
NT1 Technetium Iodides
NT1 Technetium Oxides
NT1 Technetium Phosphates
NT1 Technetium Selenides
NT1 Technetium Sulfides

TECHNETIUM FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Technetium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

TECHNETIUM HYDRIDES [01]
DA September 10, 1982
BT1 Hydrides
BT2 Hydrogen Compounds
BT1 Technetium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

TECHNETIUM IODIDES [01]
DA December 1, 1974
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds
BT1 Technetium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

TECHNETIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

TECHNETIUM ISOTOPES [01]
DA December 1, 1974
BT1 Isotopes
NT1 Technetium 89
NT1 Technetium 90
NT1 Technetium 91
NT1 Technetium 92
NT1 Technetium 93
NT1 Technetium 94
NT1 Technetium 95
NT1 Technetium 96
NT1 Technetium 97
NT1 Technetium 98
NT1 Technetium 99
NT1 Technetium 100
NT1 Technetium 101
NT1 Technetium 102
NT1 Technetium 103
NT1 Technetium 104
NT1 Technetium 105
NT1 Technetium 106
NT1 Technetium 107
NT1 Technetium 108
NT1 Technetium 109
NT1 Technetium 110
NT1 Technetium 111
NT1 Technetium 112

TECHNETIUM OXIDES [01]
DA December 1, 1974
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds
BT1 Technetium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
RT Pertechnetates
RT Technetates

TECHNETIUM PHOSPHATES [01]
DA October 27, 1980
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds
BT1 Technetium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

TECHNETIUM SELENIDES [01]
DA January 21, 1975
BT1 Selenides
BT2 Chalcogenides
BT2 Selenium Compounds
BT1 Technetium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

TECHNETIUM SULFIDES [01]
DA December 1, 1974
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds
BT1 Technetium Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

Technetium Tellurides
(Prior to January 1993, this was a valid descriptor.)
DA January 21, 1975
USE Technetium Compounds
AND Tellurides

TECHNICAL INFORMATION CENTER
DA June 7, 1982
BT1 US DOE
BT2 US Organizations
BT3 National Organizations
RT Information Centers

Technical Specifications
DA December 1, 1974
USE Specifications

Technical Writing
(Prior to June 1992 this was a valid descriptor.)
DA November 24, 1981
SEE Document Types
OR Information

TECHNOLOGY ASSESSMENT [01]
DA July 7, 1976
RT Appropriate Technology
RT Delphi Method
RT Feasibility Studies
RT Industry

TECHNOLOGY IMPACTS [01]
DA August 25, 1983
RT Appropriate Technology
RT Commercialization
RT Cost Benefit Analysis
RT Diversification
RT Economic Impact
RT Economy
RT Industry
RT Social Impact
RT Socio-Economic Factors

TECHNOLOGY TRANSFER [01]
DA February 19, 1975
UF *Spin-off*
RT Commercialization
RT Industry
RT Information
RT Information Dissemination
RT Inventions
RT US OTA

→**TECHNOLOGY UTILIZATION**
(Prior to June 1992 this was a valid descriptor. From June 1992 to August 1993 this concept was indexed to COMMERCIALIZATION.)
DA August 31, 1993
RT Appropriate Technology
RT Commercialization
RT Developed Countries
RT Feasibility Studies
RT Industry
RT Mission Analysis

TECTONICS [01]
DA December 1, 1974
NT1 Plate Tectonics
RT Ground Uplift
RT Metamorphism
RT Petrogenesis
RT Rocks
DEF A branch of geology dealing with the broad architecture of the upper part of the Earth's crust, that is, the regional assembling of structural or deformational features, a study of their mutual relations, their origin, and their historical evolution.

TEDLAR
DA May 3, 1979
BT1 Fluorinated Aliphatic Hydrocarbons
BT2 Halogenated Aliphatic Hydrocarbons
BT3 Organic Halogen Compounds
BT4 Organic Compounds
BT2 Organic Fluorine Compounds
BT3 Organic Halogen Compounds
BT4 Organic Compounds
BT1 Plastics
BT2 Petrochemicals
BT3 Petroleum Products
BT2 Synthetic Materials
BT3 Materials
BT1 Polyvinyls
BT2 Organic Polymers
BT3 Organic Compounds
BT3 Polymers

Teel Oil
DA December 1, 1974
USE Sesame Oil

TEETH [01]
DA December 1, 1974
BT1 Oral Cavity
BT2 Digestive System
RT Bone Tissues
RT Calcium
RT Caries
RT Dentin
RT Dentistry
RT Jaw

TEFLON [01]
DA December 1, 1974
BT1 Plastics
BT2 Petrochemicals
BT3 Petroleum Products
BT2 Synthetic Materials
BT3 Materials
BT1 Polytetrafluoroethylene
BT2 Fluorinated Aliphatic Hydrocarbons
BT3 Halogenated Aliphatic Hydrocarbons
BT4 Organic Halogen Compounds
BT5 Organic Compounds
BT3 Organic Fluorine Compounds
BT4 Organic Halogen Compounds
BT5 Organic Compounds
BT2 Polyethylenes
BT3 Polyolefins
BT4 Organic Polymers
BT5 Organic Compounds
BT5 Polymers

TEHRAN NUCLEAR RESEARCH CENTRE [01]
DA November 1, 1976
BT1 Iranian Organizations
BT2 National Organizations

TEKTITES [01]
DA December 1, 1974
UF *Australites*
UF *Billitonites*
UF *Moldavites*
UF *Obsidianites*
RT Meteorites
RT Minerals

TEL [01]
DA December 1, 1974
UF *Tetraethyl Lead*
BT1 Lead Compounds
BT1 Organometallic Compounds
BT2 Organic Compounds

TELANGIECTASIS [01]
DA December 1, 1974
BT1 Skin Diseases
BT2 Diseases
BT1 Vascular Diseases
BT2 Diseases
RT Blood Vessels

TELEMETRY [01]
DA December 1, 1974
BT1 Data Transmission
BT2 Communications
RT MWD Systems

TELEPHONES [01]
DA August 24, 1976
RT Communications
RT Public Utilities

TELESCOPE COUNTERS [01]
DA December 1, 1974
RT Coincidence Circuits
RT Cosmic Ray Detection
RT Counting Techniques
RT Hodoscopes
RT Radiation Detectors

TELESCOPES [01]
DA December 1, 1974
NT1 Pyrheliometers
NT1 Radio Telescopes
RT Borescopes

RT Mirrors
RT Optical Systems

TELEVISION [01]
DA December 1, 1974
RT Camera Tubes
RT Cameras
RT Communications
RT Radiation Protection
RT Radio Equipment
RT Remote Viewing Equipment
RT Television Cameras
RT Video Tapes
RT X Radiation

TELEVISION CAMERAS [01]
DA March 4, 1977
BT1 Cameras
RT Television
RT Vidicons

TELLURATES [01]
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
DA December 1, 1974
BT1 Oxygen Compounds
BT1 Tellurium Compounds

TELLURIC ACID [01]
DA December 1, 1974
BT1 Inorganic Acids
BT2 Hydrogen Compounds
BT1 Tellurium Compounds

TELLURIC SURVEYS
DA August 26, 1976
BT1 Electrical Surveys
BT2 Geophysical Surveys
BT3 Surveys
RT Geothermal Exploration
DEF Electrical surveys in which the Earth's natural electric field is measured at two or more stations simultaneously and a quantitative estimate of the geoelectric section obtained thereby.

TELLURIDES [01]
DA December 1, 1974
UF+ *Technetium Tellurides*
BT1 Chalcogenides
BT1 Tellurium Compounds
NT1 Aluminium Tellurides
NT1 Americium Tellurides
NT1 Antimony Tellurides
NT1 Arsenic Tellurides
NT1 Berkelium Tellurides
NT1 Beryllium Tellurides
NT1 Bismuth Tellurides
NT1 Cadmium Tellurides
NT1 Californium Tellurides
NT1 Cerium Tellurides
NT1 Cesium Tellurides
NT1 Chromium Tellurides
NT1 Cobalt Tellurides
NT1 Copper Tellurides
NT1 Curium Tellurides
NT1 Dysprosium Tellurides
NT1 Erbium Tellurides
NT1 Europium Tellurides
NT1 Gadolinium Tellurides
NT1 Gallium Tellurides
NT1 Germanium Tellurides
NT1 Gold Tellurides
NT1 Hafnium Tellurides
NT1 Holmium Tellurides
NT1 Indium Tellurides
NT1 Iridium Tellurides
NT1 Iron Tellurides
NT1 Lanthanum Tellurides
NT1 Lead Tellurides
NT1 Lithium Tellurides
NT1 Magnesium Tellurides
NT1 Manganese Tellurides
NT1 Mercury Tellurides
NT1 Molybdenum Tellurides
NT1 Neodymium Tellurides
NT1 Neptunium Tellurides
NT1 Nickel Tellurides
NT1 Niobium Tellurides
NT1 Palladium Tellurides
NT1 Platinum Tellurides
NT1 Plutonium Tellurides
NT1 Potassium Tellurides
NT1 Praseodymium Tellurides
NT1 Rhenium Tellurides
NT1 Rhodium Tellurides
NT1 Rubidium Tellurides
NT1 Ruthenium Tellurides
NT1 Samarium Tellurides
NT1 Selenium Tellurides
NT1 Silver Tellurides
NT1 Sodium Tellurides
NT1 Tantalum Tellurides
NT1 Terbium Tellurides
NT1 Thallium Tellurides
NT1 Thorium Tellurides
NT1 Thulium Tellurides
NT1 Tin Tellurides
NT1 Titanium Tellurides
NT1 Tungsten Tellurides
NT1 Uranium Tellurides
NT1 Vanadium Tellurides
NT1 Ytterbium Tellurides
NT1 Yttrium Tellurides
NT1 Zinc Tellurides
NT1 Zirconium Tellurides
RT Intermetallic Compounds
RT Oxytellurides
RT Tellurium Alloys

TELLURIUM [01]
DA December 1, 1974
BT1 Semimetals
BT2 Elements

TELLURIUM 106 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Microsec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tellurium Isotopes
BT2 Isotopes

TELLURIUM 107 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tellurium Isotopes
BT2 Isotopes

TELLURIUM 108 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tellurium Isotopes
BT2 Isotopes

TELLURIUM 109 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tellurium Isotopes
BT2 Isotopes

TELLURIUM 110 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tellurium Isotopes
BT2 Isotopes

TELLURIUM 111 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tellurium Isotopes
BT2 Isotopes

TELLURIUM 112 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tellurium Isotopes
BT2 Isotopes

TELLURIUM 113 [01]
DA December 1, 1974

BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tellurium Isotopes
BT2 Isotopes

TELLURIUM 114 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tellurium Isotopes
BT2 Isotopes

TELLURIUM 115 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tellurium Isotopes
BT2 Isotopes

TELLURIUM 116 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Tellurium Isotopes
BT2 Isotopes

TELLURIUM 117 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Tellurium Isotopes
BT2 Isotopes

TELLURIUM 118 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Tellurium Isotopes
BT2 Isotopes

TELLURIUM 119 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Tellurium Isotopes
BT2 Isotopes

TELLURIUM 119 TARGET [01]
DA July 9, 1976
BT1 Targets

TELLURIUM 120 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
BT1 Tellurium Isotopes
BT2 Isotopes

TELLURIUM 120 TARGET [01]
DA July 9, 1976
BT1 Targets

TELLURIUM 121 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tellurium Isotopes
BT2 Isotopes

TELLURIUM 122 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
BT1 Tellurium Isotopes
BT2 Isotopes

TELLURIUM 122 TARGET [01]
DA July 9, 1976
BT1 Targets

TELLURIUM 123 [01]
DA December 1, 1974
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Stable Isotopes
BT2 Isotopes
BT1 Tellurium Isotopes
BT2 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

TELLURIUM 123 TARGET [01]
DA July 9, 1976
BT1 Targets

TELLURIUM 124 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
BT1 Tellurium Isotopes
BT2 Isotopes

TELLURIUM 124 TARGET [01]
DA July 9, 1976
BT1 Targets

TELLURIUM 125 [01]
DA December 1, 1974
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Stable Isotopes
BT2 Isotopes
BT1 Tellurium Isotopes
BT2 Isotopes

TELLURIUM 125 TARGET [01]
DA July 9, 1976
BT1 Targets

TELLURIUM 126 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei

BT1 Stable Isotopes
BT2 Isotopes
BT1 Tellurium Isotopes
BT2 Isotopes

TELLURIUM 126 TARGET [01]
DA July 9, 1976
BT1 Targets

TELLURIUM 127 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tellurium Isotopes
BT2 Isotopes

TELLURIUM 128 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
BT1 Tellurium Isotopes
BT2 Isotopes

TELLURIUM 128 TARGET [01]
DA July 9, 1976
BT1 Targets

TELLURIUM 129 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tellurium Isotopes
BT2 Isotopes

TELLURIUM 130 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
BT1 Tellurium Isotopes
BT2 Isotopes

TELLURIUM 130 REACTIONS [01]
DA January 9, 1981
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

TELLURIUM 130 TARGET [01]
DA July 9, 1976
BT1 Targets

TELLURIUM 131 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tellurium Isotopes
BT2 Isotopes

TELLURIUM 132 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tellurium Isotopes
BT2 Isotopes
RT Radioisotope Generators

TELLURIUM 133 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tellurium Isotopes
BT2 Isotopes

TELLURIUM 134 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tellurium Isotopes
BT2 Isotopes

TELLURIUM 135 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tellurium Isotopes
BT2 Isotopes

TELLURIUM 136 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tellurium Isotopes
BT2 Isotopes

TELLURIUM 137 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tellurium Isotopes
BT2 Isotopes

TELLURIUM 138 [01]
DA March 11, 1976
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tellurium Isotopes
BT2 Isotopes

TELLURIUM ADDITIONS [01]
DA December 1, 1974
BT1 Tellurium Alloys
BT2 Alloys

TELLURIUM ALLOYS [01]
DA December 1, 1974
BT1 Alloys
NT1 Tellurium Additions
RT Tellurides

TELLURIUM ARSENIDES [01]
DA February 19, 1976
BT1 Arsenides
BT2 Arsenic Compounds
BT2 Pnictides
BT1 Tellurium Compounds

TELLURIUM BROMIDES [01]
DA January 31, 1975
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Tellurium Halides
BT2 Halides
BT3 Halogen Compounds
BT2 Tellurium Compounds

TELLURIUM CARBIDES [01]
DA December 1, 1974
BT1 Carbides

BT2 Carbon Compounds
BT1 Tellurium Compounds

TELLURIUM CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Tellurium Halides
BT2 Halides
BT3 Halogen Compounds
BT2 Tellurium Compounds

TELLURIUM COMPLEXES [01]
DA December 1, 1974
BT1 Complexes

TELLURIUM COMPOUNDS [01]
DA December 1, 1974
NT1 Oxytellurides
NT1 Tellurates
NT1 Telluric Acid
* NT1 Tellurides
NT1 Tellurium Arsenides
NT1 Tellurium Carbides
NT1 Tellurium Halides
NT2 Tellurium Bromides
NT2 Tellurium Chlorides
NT2 Tellurium Fluorides
NT2 Tellurium Iodides
NT1 Tellurium Hydrides
NT1 Tellurium Hydroxides
NT1 Tellurium Nitrates
NT1 Tellurium Oxides
NT2 Moctezumite
NT1 Tellurium Sulfides

TELLURIUM FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Tellurium Halides
BT2 Halides
BT3 Halogen Compounds
BT2 Tellurium Compounds

TELLURIUM HALIDES [01]
DA October 1, 1975
BT1 Halides
BT2 Halogen Compounds
BT1 Tellurium Compounds
NT1 Tellurium Bromides
NT1 Tellurium Chlorides
NT1 Tellurium Fluorides
NT1 Tellurium Iodides

TELLURIUM HYDRIDES [01]
DA January 10, 1977
BT1 Hydrides
BT2 Hydrogen Compounds
BT1 Tellurium Compounds

TELLURIUM HYDROXIDES [01]
DA April 6, 1978
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds
BT1 Tellurium Compounds

TELLURIUM IODIDES [01]
DA January 31, 1975
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds
BT1 Tellurium Halides
BT2 Halides
BT3 Halogen Compounds
BT2 Tellurium Compounds

TELLURIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

TELLURIUM ISOTOPES [01]
DA December 1, 1974
BT1 Isotopes
NT1 Tellurium 106
NT1 Tellurium 107
NT1 Tellurium 108
NT1 Tellurium 109
NT1 Tellurium 110
NT1 Tellurium 111
NT1 Tellurium 112
NT1 Tellurium 113
NT1 Tellurium 114
NT1 Tellurium 115
NT1 Tellurium 116
NT1 Tellurium 117
NT1 Tellurium 118
NT1 Tellurium 119
NT1 Tellurium 120
NT1 Tellurium 121
NT1 Tellurium 122
NT1 Tellurium 123
NT1 Tellurium 124
NT1 Tellurium 125
NT1 Tellurium 126
NT1 Tellurium 127
NT1 Tellurium 128
NT1 Tellurium 129
NT1 Tellurium 130
NT1 Tellurium 131
NT1 Tellurium 132
NT1 Tellurium 133
NT1 Tellurium 134
NT1 Tellurium 135
NT1 Tellurium 136
NT1 Tellurium 137
NT1 Tellurium 138

TELLURIUM NITRATES [01]
DA July 5, 1978
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds
BT1 Tellurium Compounds

TELLURIUM ORES [01]
DA December 1, 1974
BT1 Ores

TELLURIUM OXIDES [01]
DA December 1, 1974
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds
BT1 Tellurium Compounds
NT1 Moctezumite
RT Oxide Minerals

TELLURIUM SULFIDES [01]
DA December 1, 1974
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds
BT1 Tellurium Compounds

TELOMERIZATION [01]
DA December 1, 1974
BT1 Polymerization
BT2 Chemical Reactions

Telophase
DA December 1, 1974
USE Mitosis

TEM
DA December 1, 1974
USE Alkylating Agents

TEM (Microscopy)
DA January 30, 1979
USE Transmission Electron Microscopy

TEMELIN-1 REACTOR [01]
DA February 9, 1988
BT1 WWER Type Reactors
BT2 PWR Type Reactors
BT3 Enriched Uranium Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors
BT3 Thermal Reactors
BT4 Reactors
BT3 Water Cooled Reactors
BT4 Reactors
BT3 Water Moderated Reactors
BT4 Reactors

TEMPERATE ZONES [01]
DA February 11, 1980
UF *Zones (Temperate)*
RT Boreal Regions
RT Climates
DEF Area or region between the Tropic of Cancer and the Arctic Circle or between the Tropic of Capricorn and the Antarctic Circle.

Temperature (0 K)
DA December 1, 1974
USE Temperature Zero K

Temperature (0000-0013 K)
DA December 1, 1974
USE Temperature Range 0000-0013 K

Temperature (0013-0065 K)
DA December 1, 1974
USE Temperature Range 0013-0065 K

Temperature (0065-0273 K)
DA December 1, 1974
USE Temperature Range 0065-0273 K

Temperature (0273-0400 K)
DA December 1, 1974
USE Temperature Range 0273-0400 K

Temperature (0400-1000 K)
DA December 1, 1974
USE Temperature Range 0400-1000 K

Temperature (1000-4000 K)
DA December 1, 1974
USE Temperature Range 1000-4000 K

Temperature (4000 K And Above)
DA December 1, 1974
USE Temperature Range Over 4000 K

Temperature (Ambient)
DA May 17, 1976
USE Ambient Temperature

Temperature (Body)
DA December 1, 1974
USE Body Temperature

Temperature (Debye)
DA December 1, 1974
USE Debye Temperature

Temperature (Electron)
DA December 1, 1974
USE Electron Temperature

Temperature (Ion)
DA December 1, 1974
USE Ion Temperature

Temperature (Neutron)
DA December 1, 1974
USE Neutron Temperature

Temperature (Nuclear)
DA December 1, 1974
USE Nuclear Temperature

Temperature (Photon)
DA December 1, 1974
USE Photon Temperature

Temperature (Proton)
DA December 1, 1974
USE Proton Temperature

Temperature (Transition)
DA December 1, 1974
USE Transition Temperature

TEMPERATURE COEFFICIENT [01]
DA December 1, 1974
BT1 Reactivity Coefficients
RT Doppler Coefficient
RT Temperature Dependence

TEMPERATURE CONTROL [01]
DA December 1, 1974
BT1 Control
NT1 Thermoregulation
RT Air Conditioning
RT Ambient Temperature
RT Cooling
RT Heating
RT Temperature Measurement
RT Temperature Monitoring
RT Thermal Comfort
RT Thermal Insulation
RT Thermostats

TEMPERATURE DEPENDENCE [01]
DA December 1, 1974
UF *Heat Effects*
UF *Temperature Effects*
UF *Thermal Effects*
RT Ambient Temperature
RT Temperature Coefficient
RT Temperature Distribution
RT Temperature Range
RT Thermochemical Diagrams
RT Vernalization

TEMPERATURE DISTRIBUTION [01]
DA February 6, 1975
RT Ambient Temperature
RT Isotherms
RT Spatial Distribution
RT Temperature Dependence

Temperature Effects
(Prior to June 1993, this was a valid descriptor.)
DA October 28, 1975
USE Temperature Dependence

TEMPERATURE GRADIENTS [01]
DA February 6, 1975
UF *Thermal Gradients*
NT1 Geothermal Gradients
RT Ambient Temperature
RT Onsager Relations

TEMPERATURE INVERSIONS [01]
DA December 16, 1976
UF *Atmospheric Inversion*
UF *Inversion*
UF *Thermal Inversion*
RT Air Pollution
RT Meteorology

TEMPERATURE LOGGING
DA November 29, 1977
BT1 Well Logging
RT Temperature Measurement
DEF Measurement of well temperature as a function of depth in order to ascertain the presence of anomalies.

TEMPERATURE MEASUREMENT [01]
DA December 1, 1974
RT Ambient Temperature
RT Bolometers
RT Calorimeters
RT Calorimetry
RT Degree Days
RT Geothermometers
RT Isotherms
RT Measuring Instruments
RT Noise Thermometers
RT Optical Pyrometers
RT Paleotemperature
RT Pyrometers
RT Reservoir Temperature
RT Temperature Control
RT Temperature Logging
RT Temperature Monitoring
RT Temperature Surveys
RT Thermocouples
RT Thermography
RT Thermometers
RT Well Temperature

TEMPERATURE MONITORING [01]
DA December 1, 1974
BT1 Monitoring
RT In Core Instruments
RT Infrared Thermography
RT Reactor Monitoring Systems
RT Temperature Control
RT Temperature Measurement

TEMPERATURE NOISE [01]
DA December 1, 1974
BT1 Noise
RT Cooling
RT Transients
RT Variations

→**TEMPERATURE RANGE [01]**
DA February 10, 1992
NT1 Temperature Range 0000-0013 K
NT1 Temperature Range 0013-0065 K
NT1 Temperature Range 0065-0273 K
NT1 Temperature Range 0273-0400 K
NT1 Temperature Range 0400-1000 K
NT1 Temperature Range 1000-4000 K
NT1 Temperature Range Over 4000 K
RT Temperature Dependence
RT Temperature Zero K

→**TEMPERATURE RANGE 0000-0013 K [01]**
(Prior to February 1992, this subject was indexed to ULTRALOW TEMPERATURE.)
DA February 10, 1992
UF *Temperature (0000-0013 K)*
UF *Ultralow Temperature*
BT1 Temperature Range

→**TEMPERATURE RANGE 0013-0065 K [01]**
(Prior to February 1992, this subject was indexed to VERY LOW TEMPERATURE.)
DA February 10, 1992
UF *Temperature (0013-0065 K)*
UF *Very Low Temperature*
BT1 Temperature Range

→**TEMPERATURE RANGE 0065-0273 K [01]**
(Prior to February 1992, this subject was indexed to LOW TEMPERATURE.)
DA February 10, 1992
UF *Low Temperature*
UF *Temperature (0065-0273 K)*
BT1 Temperature Range

→**TEMPERATURE RANGE 0273-0400 K [01]**
(Prior to February 1992, this subject was indexed to MEDIUM TEMPERATURE.)
DA February 10, 1992
UF *Medium Temperature*
UF *Temperature (0273-0400 K)*
BT1 Temperature Range

→**TEMPERATURE RANGE 0400-1000 K [01]**
(Prior to February 1992, this subject was indexed to HIGH TEMPERATURE.)
DA February 10, 1992
UF *High Temperature*
UF *Temperature (0400-1000 K)*
BT1 Temperature Range

→**TEMPERATURE RANGE 1000-4000 K [01]**
(Prior to February 1992, this subject was indexed to VERY HIGH TEMPERATURE.)
DA February 10, 1992
UF *Temperature (1000-4000 K)*
UF *Very High Temperature*
BT1 Temperature Range

→**TEMPERATURE RANGE OVER 4000 K [01]**
(Prior to February 1992, this subject was indexed to ULTRAHIGH TEMPERATURE.)
DA February 10, 1992
UF *Temperature (4000 K And Above)*
UF *Ultrahigh Temperature*
BT1 Temperature Range

TEMPERATURE SURVEYS
DA February 11, 1980
UF *Thermal Surveys*
BT1 Geophysical Surveys
BT2 Surveys
RT Geothermal Exploration
RT Temperature Measurement

→**TEMPERATURE ZERO K [01]**
(Prior to February 1992, this subject was indexed to ABSOLUTE ZERO TEMPERATURE.)
DA February 10, 1992
UF *Absolute Zero Temperature*
UF *Temperature (0 K)*
RT Temperature Range

TEMPERING [01]
DA December 1, 1974
BT1 Heat Treatments

TEMPORAL DOSE DISTRIBUTIONS [01]
DA December 1, 1974
BT1 Radiation Dose Distributions
RT Chronic Irradiation
RT Cumulative Radiation Effects
RT Dose Rates
RT Fractionated Irradiation
RT Integral Doses
RT Irradiation Procedures
RT Pulsed Irradiation
RT Time Dependence

→**TENDONS [01]**
DA February 14, 1992
BT1 Connective Tissue
BT2 Animal Tissues
BT3 Tissues
BT4 Body
RT Muscles

Tendons (Structural)
DA September 11, 1978
USE Cables

TENELON
DA December 20, 1978
BT1 Steel-Cr17Mn15NNi
BT2 Austenitic Steels
BT3 Steels
BT4 Iron Base Alloys
BT5 Iron Alloys
BT6 Alloys
BT2 Chromium Alloys
BT3 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Croloy
BT3 Steels
BT4 Iron Base Alloys
BT5 Iron Alloys
BT6 Alloys
BT2 Manganese Alloys
BT3 Alloys
BT2 Nickel Additions
BT3 Nickel Alloys
BT4 Alloys
BT2 Nitrogen Additions
BT3 Alloys
BT2 Stainless Steels
BT3 High Alloy Steels

BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys

TENNESSEE [01]
DA December 1, 1974
BT1 USA
BT2 Developed Countries
BT2 North America
NT1 Chattanooga
NT1 Oak Ridge
RT Chattanooga Formation
RT Clinch River
RT Cumberland River
RT Kingston Steam Plant
RT Little Tennessee River
RT Mississippi River
RT Nuclear Fuel Recovery and Recycling Center
RT Tennessee River
RT Tennessee Valley Region

TENNESSEE RIVER [01]
DA December 1, 1974
BT1 Rivers
BT2 Streams
BT3 Surface Waters
RT Alabama
RT Kentucky
RT Tennessee
RT Tennessee Valley Region

Tennessee Tokamak
DA May 8, 1984
USE TENTOK Reactors

TENNESSEE VALLEY AUTHORITY [01]
DA January 7, 1976
UF *TVA*
BT1 US Organizations
BT2 National Organizations
RT Kingston Steam Plant
RT Little Tennessee River
RT Paradise Steam Plant
RT Shawnee Steam Plant
RT Tennessee Valley Region
RT Widows Creek Steam Plant

TENNESSEE VALLEY REGION [01]
DA September 13, 1978
BT1 Watersheds
RT Alabama
RT Clinch River
RT Kentucky
RT Little Tennessee River
RT Tennessee
RT Tennessee River
RT Tennessee Valley Authority

TENSILE PROPERTIES [01]
DA December 1, 1974
UF *Strength (Tensile)*
UF *Tensile Strength*
BT1 Mechanical Properties
NT1 Ductility
NT1 Elasticity
NT2 Photoelasticity
NT2 Thermoelasticity
NT1 Flexibility
RT Compression Strength
RT Shear
RT Strain Rate
RT Strains
RT Stresses
RT Ultimate Strength
RT Yield Strength

Tensile Strength
DA December 1, 1974
USE Tensile Properties

TENSIOMETERS
DA September 28, 1976
BT1 Measuring Instruments
RT Strain Gages
RT Surface Tension

Tension (Surface)
DA December 1, 1974
USE Surface Tension

TENSOR DOMINANCE MODEL [01]
DA December 1, 1974
UF *Tensor Meson Dominance*
BT1 Particle Models
BT2 Mathematical Models
RT Tensor Mesons

TENSOR FIELDS [01]
DA November 4, 1992
RT Quantum Field Theory

TENSOR FORCES [01]
DA December 1, 1974
RT Nuclear Forces
RT Potentials
RT Tensors
RT Vectors

Tensor Meson Dominance
DA December 1, 1974
USE Tensor Dominance Model

TENSOR MESONS [01]
DA December 1, 1974
BT1 Mesons
BT2 Bosons
BT2 Hadrons
BT3 Elementary Particles
NT1 A2-1320 Mesons
NT1 A3-2050 Mesons
NT1 A4-2040 Mesons
NT1 A6-2450 Mesons
NT1 Chi2-3555 Mesons
NT1 F2-1270 Mesons
NT1 F2-1410 Mesons
NT1 F2-1525 Mesons
NT1 F2-1720 Mesons
NT1 F2-1810 Mesons
NT1 F2-2150 Mesons
NT1 F2-2240 Mesons
NT1 F4-2030 Mesons
NT1 F4-2300 Mesons
NT1 F6-2510 Mesons
NT1 K*2-1430 Mesons
NT1 K*3-1780 Mesons
NT1 K*4-2060 Mesons
NT1 K2-1580 Mesons
NT1 K2-1770 Mesons
NT1 K2-2250 Mesons
NT1 K3-2320 Mesons
NT1 K4-2500 Mesons
NT1 Omega3-1670 Mesons
NT1 Phi J-1850 Mesons
NT1 Pi2-1680 Mesons
NT1 Pi2-2100 Mesons
NT1 Rho3-1690 Mesons
NT1 Rho3-2250 Mesons
NT1 Rho5-2350 Mesons
RT Meson Nonets
RT Noncentral Forces
RT Tensor Dominance Model
DEF Mesons with spin parity of two plus

TENSORS [01]
DA December 1, 1974
NT1 Dielectric Tensor
NT1 Energy-Momentum Tensor
NT1 Ricci Tensor
NT1 Vectors
NT2 Isovectors
RT Mathematics
RT Metrics
RT Scalars
RT Tensor Forces

TENTOK REACTORS
DA May 8, 1984
UF *Tennessee Tokamak*
BT1 Tokamak Type Reactors
BT2 Thermonuclear Reactors
DEF Conceptual design studies of 3000-MW(t) plants fueled with D-T in D-shaped plasma with double-null poloidal divertor.

TERATOGEN SCREENING
DA December 14, 1981
BT1 Screening
RT Mutagen Screening
RT Teratogenesis
RT Teratogens
RT Testing

TERATOGENESIS [01]
DA December 1, 1974
RT Biological Radiation Effects
RT Congenital Malformations
RT Growth
RT Teratogen Screening
RT Teratogens

TERATOGENS [01]
DA August 25, 1980
SF *Chemicals*
RT Carcinogens
RT Congenital Malformations
RT Fetuses
RT Ionizing Radiations
RT Mutagens
RT Teratogen Screening
RT Teratogenesis

TERAWATT POWER RANGE [01]
DA September 18, 1989
BT1 Power Range

TERBIUM [01]
DA December 1, 1974
BT1 Rare Earths
BT2 Metals
BT3 Elements

TERBIUM 140 [01]
DA May 1, 1987
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Terbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

TERBIUM 141 [01]
DA May 23, 1988
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Terbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

TERBIUM 143 [01]
DA June 21, 1985
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Terbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

TERBIUM 144 [01]
DA March 10, 1982
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes

BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Terbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

TERBIUM 145 [01]
DA March 29, 1982
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Terbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

TERBIUM 146 [01]
DA January 21, 1975
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Terbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

TERBIUM 147 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Terbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

TERBIUM 148 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Terbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

TERBIUM 149 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Terbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

TERBIUM 150 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Terbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

TERBIUM 151 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Terbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

TERBIUM 152 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Terbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

TERBIUM 153 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Terbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

TERBIUM 154 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei

BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Terbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

TERBIUM 155 [01]
DA December 1, 1974
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Odd Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Terbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

TERBIUM 156 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Beta Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Terbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

TERBIUM 157 [01]
DA December 1, 1974
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Terbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

TERBIUM 158 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Terbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

TERBIUM 159 [01]
DA December 1, 1974
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
BT1 Terbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

TERBIUM 159 TARGET [01]
DA July 9, 1976
BT1 Targets

TERBIUM 160 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Terbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

TERBIUM 160 TARGET [01]
DA May 25, 1979
BT1 Targets

TERBIUM 161 [01]
DA December 1, 1974
BT1 Beta Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Terbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

TERBIUM 162 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Terbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

TERBIUM 163 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Terbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

TERBIUM 164 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Terbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

TERBIUM 165 [01]
DA July 3, 1986
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Terbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

TERBIUM ADDITIONS [01]
DA December 1, 1974
BT1 Rare Earth Additions
BT2 Rare Earth Alloys
BT3 Alloys
BT1 Terbium Alloys
BT2 Rare Earth Alloys
BT3 Alloys

TERBIUM ALLOYS [01]
DA December 1, 1974
BT1 Rare Earth Alloys
BT2 Alloys
NT1 Terbium Additions
NT1 Terbium Base Alloys

TERBIUM ARSENIDES [01]
DA September 14, 1976
BT1 Arsenides
BT2 Arsenic Compounds
BT2 Pnictides
BT1 Terbium Compounds
BT2 Rare Earth Compounds

TERBIUM BASE ALLOYS [01]
DA December 1, 1974
BT1 Terbium Alloys
BT2 Rare Earth Alloys
BT3 Alloys

TERBIUM BORIDES [01]
DA December 1, 1974
BT1 Borides
BT2 Boron Compounds
BT1 Terbium Compounds
BT2 Rare Earth Compounds

TERBIUM BROMIDES [01]
DA April 8, 1975
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Terbium Compounds
BT2 Rare Earth Compounds

TERBIUM CARBIDES [01]
DA December 1, 1974
BT1 Carbides
BT2 Carbon Compounds
BT1 Terbium Compounds
BT2 Rare Earth Compounds

TERBIUM CARBONATES [01]
DA December 1, 1974
BT1 Carbonates
BT2 Carbon Compounds
BT2 Oxygen Compounds
BT1 Terbium Compounds
BT2 Rare Earth Compounds

TERBIUM CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Terbium Compounds
BT2 Rare Earth Compounds

TERBIUM COMPLEXES [01]
DA December 1, 1974
BT1 Rare Earth Complexes
BT2 Complexes

TERBIUM COMPOUNDS [01]
DA December 1, 1974
BT1 Rare Earth Compounds
NT1 Terbium Arsenides
NT1 Terbium Borides
NT1 Terbium Bromides
NT1 Terbium Carbides
NT1 Terbium Carbonates
NT1 Terbium Chlorides
NT1 Terbium Fluorides
NT1 Terbium Hydrides
NT1 Terbium Hydroxides
NT1 Terbium Iodides
NT1 Terbium Nitrates
NT1 Terbium Nitrides
NT1 Terbium Oxides
NT1 Terbium Perchlorates
NT1 Terbium Phosphides
NT1 Terbium Selenides
NT1 Terbium Silicides
NT1 Terbium Sulfates
NT1 Terbium Sulfides
NT1 Terbium Tellurides

TERBIUM FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Terbium Compounds
BT2 Rare Earth Compounds

TERBIUM HYDRIDES [01]
DA December 1, 1974
BT1 Hydrides
BT2 Hydrogen Compounds
BT1 Terbium Compounds
BT2 Rare Earth Compounds

TERBIUM HYDROXIDES [01]
DA December 1, 1974
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds
BT1 Terbium Compounds
BT2 Rare Earth Compounds

TERBIUM IODIDES [01]
DA January 21, 1975
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds
BT1 Terbium Compounds
BT2 Rare Earth Compounds

TERBIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

TERBIUM ISOTOPES [01]
DA December 1, 1974
BT1 Rare Earth Isotopes
BT2 Isotopes
NT1 Terbium 140
NT1 Terbium 141
NT1 Terbium 143
NT1 Terbium 144
NT1 Terbium 145
NT1 Terbium 146
NT1 Terbium 147
NT1 Terbium 148
NT1 Terbium 149
NT1 Terbium 150
NT1 Terbium 151
NT1 Terbium 152
NT1 Terbium 153
NT1 Terbium 154
NT1 Terbium 155
NT1 Terbium 156
NT1 Terbium 157
NT1 Terbium 158
NT1 Terbium 159
NT1 Terbium 160
NT1 Terbium 161
NT1 Terbium 162
NT1 Terbium 163
NT1 Terbium 164
NT1 Terbium 165

TERBIUM NITRATES [01]
DA December 1, 1974
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds
BT1 Terbium Compounds
BT2 Rare Earth Compounds

TERBIUM NITRIDES [01]
DA December 1, 1974
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides
BT1 Terbium Compounds
BT2 Rare Earth Compounds

TERBIUM OXIDES [01]
DA December 1, 1974
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds
BT1 Terbium Compounds
BT2 Rare Earth Compounds

TERBIUM PERCHLORATES [01]
DA January 21, 1975
BT1 Perchlorates
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Oxygen Compounds
BT1 Terbium Compounds
BT2 Rare Earth Compounds

TERBIUM PHOSPHATES [01]
DA February 20, 1975
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds

TERBIUM PHOSPHIDES [01]
DA August 4, 1976
BT1 Phosphides
BT2 Phosphorus Compounds
BT2 Pnictides
BT1 Terbium Compounds
BT2 Rare Earth Compounds

TERBIUM SELENIDES [01]
DA September 13, 1978
BT1 Selenides
BT2 Chalcogenides
BT2 Selenium Compounds
BT1 Terbium Compounds
BT2 Rare Earth Compounds

TERBIUM SILICIDES [01]
DA May 15, 1975
BT1 Silicides
BT2 Silicon Compounds
BT1 Terbium Compounds
BT2 Rare Earth Compounds

TERBIUM SULFATES [01]
DA December 1, 1974
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds
BT1 Terbium Compounds
BT2 Rare Earth Compounds

TERBIUM SULFIDES [01]
DA December 1, 1974
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds
BT1 Terbium Compounds
BT2 Rare Earth Compounds

TERBIUM TELLURIDES [01]
DA October 20, 1977
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds
BT1 Terbium Compounds
BT2 Rare Earth Compounds

TEREPHTHALIC ACID [01]
DA December 1, 1974
UF *Benzenedicarboxylic Acid-para*
BT1 Dicarboxylic Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
RT Dacron

TERMINAL FACILITIES
DA March 4, 1977
UF *Facilities (Terminal)*
NT1 Deep Water Oil Terminals
RT Energy Facilities
RT Liquefied Natural Gas
RT Maintenance Facilities
RT Storage Facilities

TERNARY ALLOY SYSTEMS [01]
DA December 1, 1974
BT1 Alloy Systems

TERNARY FISSION [01]
DA December 1, 1974
BT1 Fission
BT2 Nuclear Reactions

TERNE-METAL [01]
DA December 1, 1974
BT1 Antimony Alloys
BT2 Alloys
BT1 Lead Base Alloys
BT2 Lead Alloys
BT3 Alloys
BT1 Tin Alloys
BT2 Alloys

TERPENES [01]
DA December 1, 1974
BT1 Organic Compounds
NT1 Camphene
NT1 Camphor

NT1 Carotenoids
NT1 Geraniol
NT1 Squalene
NT1 Turpentine
RT Oils

TERPHENYL-META [01]
DA December 1, 1974
BT1 Terphenyls
BT2 Polyphenyls
BT3 Aromatics
BT4 Organic Compounds
BT3 Hydrocarbons
BT4 Organic Compounds

TERPHENYL-ORTHO [01]
DA December 1, 1974
BT1 Terphenyls
BT2 Polyphenyls
BT3 Aromatics
BT4 Organic Compounds
BT3 Hydrocarbons
BT4 Organic Compounds

TERPHENYL-PARA [01]
DA December 1, 1974
BT1 Terphenyls
BT2 Polyphenyls
BT3 Aromatics
BT4 Organic Compounds
BT3 Hydrocarbons
BT4 Organic Compounds

TERPHENYLS [01]
DA December 1, 1974
BT1 Polyphenyls
BT2 Aromatics
BT3 Organic Compounds
BT2 Hydrocarbons
BT3 Organic Compounds
NT1 Terphenyl-Meta
NT1 Terphenyl-Ortho
NT1 Terphenyl-Para
RT Liquid Scintillators
RT Plastic Scintillators

Terramycin
DA December 1, 1974
USE Oxytetracycline

Terrestrial Background
DA December 1, 1974
USE Background Radiation

TERRESTRIAL ECOSYSTEMS [01]
DA December 1, 1974
BT1 Ecosystems
NT1 Rangelands
NT1 Savannas
NT1 Swamps
RT Arid Lands
RT Deserts
RT Dunes
RT Forests
RT Islands
RT Land Resources
RT Prevention of Significant Deterioration
RT Soils
RT Tundra

TERRITORIAL WATERS [01]
DA May 6, 1975
BT1 Surface Waters
RT Coastal Waters
RT Continental Shelf
RT Government Policies
RT Maritime Laws

TERRORISM
DA May 6, 1987
RT Adversaries

TERTIARY PERIOD [01]
DA October 19, 1977
UF *Neogene Period*
UF *Oligocene Epoch*
UF *Paleocene Epoch*
UF *Paleogene Period*
BT1 Cenozoic Era
BT2 Geologic Ages
NT1 Eocene Epoch
NT1 Miocene Epoch
NT1 Pliocene Epoch

Tertiary Recovery
DA February 23, 1976
USE Enhanced Recovery

Terylene
DA December 1, 1974
USE Dacron

TESI DEVICES
DA January 27, 1975
BT1 Pinch Devices
BT2 Thermonuclear Devices

TEST FACILITIES [01]
DA April 8, 1975
UF *Facilities (Test)*
UF *Liquid Metal Test Facilities*
NT1 Advanced Components Test Facility
NT1 Central Receiver Test Facility
NT1 CNRS Solar Facility
NT1 EAST Facility
NT1 FELIX Facility
NT1 MSSTF
NT1 Tonopah Test Range
NT1 Tritium Systems Test Assembly
NT1 White Sands Solar Facility
RT Large Coil Program
RT Maintenance Facilities
RT Nuclear Facilities
RT STTFUA
RT Testing

Test Fast Breeder Reactor Kalpakkam
DA December 1, 1974
USE Kalpakkam LMFBR Reactor

TEST PARTICLES [01]
DA December 1, 1974
RT Charged Particles

TEST REACTORS [01]
DA December 1, 1974
BT1 Research and Test Reactors
BT2 Reactors
NT1 AIPFR Reactor
NT1 ARBUS Reactor
NT1 ASTR Reactor
NT1 ASTRA Reactor
NT1 ATPR Reactor
NT1 ATR Reactor
NT1 BARN Reactor
NT1 BAWTR Reactor
NT1 BGRR Reactor
NT1 BORAX-5 Reactor
NT1 BR-02 Reactor
NT1 BRR Reactor
NT1 Cesnef Reactor
NT1 Cirus Reactor
NT1 CP-5 Reactor
NT1 Dhruva Reactor
NT1 Dimple Reactor
NT1 Diorit Reactor
NT1 EBOR Reactor
NT1 EBR-1 Reactor
NT1 ECO Reactor
NT1 EOCR Reactor
NT1 ESADA-VESR Reactor
NT1 ESSOR Reactor
NT1 ETR Reactor
NT1 ETRC Reactor
NT1 FFTF Reactor
NT1 FIR-1 Reactor
NT1 FMRB Reactor
NT1 FNR Reactor
NT1 FR-2 Reactor
NT1 FRCTF Reactor
NT1 FRG-1 Reactor
NT1 FRN Reactor
NT1 GETR Reactor
NT1 Grenoble Reactor
NT1 GTR Reactor
NT1 GTRR Reactor
NT1 Harmonie Reactor
NT1 Herald Reactor
NT1 Hero Reactor
NT1 HEW-305 Reactor
NT1 HFIR Reactor
NT1 HIFAR Reactor
NT1 HRE-2 Reactor
NT1 HTLTR Reactor
NT1 IRL Reactor
NT1 IRR-1 Reactor
NT1 IRT-2000 Djakarta Reactor
NT1 IRT-2000 Moscow Reactor
NT1 Ispra-1 Reactor
NT1 JMTR Reactor
NT1 Kalpakkam LMFBR Reactor
NT1 KMR Reactor
NT1 Loft Reactor
NT1 MZFR Reactor
NT1 NETR Reactor
NT1 NRU Reactor
NT1 NTR Reactor
NT1 Orphee Reactor
NT1 OWR Reactor
NT1 PAT Reactor
NT1 Pegase Reactor
NT1 Proteus Reactor
NT1 RA-3 Reactor
NT1 Rapsodie Reactor
NT1 RTS-1 Reactor
NT1 S1C Prototype Reactor
NT1 Safari-1 Reactor
NT1 SBR-5 Reactor
NT1 SNAPTRAN Reactors
NT1 STF Reactor
NT1 Tapiro Reactor
NT1 Tory-2A Reactor
NT1 Tory-2C Reactor
NT1 TREAT Reactor
NT1 TRIGA-1-Michigan Reactor
NT1 TRIGA-2-Pavia Reactor
NT1 TSR-1 Reactor
NT1 TSR-2 Reactor
NT1 URR Reactor
NT1 UVAR Reactor
NT1 VIPER Reactor
NT1 WR-1 Reactor
NT1 WTR Reactor
NT1 WWR-S-Baghdad Reactor
DEF A facility to test the technical feasibility of a concept or to provide the technical basis for a similar facility in a larger size.

Test Wells
DA January 30, 1979
USE Exploratory Wells

TESTES [01]
DA December 1, 1974
BT1 Gonads
BT1 Male Genitals
BT2 Organs
BT3 Body
RT Androgens
RT Spermatogenesis

TESTING [01]
DA December 1, 1974
NT1 Drill Stem Testing
NT1 Field Tests
NT1 Flight Testing
NT1 Frequency Response Testing
NT1 Leak Testing
* NT1 Materials Testing
NT1 Performance Testing
NT1 Road Tests
NT1 Validation
NT2 Information Validation
RT Bench-Scale Experiments
RT Carcinogen Screening
RT Certification
RT Evaluation
RT Feasibility Studies
RT Inspection
RT Mutagen Screening
RT Sampling
RT Teratogen Screening
RT Test Facilities
DEF Subjection to specific planned procedures calculated to reveal any deficiencies.

Testing (Biological)
DA December 1, 1974
USE Bioassay

Testing (Materials)
DA December 1, 1974
USE Materials Testing

TESTOSTERONE [01]
DA December 1, 1974
BT1 Androgens
BT2 Androstanes
BT3 Steroids
BT4 Organic Compounds
BT2 Steroid Hormones
BT3 Hormones
BT1 Hydroxy Compounds
BT2 Organic Compounds
BT1 Ketones
BT2 Organic Compounds

TETA [01]
DA December 1, 1974
UF *Triethylenetetramine*
BT1 Amines
BT2 Organic Compounds

TETAHA [01]
DA December 1, 1974
UF *Triethylenetetraaminehexaacetic Acid*
BT1 Amino Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT1 Chelating Agents

TETANUS [01]
DA December 1, 1974
BT1 Bacterial Diseases
BT2 Infectious Diseases
BT3 Diseases

TETRACENE [01]
DA December 1, 1974
BT1 Condensed Aromatics
BT2 Aromatics
BT3 Organic Compounds
BT1 Hydrocarbons
BT2 Organic Compounds

Tetrachlorobenzoquinone
DA December 1, 1974
USE Chloranil

Tetrachloromethane
DA May 5, 1975
USE Carbon Tetrachloride

TETRACYCLINES [01]
DA December 1, 1974
BT1 Antibiotics
BT2 Anti-Infective Agents
BT3 Drugs
NT1 Chlortetracycline
NT1 Oxytetracycline

TETRADECANOIC ACID [01]
DA December 1, 1974
UF *Myristic Acid*
BT1 Monocarboxylic Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds

Tetraethyl Lead
DA December 1, 1974
USE TEL

Tetraethylammonium Bromide
DA December 1, 1974
USE TEAB

Tetrafluoromethane
DA August 24, 1976
USE Carbon Tetrafluoride

TETRAGONAL LATTICES [01]
DA December 1, 1974
BT1 Crystal Lattices
BT2 Crystal Structure

TETRAHYDROFURAN [01]
DA November 23, 1979
UF *THF*
BT1 Furans
BT2 Heterocyclic Compounds
BT3 Organic Compounds
BT2 Organic Oxygen Compounds
BT3 Organic Compounds
NT1 MTHF

Tetrahydronaphthalene
DA December 1, 1974
USE Tetralin

TETRAHYDROPYRAN [01]
DA December 1, 1974
BT1 Pyrans
BT2 Heterocyclic Compounds
BT3 Organic Compounds
BT2 Organic Oxygen Compounds
BT3 Organic Compounds
RT Ethers

Tetrahydropyrroles
DA December 1, 1974
USE Pyrrolidines

Tetrahydroxybutane
DA December 1, 1974
USE Erythritol

TETRAHYMENA [01]
DA December 1, 1974
BT1 Ciliata
BT2 Protozoa
BT3 Invertebrates
BT4 Animals
BT3 Microorganisms

TETRALIN [01]
DA December 1, 1974
UF *Tetrahydronaphthalene*
BT1 Aromatics
BT2 Organic Compounds
BT1 Hydroaromatics
BT2 Organic Compounds
BT1 Hydrocarbons
BT2 Organic Compounds
RT Naphthalene

Tetramethyl-4-piperidone-N-Oxyl
DA April 8, 1975
USE Triacetoneamine-N-Oxyl

1,2,4,5-Tetramethylbenzene
DA December 1, 1974
USE Durene

Tetramethylenediamine
DA December 1, 1974
USE Putrescine

Tetramethylethylene Glycol
DA December 1, 1974
USE Pinacol

Tetramethyltetraselenafulvalene
DA April 7, 1983
USE TMTSF

TETRANEUTRONS [01]
DA January 21, 1975
BT1 Polyneutrons
BT2 Neutrons
BT3 Nucleons
BT4 Baryons
BT5 Fermions
BT5 Hadrons
BT6 Elementary Particles
DEF Bound state of four neutrons.

Tetraphenylethylene Glycol
DA December 1, 1974
USE Benzopinacol

Tetraploidy
DA December 1, 1974
USE Polyploidy

Tetrathiafulvalene
DA November 25, 1980
USE TTF

Tetrathiafulvalene Tetracyanoquinodimethane
DA October 1, 1975
USE TTF-TCNQ

TETRAZOLES [01]
(Compounds that contain a five-membered heterocyclic ring containing four nitrogen atoms.)
DA December 1, 1974
BT1 Azoles
BT2 Heterocyclic Compounds
BT3 Organic Compounds
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
NT1 Tetrazolium

TETRAZOLIUM [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Tetrazoles
BT2 Azoles
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds

TETRYL
DA January 27, 1975
BT1 Amines
BT2 Organic Compounds
BT1 Chemical Explosives
BT2 Explosives
BT1 Nitro Compounds
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds

TEV RANGE [01]
DA December 1, 1974
BT1 Energy Range
NT1 TeV Range 01-10
NT1 TeV Range 10-100
NT1 TeV Range 100-1000

TEV RANGE 01-10 [01]
DA November 10, 1977
BT1 TeV Range
BT2 Energy Range

TEV RANGE 10-100 [01]
DA November 10, 1977
BT1 TeV Range
BT2 Energy Range

TEV RANGE 100-1000 [01]
DA November 10, 1977
BT1 TeV Range
BT2 Energy Range

Tevatron
(Prior to July 1985, this was a valid descriptor and older material is so indexed.)
DA September 15, 1983
USE Fermilab Tevatron

TEWA EVENT [01]
DA May 23, 1984
BT1 Atmospheric Explosions
BT2 Explosions
BT1 Redwing Project
RT Bikini

TEXACO GASIFICATION PROCESS [01]
DA May 7, 1977
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes
DEF Coal, or any carbonaceous fuel, and oxygen are reacted in carbon monoxide and hydrogen at temperatures of 1200-2200°F and pressures of 300-4500 psi. Steam may be used optionally. Hydrogen and carbon monoxide are recycled to the reactor to optimize methane yield. The high-Btu offgas is suitable for upgrading to pipeline quality.

TEXAS [01]
DA December 1, 1974
BT1 USA
BT2 Developed Countries
BT2 North America
RT Brazos River
RT Dalhart Basin
RT Matagorda Bay
RT Palo Duro Basin
RT Pantex Plant
RT Permian Basin
RT Rio Grande River
RT San Antonio Bay
RT US Gulf Coast
RT Uvalde Deposit

TEXAS A AND M CYCLOTRON [01]
DA December 1, 1974
BT1 Isochronous Cyclotrons
BT2 Cyclotrons
BT3 Cyclic Accelerators
BT4 Accelerators

Texas College Station Training Reactor
DA December 1, 1974
USE NSCR Reactor

Texas Experimental Tokamak
DA March 8, 1978
USE TEXT Devices

TEXAS SUPERCONDUCTING CYCLOTRON [01]
DA March 24, 1983
BT1 Heavy Ion Accelerators
BT2 Accelerators
BT1 Isochronous Cyclotrons
BT2 Cyclotrons
BT3 Cyclic Accelerators
BT4 Accelerators
BT1 Superconducting Cyclotrons
BT2 Cyclotrons
BT3 Cyclic Accelerators
BT4 Accelerators

TEXT DEVICES [01]
DA March 8, 1978
UF *Texas Experimental Tokamak*
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices
DEF TEXT is intended for diagnostic development and basic physics experiments including rf heating.

TEXT EDITORS
DA June 14, 1978
RT Computer Codes
DEF Means, often computer codes, to create or modify any sort of text, report, or computer code.

TEXTILE INDUSTRY
DA June 24, 1977
BT1 Industry
RT Textiles

TEXTILES [01]
DA December 1, 1974
RT Clothing
RT Cotton
RT Dacron
RT Jute
RT Rayon
RT Textile Industry
RT Wool

TEXTOLITE [01]
DA December 1, 1974
BT1 Organic Polymers
BT2 Organic Compounds
BT2 Polymers

TEXTOR TOKAMAK [01]
DA November 10, 1977
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

TEXTURE [01]
DA December 1, 1974
RT Crystal Structure
RT Grain Orientation
RT Schulz Method

TFCX REACTORS
DA October 24, 1984
UF *Tokamak Fusion Core Experiment*
BT1 Tokamak Type Reactors
BT2 Thermonuclear Reactors

TFR TOKAMAK [01]
DA December 1, 1974
UF *Tokamak Fontenay-Aux-Roses*
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

TFTR Device
DA May 3, 1979
USE TFTR Tokamak

TFTR Reactors
(Prior to July 1985, this was a valid descriptor and older material is so indexed.)
DA April 6, 1978
USE TFTR Tokamak

TFTR TOKAMAK [01]
DA July 1, 1985
UF *TFTR Device*
UF *TFTR Reactors*
UF *Tokamak Fusion Test Reactor*
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

Thai Research Reactor-1
DA December 1, 1974
USE TRR-1 Reactor

THAILAND [01]
DA December 1, 1974
BT1 Asia
BT1 Developing Countries

THALAMUS [01]
DA December 1, 1974
BT1 Brain
BT2 Central Nervous System
BT3 Nervous System
BT2 Organs
BT3 Body
RT Ganglions

THALASSEMIA [01]
DA December 1, 1974
BT1 Anemias
BT2 Hemic Diseases
BT3 Diseases
BT2 Symptoms

THALLIUM [01]
DA December 1, 1974
BT1 Metals
BT2 Elements

THALLIUM 179 [01]
DA August 25, 1983
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Thallium Isotopes
BT2 Isotopes

THALLIUM 182 [01]
DA September 8, 1981
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Thallium Isotopes
BT2 Isotopes

THALLIUM 183 [01]
DA September 22, 1981
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Thallium Isotopes
BT2 Isotopes

THALLIUM 184 [01]
DA January 10, 1977
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Thallium Isotopes
BT2 Isotopes

THALLIUM 185 [01]
DA April 13, 1977
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Thallium Isotopes
BT2 Isotopes

THALLIUM 186 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BT1 Thallium Isotopes
BT2 Isotopes

THALLIUM 187 [01]
DA June 30, 1975
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Thallium Isotopes
BT2 Isotopes

THALLIUM 188 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Thallium Isotopes
BT2 Isotopes

THALLIUM 189 [01]
DA April 7, 1975
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Thallium Isotopes
BT2 Isotopes

THALLIUM 190 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Thallium Isotopes
BT2 Isotopes

THALLIUM 191 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Thallium Isotopes
BT2 Isotopes

THALLIUM 192 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Thallium Isotopes
BT2 Isotopes

THALLIUM 193 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Thallium Isotopes
BT2 Isotopes

THALLIUM 194 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Thallium Isotopes
BT2 Isotopes

THALLIUM 195 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Thallium Isotopes
BT2 Isotopes

THALLIUM 196 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Thallium Isotopes
BT2 Isotopes

THALLIUM 197 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Thallium Isotopes
BT2 Isotopes

THALLIUM 198 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Thallium Isotopes
BT2 Isotopes

THALLIUM 199 [01]
DA December 1, 1974
BT1 Electron Capture Radioisotopes

BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Thallium Isotopes
BT2 Isotopes

THALLIUM 200 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Thallium Isotopes
BT2 Isotopes

THALLIUM 201 [01]
DA December 1, 1974
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Thallium Isotopes
BT2 Isotopes

THALLIUM 202 [01]
DA December 1, 1974
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Thallium Isotopes
BT2 Isotopes

THALLIUM 203 [01]
DA December 1, 1974
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
BT1 Thallium Isotopes
BT2 Isotopes

THALLIUM 203 TARGET [01]
DA July 9, 1976
BT1 Targets

THALLIUM 204 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Thallium Isotopes
BT2 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

THALLIUM 205 [01]
DA December 1, 1974
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
BT1 Thallium Isotopes
BT2 Isotopes

THALLIUM 205 REACTIONS [01]
DA July 6, 1978
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

THALLIUM 205 TARGET [01]
DA July 9, 1976
BT1 Targets

THALLIUM 206 [01]
DA December 1, 1974
UF *Radium E/*
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Thallium Isotopes
BT2 Isotopes

THALLIUM 207 [01]
DA December 1, 1974
UF *Actinium C/*
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Thallium Isotopes
BT2 Isotopes

THALLIUM 207 TARGET [01]
DA May 23, 1980
BT1 Targets

THALLIUM 208 [01]
DA December 1, 1974
UF *Thorium C/*
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Thallium Isotopes
BT2 Isotopes

THALLIUM 209 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Thallium Isotopes
BT2 Isotopes

THALLIUM 209 TARGET [01]
DA July 10, 1984
BT1 Targets

THALLIUM 210 [01]
DA December 1, 1974
UF *Radium C/*
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Thallium Isotopes
BT2 Isotopes

THALLIUM ADDITIONS [01]
DA December 1, 1974
BT1 Thallium Alloys
BT2 Alloys

THALLIUM ALLOYS [01]
DA December 1, 1974
BT1 Alloys
NT1 Thallium Additions
NT1 Thallium Base Alloys

THALLIUM BASE ALLOYS [01]
DA December 1, 1974
BT1 Thallium Alloys
BT2 Alloys

THALLIUM BROMIDES [01]
DA December 1, 1974
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Thallium Halides
BT2 Halides
BT3 Halogen Compounds
BT2 Thallium Compounds

THALLIUM CARBIDES [01]
DA December 16, 1975
BT1 Carbides

BT2 Carbon Compounds
BT1 Thallium Compounds

THALLIUM CARBONATES [01]
DA October 20, 1977
BT1 Carbonates
BT2 Carbon Compounds
BT2 Oxygen Compounds
BT1 Thallium Compounds

THALLIUM CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Thallium Halides
BT2 Halides
BT3 Halogen Compounds
BT2 Thallium Compounds

THALLIUM COMPLEXES [01]
DA December 1, 1974
BT1 Complexes

THALLIUM COMPOUNDS [01]
DA December 1, 1974
NT1 Thallium Carbides
NT1 Thallium Carbonates
NT1 Thallium Halides
NT2 Thallium Bromides
NT2 Thallium Chlorides
NT2 Thallium Fluorides
NT2 Thallium Iodides
NT1 Thallium Hydrides
NT1 Thallium Hydroxides
NT1 Thallium Nitrates
NT1 Thallium Oxides
NT1 Thallium Perchlorates
NT1 Thallium Phosphates
NT1 Thallium Selenides
NT1 Thallium Sulfates
NT1 Thallium Sulfides
NT1 Thallium Tellurides
NT1 Thallium Tungstates
NT1 Thallium Uranates

THALLIUM FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Thallium Halides
BT2 Halides
BT3 Halogen Compounds
BT2 Thallium Compounds

THALLIUM HALIDES [01]
DA May 13, 1976
BT1 Halides
BT2 Halogen Compounds
BT1 Thallium Compounds
NT1 Thallium Bromides
NT1 Thallium Chlorides
NT1 Thallium Fluorides
NT1 Thallium Iodides

THALLIUM HYDRIDES [01]
DA August 12, 1980
BT1 Hydrides
BT2 Hydrogen Compounds
BT1 Thallium Compounds

THALLIUM HYDROXIDES [01]
DA December 1, 1974
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds
BT1 Thallium Compounds

THALLIUM IODIDES [01]
DA December 1, 1974
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds
BT1 Thallium Halides
BT2 Halides
BT3 Halogen Compounds
BT2 Thallium Compounds

THALLIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 *Charged Particles*

THALLIUM ISOTOPES [01]
DA December 1, 1974
BT1 Isotopes
NT1 Thallium 179
NT1 Thallium 182
NT1 Thallium 183
NT1 Thallium 184
NT1 Thallium 185
NT1 Thallium 186
NT1 Thallium 187
NT1 Thallium 188
NT1 Thallium 189
NT1 Thallium 190
NT1 Thallium 191
NT1 Thallium 192
NT1 Thallium 193
NT1 Thallium 194
NT1 Thallium 195
NT1 Thallium 196
NT1 Thallium 197
NT1 Thallium 198
NT1 Thallium 199
NT1 Thallium 200
NT1 Thallium 201
NT1 Thallium 202
NT1 Thallium 203
NT1 Thallium 204
NT1 Thallium 205
NT1 Thallium 206
NT1 Thallium 207
NT1 Thallium 208
NT1 Thallium 209
NT1 Thallium 210

THALLIUM NITRATES [01]
DA December 1, 1974
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds
BT1 Thallium Compounds

THALLIUM OXIDES [01]
DA December 1, 1974
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds
BT1 Thallium Compounds

THALLIUM PERCHLORATES [01]
DA December 1, 1974
BT1 Perchlorates
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Oxygen Compounds
BT1 Thallium Compounds

THALLIUM PHOSPHATES [01]
DA February 23, 1979
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds
BT1 Thallium Compounds

THALLIUM SELENIDES [01]
DA August 19, 1975
BT1 Selenides
BT2 Chalcogenides
BT2 Selenium Compounds
BT1 Thallium Compounds

THALLIUM SULFATES [01]
DA December 1, 1974
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds
BT1 Thallium Compounds

THALLIUM SULFIDES [01]
DA December 1, 1974
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds
BT1 Thallium Compounds

THALLIUM TELLURIDES [01]
DA November 28, 1975
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds
BT1 Thallium Compounds

THALLIUM TUNGSTATES [01]
DA November 17, 1976
BT1 Thallium Compounds
BT1 Tungstates

THALLIUM URANATES [01]
DA January 21, 1975
BT1 Thallium Compounds
BT1 Uranates
BT2 Uranium Compounds
BT3 Actinide Compounds

THAMES RIVER [01]
DA April 19, 1976
BT1 Rivers
BT2 Streams
BT3 Surface Waters

THAWING
DA March 11, 1976
RT Cryobiology
RT Freezing
RT Melting

The Geysers
DA January 29, 1975
USE Geysers Geothermal Field

The Next Step Device
DA March 3, 1978
USE TNS Reactors

THEBAINE [01]
DA December 1, 1974
BT1 Morphine
BT2 Alkaloids
BT3 Organic Compounds
BT2 Opium
BT3 Analgesics
BT4 Central Nervous System Depressants
BT5 Drugs
BT3 Narcotics
BT4 Central Nervous System Depressants
BT5 Drugs

THEFT
DA February 19, 1976
BT1 Crime
RT Adversaries
RT Embezzlement
RT Physical Protection Devices
RT Sabotage
RT Security
RT Vulnerability

Thematic Mapping
DA February 22, 1991
USE Multispectral Photography

Thenoyltrifluoroacetone
DA December 1, 1974
USE TTA

Theobroma
DA December 1, 1974
USE Cacao Trees

THEOBROMINE [01]
DA December 1, 1974
UF *3,7-Dimethylxanthine*
BT1 Vasodilators
BT2 Cardiovascular Agents
BT3 Drugs
BT1 Xanthines
BT2 Organic Oxygen Compounds
BT3 Organic Compounds
BT2 Purines
BT3 Azaarenes
BT4 Aromatics
BT5 Organic Compounds
BT4 Heterocyclic Compounds
BT5 Organic Compounds

BT4 Organic Nitrogen Compounds
BT5 Organic Compounds

THEOPHYLLINE [01]
DA December 1, 1974
UF *1,3-Dimethylxanthine*
BT1 Vasodilators
BT2 Cardiovascular Agents
BT3 Drugs
BT1 Xanthines
BT2 Organic Oxygen Compounds
BT3 Organic Compounds
BT2 Purines
BT3 Azaarenes
BT4 Aromatics
BT5 Organic Compounds
BT4 Heterocyclic Compounds
BT5 Organic Compounds
BT4 Organic Nitrogen Compounds
BT5 Organic Compounds

THEORETICAL DATA [01]
DA February 27, 1979
BT1 Numerical Data
BT2 Data
BT3 Information

Therapeutic Agents
DA April 20, 1981
USE Drugs

THERAPEUTIC USES
DA September 24, 1985
BT1 Uses
RT Therapy

THERAPY [01]
DA December 1, 1974
UF *Treatment (Therapy)*
NT1 Chemotherapy
NT1 Combined Therapy
NT1 First Aid
NT2 Cardiopulmonary Resuscitation
NT1 Immunotherapy
NT2 Radioimmunotherapy
NT1 Post-Irradiation Therapy
NT1 Radiotherapy
NT2 Afterloading
NT2 Neutron Therapy
NT3 Neutron Capture Therapy
NT2 Radioimmunotherapy
NT1 Transfusions
RT Balneology
RT Biological Recovery
RT Bleomycin
RT Castration
RT Diet
RT Injection
RT Medicine
RT Patients
RT Radioimmunology
RT Side Effects
RT Surgery
RT Therapeutic Uses

Thermal Alteration
DA August 9, 1977
USE Maturation

THERMAL ANALYSIS [01]
DA December 1, 1974
UF *Analysis (Thermal)*
NT1 Differential Thermal Analysis
NT1 Dilatometry
NT1 Emanation Thermal Analysis
NT1 Thermal Gravimetric Analysis
RT Phase Diagrams
RT Phase Transformations
RT Structural Chemical Analysis
RT Thermal Expansion

THERMAL BARRIERS [01]
DA October 5, 1982
RT Plasma Confinement
RT TMX Devices
DEF The thermal barrier consists of a region of magnetic field strength, plasma density, and plasma potential between each end plug and the central cell of a tandem mirror machine. The depressed plasma potential serves to insulate thermally the plus electrons from the central cell electrons. With barriers and auxiliary electron heating in the plugs, the central cell confining pc ial can be generated with a k r plus plasma density, mag..etic field strength, and beam injection energy than for the case without barriers.

THERMAL BATTERIES
DA January 22, 1975
BT1 Electric Batteries
BT2 Electrochemical Cells
RT Electrolytic Cells
RT Thermoelectric Conversion

THERMAL BOUNDARY RESISTANCE [01]
DA December 1, 1974
NT1 Kapitza Resistance
RT Heat Transfer
DEF Thermal impedance at an interface at ultralow temperature.

THERMAL COLUMNS [01]
DA December 1, 1974
UF *Columns (Thermal)*
UF *Reactor Thermal Columns*
RT Moderators
RT Neutron Sources
RT Thermal Neutrons

THERMAL COMFORT
DA December 8, 1980
RT Architecture
RT Environment
RT Humidity Control
RT Microclimates
RT Psychrometry
RT Temperature Control
DEF That condition which expresses satisfaction with the thermal environment and which is measured by such factors as air temperature, relative humidity, air velocity, etc.

THERMAL CONDUCTION [01]
DA December 1, 1974
BT1 Heat Transfer
BT2 Energy Transfer
RT Heat Flow
RT Thermal Conductivity
RT Thermal Insulation
DEF Heat transfer by conduction.

THERMAL CONDUCTIVITY [01]
DA December 1, 1974
UF *Conductivity (Thermal)*
BT1 Thermodynamic Properties
BT2 Physical Properties
RT Heat Transfer
RT Liquid Flow
RT Matthiessen Rule
RT Permeability
RT Righi-Leduc Effect
RT Thermal Conduction
RT Thermal Diffusivity
RT Umklapp Processes
RT Wiedemann-Franz Law

THERMAL CRACKING
DA December 15, 1976
BT1 Cracking
BT2 Pyrolysis
BT3 Decomposition
BT4 Chemical Reactions
BT3 Thermochemical Processes
RT Catalytic Cracking
RT Hydrocracking

THERMAL CYCLING [01]
DA December 1, 1974
RT Mechanical Tests
RT Thermal Shock

Thermal Decay Time Log
DA March 27, 1979
USE Neutron-Gamma Logging

Thermal Decomposition
DA December 1, 1974
USE Pyrolysis

THERMAL DEGRADATION [01]
DA January 31, 1975
UF *Degradation (Thermal)*
RT Pyrolysis
DEF Impairment of properties caused by exposure to heat.

THERMAL DIFFUSION [01]
(Phenomenon in which a temperature gradient in a mixture of fluids gives rise to a flow of one constituent relative to the mixture as a whole.)
DA December 1, 1974
BT1 Diffusion
RT Heat Transfer
RT Isotope Separation
RT Separation Processes
RT Thermal Diffusivity

THERMAL DIFFUSIVITY [01]
(The quantity of heat passing normally through a unit area per unit time divided by the product of specific heat, density, and temperature gradient.)
DA December 1, 1974
BT1 Thermodynamic Properties
BT2 Physical Properties
RT Thermal Conductivity
RT Thermal Diffusion
RT Thermal Insulation

Thermal Effects
DA October 28, 1975
USE Temperature Dependence

THERMAL EFFICIENCY [01]
DA December 1, 1974
BT1 Efficiency
RT Thermodynamics

THERMAL EFFLUENTS [01]
DA December 1, 1974
UF *Effluents (Thermal)*
UF *Heated Effluents*
SF *Heat Dissipation*
RT Cold Effluents
RT Heat Sinks
RT Thermal Pollution
RT Waste Heat

THERMAL ENERGY STORAGE EQUIPMENT [01]
DA November 28, 1975
UF *Heat Storage Devices*
UF *Heat Storage Systems*
BT1 Equipment
RT Energy Storage Systems
RT Heat Storage
RT Latent Heat Storage
RT Peaking Power Plants
RT Sensible Heat Storage
RT Solar-Assisted Power Systems
RT Solar Equipment
RT Thermochemical Heat Storage

Thermal Envelope Houses
DA June 13, 1981
USE Double Envelope Buildings

THERMAL EQUILIBRIUM [01]
DA December 1, 1974
BT1 Equilibrium
RT Thermodynamic Properties

THERMAL EXPANSION [01]
DA December 1, 1974
BT1 Expansion
RT Contraction

RT Dilatometry
RT Elongation
RT Expansion Joints
RT Grueneisen Constant
RT Swelling
RT Thermal Analysis
RT Thermodynamic Properties
RT Thermoelasticity

THERMAL FATIGUE [01]
DA December 1, 1974
BT1 Fatigue
BT2 Mechanical Properties

THERMAL FISSION [01]
DA December 1, 1974
BT1 Fission
BT2 Nuclear Reactions
BT1 Neutron Reactions
BT2 Nucleon Reactions
BT3 Baryon Reactions
BT4 Hadron Reactions
BT5 Nuclear Reactions
RT Thermal Neutrons
RT Watt Fission Spectrum

THERMAL FISSION FACTOR [01]
DA December 1, 1974
RT Fission
RT Multiplication Factors

THERMAL FRACTURES [01]
DA July 9, 1980
BT1 Fractures
BT2 Failures
RT Cracks
RT Thermal Fracturing
RT Thermal Stresses

THERMAL FRACTURING
DA July 9, 1980
BT1 Fracturing
RT Thermal Fractures
RT Thermal Stresses
DEF The formation or disintegration of a fracture or crack as a result of sudden temperature changes.

Thermal Gradients
DA February 6, 1975
USE Temperature Gradients

THERMAL GRAVIMETRIC ANALYSIS [01]
DA December 1, 1974
UF *Thermogravimetry*
BT1 Gravimetric Analysis
BT2 Quantitative Chemical Analysis
BT3 Chemical Analysis
BT1 Thermal Analysis
RT Decomposition

Thermal Insulating Glass
DA March 23, 1983
USE Double Glazing

THERMAL INSULATION [01]
DA December 1, 1974
UF *Insulation (Thermal)*
RT Air Conditioning
RT Bead Walls
RT Curtains
RT Earth Berms
RT Fire Resistance
RT Heat Mirrors
RT Heat Transfer
RT Mineral Wool
RT R Factors
RT Shielding
RT Shutters
RT Storm Doors
RT Storm Windows
RT Temperature Control
RT Thermal Conduction
RT Thermal Diffusivity
RT Thermal Shields
RT Urea-Formaldehyde Foams
RT Weatherization
RT Weatherstripping

Thermal Inversion
DA September 4, 1980
USE Temperature Inversions

THERMAL MASS
DA July 5, 1978
UF *Mass (Thermal)*
BT1 Mass
RT Sensible Heat Storage

THERMAL-NELSON MODEL [01]
DA December 1, 1974
BT1 Mathematical Models
RT Thermal Spikes

THERMAL NEUTRONS [01]
DA December 1, 1974
BT1 Neutrons
BT2 Nucleons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
RT Neutron Temperature
RT Thermal Columns
RT Thermal Fission
RT Watt Fission Spectrum
RT Zemach-Glauber Formalism
DEF Neutrons in thermal equilibrium with the medium in which they exist.

Thermal Photography
DA September 19, 1977
USE Infrared Thermography

THERMAL POLLUTION [01]
DA December 1, 1974
UF *Pollution (Thermal)*
UF+ *Thermal Pollution (Air)*
UF+ *Thermal Pollution (Water)*
BT1 Pollution
RT Environmental Effects
RT Plumes
RT Thermal Effluents
RT Waste Heat
DEF Environmental temperature rise due to waste heat disposal.

Thermal Pollution (Air)
DA December 1, 1974
USE Air Pollution
AND Thermal Pollution

Thermal Pollution (Water)
DA December 1, 1974
USE Thermal Pollution
AND Water Pollution

THERMAL POWER PLANTS [01]
DA December 1, 1974
BT1 Power Plants
NT1 Combined-Cycle Power Plants
NT2 MHD Generator ETF
NT1 Fossil-Fuel Power Plants
NT2 Kingston Steam Plant
NT2 Paradise Steam Plant
NT2 San Juan Power Plant
NT2 Shawnee Steam Plant
NT2 Widows Creek Steam Plant
NT1 Geothermal Power Plants
NT1 Nuclear Power Plants
NT2 BOPSSAR Standard Plant
NT2 Ebasco Standard Plant
NT2 Gibbssar Standard Plant
NT2 Offshore Nuclear Power Plants
NT2 Swessar Standard Plant
NT2 Underground Nuclear Stations
NT1 Ocean Thermal Power Plants
NT1 Refuse-Fueled Power Plants
NT1 Solar Thermal Power Plants
NT2 Distributed Collector Power Plants
NT2 Tower Focus Power Plants
NT3 Barstow Solar Pilot Plant
NT3 Eurelios Solar Power Plant
NT1 Wood-Fuel Power Plants
RT CPU-400 Combustion Plant
RT Heat Rate
RT Peaking Power Plants

Thermal Properties
DA December 1, 1974
USE Thermodynamic Properties

THERMAL RADIATION [01]
DA December 1, 1974
BT1 Electromagnetic Radiation
BT2 Radiations
RT Blackbody Radiation
RT Heat Transfer
RT Infrared Radiation
RT Radiant Heat Transfer
RT Rosseland Approximation
RT Thermodynamic Properties

THERMAL REACTORS [01]
DA December 1, 1974
BT1 Reactors
NT1 AEG-PR-10 Reactor
NT1 Aerojet-General Nucleonics Reactors
NT1 AFRRI Reactor
NT1 Agesta Reactor
NT1 Al-L-77 Reactor
NT1 ALRR Reactor
NT1 ANEX Reactor
NT1 ANNA Reactor
NT1 APS Reactor
NT1 Apsara Reactor
NT1 AQUILON Reactor
NT1 ARBI Reactor
NT1 ARBUS Reactor
NT1 Argonaut Reactor
NT1 ARGOS Reactor
NT1 ARMF-1 Reactor
NT1 ASTRA Reactor
NT1 Athene Reactor
NT1 ATPR Reactor
NT1 ATR Reactor
NT1 ATRC Reactor
NT1 ATSR Reactor
NT1 Atucha-2 Reactor
NT1 Atucha Reactor
NT1 Avogadro RS-1 Reactor
NT1 AVR Reactor
NT1 BAWTR Reactor
NT1 Beloyarsk-1 Reactor
NT1 Beloyarsk-2 Reactor
NT1 BEPO Reactor
NT1 BER-2 Reactor
NT1 Berkeley Reactor
NT1 BGRR Reactor
NT1 Bilibin Reactor
NT1 Bohunice A-1 Reactor
NT1 Bohunice A-2 Reactor
NT1 BORAX-1 Reactor
NT1 BORAX-2 Reactor
NT1 BORAX-3 Reactor
NT1 BORAX-4 Reactor
NT1 BORAX-5 Reactor
NT1 BR-02 Reactor
NT1 BR-1 Reactor
NT1 BR-2 Reactor
NT1 Bradwell Reactor
NT1 BRR Reactor
NT1 BSR-1 Reactor
NT1 BSR-2 Reactor
NT1 Budapest Training Reactor
NT1 Bugey-1 Reactor
* NT1 BWR Type Reactors
NT1 BYU L-77 Reactor
NT1 Cabri Reactor
NT1 Calder Hall A-1 Reactor
NT1 Calder Hall A-2 Reactor
NT1 Calder Hall B-3 Reactor
NT1 Calder Hall B-4 Reactor
* NT1 Candu Type Reactors
NT1 Cesar Reactor
NT1 Cesnef Reactor
NT1 Chapelcross-1 Reactor
NT1 Chapelcross-2 Reactor
NT1 Chapelcross-3 Reactor
NT1 Chapelcross-4 Reactor
NT1 Chernobylsk-1 Reactor
NT1 Chernobylsk-2 Reactor
NT1 Chernobylsk-3 Reactor
NT1 Chernobylsk-4 Reactor
NT1 Chinon-1 Reactor
NT1 Chinon-2 Reactor
NT1 Chinon-3 Reactor
NT1 Cirene Reactor
NT1 Cirus Reactor
NT1 Consort-2 Reactor

NT1 CP-2 Reactor
NT1 CP-3 Reactor
NT1 CP-3M Reactor
NT1 CP-5 Reactor
NT1 CVTR Reactor
NT1 Democritus Reactor
NT1 Dhruva Reactor
NT1 Dido Reactor
NT1 Dimple Reactor
NT1 DMTR Reactor
NT1 Dow TRIGA-Mk-1 Reactor
NT1 DR-1 Reactor
NT1 DR-2 Reactor
NT1 DR-3 Reactor
NT1 Dragon Reactor
NT1 Dungeness-A Reactor
NT1 Dungeness-B Reactor
NT1 EBOR Reactor
NT1 EGCR Reactor
NT1 EL-1 Reactor
NT1 EL-2 Reactor
NT1 EL-4 Reactor
NT1 EOCR Reactor
NT1 ESADA-VESR Reactor
NT1 ESSOR Reactor
NT1 ETR Reactor
NT1 ETRC Reactor
NT1 FIR-1 Reactor
NT1 FNR Reactor
NT1 FR-2 Reactor
NT1 FRG-1 Reactor
NT1 Fulton-1 Reactor
NT1 Fulton-2 Reactor
NT1 G-1 Reactor
NT1 G-2 Reactor
NT1 G-3 Reactor
NT1 GA Standard Reactor
NT1 GETR Reactor
NT1 Gleep Reactor
NT1 Hartlepool Reactor
NT1 HBWR Reactor
NT1 Hector Reactor
NT1 Herald Reactor
NT1 HEW-305 Reactor
NT1 Heysham-A Reactor
NT1 Heysham-B Reactor
NT1 HFBR Reactor
NT1 HFETR Reactor
NT1 HFIR Reactor
NT1 HFR Reactor
NT1 HIFAR Reactor
NT1 Hinkley Point-A Reactor
NT1 Hinkley Point-B Reactor
NT1 Hitrex 1 Reactor
NT1 HNPF Reactor
NT1 HOR Reactor
NT1 HTR Reactor
NT1 Humboldt Bay Reactor
NT1 Hunterston-A Reactor
NT1 Hunterston-B Reactor
NT1 HWCTR Reactor
NT1 IAN-R1 Reactor
NT1 IEAR-1 Reactor
NT1 Ignalinsk 1 Reactor
NT1 Ignalinsk-2 Reactor
NT1 IRL Reactor
NT1 IRR-1 Reactor
NT1 IRT Reactor
NT1 IRT-2000 Djakarta Reactor
NT1 IRT-2000 Moscow Reactor
NT1 IRT-C Reactor
NT1 IRT-F Reactor
NT1 IRT Sofia Reactor
NT1 Isis Reactor
NT1 JANUS Reactor
NT1 JATR Reactor
NT1 JEN Reactor
NT1 JEN 1 Reactor
NT1 Juno Reactor
NT1 Kamini Reactor
NT1 KNK Reactor
NT1 KNK-2 Reactor
NT1 KUHFR Reactor
NT1 Kursk 1 Reactor
NT1 Kursk 2 Reactor
NT1 Kursk-3 Reactor
NT1 Kursk-4 Reactor
NT1 Latina Reactor
NT1 Leningrad-1 Reactor
NT1 Leningrad-2 Reactor
NT1 Leningrad-3 Reactor
NT1 Leningrad-4 Reactor
NT1 LFR Reactor
NT1 Lido Reactor
NT1 LITR Reactor
NT1 LPR Reactor
NT1 LPTR Reactor
NT1 Lucens Reactor
NT1 LWBR Type Reactors
NT1 Maria Reactor
NT1 Marius Reactor
NT1 Melusine-1 Reactor
NT1 Merlin Reactor
NT1 Minerve Reactor
NT1 MIR Reactor
NT1 MITR Reactor
NT1 MRR Reactor
NT1 MSRE Reactor
NT1 MTR Reactor
NT1 MZFR Reactor
NT1 NBSR Reactor
NT1 NCSCR-1 Reactor
NT1 Nestor Reactor
NT1 NETR Reactor
NT1 Nevada University Reactor
NT1 Niederaichbach Reactor
NT1 Nora Reactor
NT1 NRX Reactor
NT1 NTR Reactor
NT1 Oldbury-A Reactor
NT1 Oldbury-B Reactor
NT1 Osiris Reactor
NT1 OWR Reactor
NT1 PCTR Reactor
NT1 Peach Bottom-1 Reactor
NT1 Pegase Reactor
NT1 Pelinduna Reactor
NT1 Perryman-1 Reactor
NT1 Perryman-2 Reactor
NT1 Phebus Reactor
NT1 Pluto Reactor
NT1 PNPF Reactor
NT1 PRR Reactor
NT1 PSE Reactor
NT1 PSTR Reactor
NT1 Purnima-3 Reactor
* NT1 PWR Type Reactors
NT1 R-1 Reactor
NT1 R-A Reactor
NT1 RA-5 Reactor
NT1 RB-1 Reactor
NT1 RB-2 Reactor
NT1 RG-1M Reactor
NT1 RITMO Reactor
NT1 RTS-1 Reactor
NT1 Safari-1 Reactor
NT1 Saint Laurent-1 Reactor
NT1 Saint Laurent-2 Reactor
NT1 Saphir Reactor
NT1 Savannah Reactor
NT1 SGHWR Reactor
NT1 SHCA Reactor
NT1 Siloe Reactor
NT1 Siloette Reactor
NT1 Sizewell-A Reactor
NT1 SM-2 Reactor
NT1 Smolensk-1 Reactor
NT1 Smolensk-2 Reactor
NT1 SPERT-1 Reactor
NT1 SPERT-2 Reactor
NT1 SPERT-3 Reactor
NT1 SPERT-4 Reactor
NT1 SPR-2 Reactor
NT1 SR-1 Reactor
NT1 SR-305 Reactor
NT1 SR-3P Reactor
NT1 SRE Reactor
NT1 SRRC-UTR-100 Reactor
NT1 Stark Reactor
NT1 STEK Reactor
NT1 STIR Reactor
NT1 SUPO Reactor
NT1 SUR-100 Series Reactor
NT1 Taiwan Research Reactor
NT1 Thermos Reactor
NT1 Thetis Reactor
NT1 THTR-300 Reactor
NT1 Tokai-Mura Reactor
NT1 Torness Reactor
NT1 Toshiba Reactor
NT1 TR-1 Reactor
NT1 Trawsfynydd Reactor
NT1 TREAT Reactor
NT1 TRICO Reactor
NT1 TRIGA-1-California Reactor
NT1 TRIGA-1-Hanover Reactor
NT1 TRIGA-1-Heidelberg Reactor
NT1 TRIGA-1-Michigan Reactor
NT1 TRIGA-2-Bandung Reactor
NT1 TRIGA-2-Dalat Reactor
NT1 TRIGA-2-Heidelberg Reactor
NT1 TRIGA-2-Illinois Reactor
NT1 TRIGA-2-Kansas Reactor
NT1 TRIGA-2-Ljubljana Reactor
NT1 TRIGA-2-Mainz Reactor
NT1 TRIGA-2-Musashi Reactor
NT1 TRIGA-2-Pavia Reactor
NT1 TRIGA-2 Reactor
NT1 TRIGA-2-Rikkyo Reactor
NT1 TRIGA-2-Rome Reactor
NT1 TRIGA-2-Seoul Reactor
NT1 TRIGA-2-Vienna Reactor
NT1 TRIGA-3-Munich Reactor
NT1 TRIGA-3-Salazar Reactor
NT1 TRIGA-3-Seoul Reactor
NT1 TRIGA-Brazil Reactor
NT1 TRIGA-Texas Reactor
NT1 TRIGA-Veterans Reactor
NT1 Triton Reactor
NT1 TRR-1 Reactor
NT1 TZ1 Reactor
NT1 TZ2 Reactor
NT1 UCBRR Reactor
NT1 UFTR Reactor
NT1 UHTREX Reactor
NT1 UKNR Reactor
NT1 Ulysse Reactor
NT1 UMNE-1 Reactor
NT1 UMRR Reactor
NT1 URR Reactor
NT1 UTR-10-Kinki Reactor
NT1 UTRR Reactor
NT1 UVAR Reactor
NT1 UWNR Reactor
NT1 UWTR Reactor
NT1 Vandellos Reactor
NT1 Venus Reactor
NT1 VG-400 Reactor
NT1 VGR-50 Reactor
NT1 VHTR Reactor
NT1 Vidal-1 Reactor
NT1 Vidal-2 Reactor
NT1 Voronezh AST-500 Reactor
NT1 VPI UTR-10 Reactor
NT1 VR-1 Reactor
NT1 WAGR Reactor
NT1 Windscale Production Reactors
NT1 WPIR Reactor
NT1 WR-1 Reactor
NT1 WRRR Reactor
NT1 WSUR Reactor
NT1 WTR Reactor
NT1 WWR-2 Reactor
NT1 WWR-K-Alma Ata Reactor
NT1 WWR-M-Kiev Reactor
NT1 WWR-M-Leningrad Reactor
NT1 WWR-S-Baghdad Reactor
NT1 WWR-S-Bucharest Reactor
NT1 WWR-S-Budapest Reactor
NT1 WWR-S-Cairo Reactor
NT1 WWR-S-Moscow Reactor
NT1 WWR-S-Prague Reactor
NT1 WWR-S-Tashkent Reactor
NT1 WWR-SM Rossendorf Reactor
NT1 WWR-Z Reactor
NT1 Wylfa Reactor
NT1 X-10 Reactor
NT1 ZED-2 Reactor
NT1 Zenith Reactor
NT1 Zerlina Reactor
NT1 Zimmer-1 Reactor
NT1 ZLFR Reactor
NT1 ZPR Reactor

THERMAL RECOVERY [01]
DA May 18, 1981
BT1 Enhanced Recovery
RT In-Situ Combustion
RT Steam Injection

THERMAL SHIELDS [01]
DA December 1, 1974
BT1 Shields
RT Thermal Insulation

THERMAL SHOCK [01]
DA December 1, 1974
UF *Shock (Thermal)*
RT Thermal Cycling
RT Thermal Stresses

THERMAL SPIKES [01]
DA December 1, 1974
UF *Spikes (Thermal)*
RT Crystal Defects
RT Radiation Effects
RT Thermal-Nelson Model

THERMAL SPRINGS [01]
DA January 23, 1976
SF *Geothermal Springs*
BT1 Water Springs
NT1 Hot Springs
NT2 Geysers
NT3 Old Faithful Geyser
NT1 Warm Springs
RT Geothermal Fields
RT Hydrothermal Systems
RT Mineral Springs
RT Thermal Waters
DEF A spring whose water temperature is appreciably higher than the local mean annual atmospheric temperature. A thermal spring may be a hot spring or a warm spring.

Thermal Storage
DA February 5, 1979
USE Heat Storage

THERMAL STRESSES [01]
DA December 1, 1974
BT1 Stresses
RT Thermal Fractures
RT Thermal Fracturing
RT Thermal Shock
RT Thermoelasticity

Thermal Surveys
DA February 11, 1980
USE Temperature Surveys

THERMAL TESTING [01]
DA December 1, 1974
BT1 Nondestructive Testing
BT2 Materials Testing
BT3 Testing
NT1 Frost Tests
RT Thermography

THERMAL TRANSMISSION ICES
DA October 23, 1978
BT1 ICES Program
BT2 Energy Systems
RT Cogeneration
RT District Heating
DEF High-quality thermal energy generated remotely and transmitted in thermal form to final cogeneration site.

THERMAL UTILIZATION [01]
DA December 1, 1974
RT Multiplication Factors

THERMAL WATERS
DA January 23, 1975
RT Flashing
RT Fumaroles
RT Geothermal Fluids
RT Geysers
RT Hot Springs
RT Hydrothermal Systems
RT Thermal Springs
DEF Water, generally of a spring or geyser, whose temperature is appreciably above the local mean annual air temperature.

THERMALIZATION [01]
DA December 1, 1974
BT1 Slowing-Down
DEF Establishment of thermal equilibrium between neutrons and their surroundings.

THERMIC DIODE SOLAR PANELS
DA July 18, 1979
BT1 Passive Solar Heating Systems
BT2 Solar Heating Systems
BT3 Heating Systems
BT4 Energy Systems
BT3 Solar Equipment
BT4 Equipment
BT1 Passive Solar Water Heaters
BT2 Solar Water Heaters
BT3 Solar Equipment
BT4 Equipment
BT3 Water Heaters
BT4 Appliances
BT5 Equipment
BT4 Heaters
RT Heat Storage
RT Solar Collectors

Thermionic Cells
DA December 1, 1974
USE Thermionic Converters

THERMIONIC COLLECTORS [01]
DA January 7, 1976
RT Anodes
RT Thermionic Converters
RT Thermionic Diodes

THERMIONIC CONVERSION [01]
DA December 1, 1974
BT1 Direct Energy Conversion
BT2 Energy Conversion
BT3 Conversion
RT Thermionic Converters
RT Thermionic Diodes

THERMIONIC CONVERTERS [01]
DA December 1, 1974
UF *Thermionic Cells*
UF *Thermionic Generators*
BT1 Direct Energy Converters
RT Thermionic Collectors
RT Thermionic Conversion
RT Thermionic Diodes
RT Thermionic Emitters
RT Thermionic Fuel Elements
RT Thermionic Reactors
RT Topaz Reactor

THERMIONIC DIODES [01]
DA December 1, 1974
UF *Plasma Diodes*
BT1 Diode Tubes
BT2 Electron Tubes
BT1 Thermionic Tubes
BT2 Electron Tubes
RT Magnetic Insulation
RT Semiconductor Diodes
RT Thermionic Collectors
RT Thermionic Conversion
RT Thermionic Converters
RT Thermionic Emission
RT Thermionic Emitters

THERMIONIC EMISSION [01]
DA December 1, 1974
BT1 Emission
RT Electron Emission
RT Electron Tubes
RT Thermionic Diodes
RT Thermionic Emitters

THERMIONIC EMITTERS [01]
DA January 7, 1976
RT Cathodes
RT Electron Sources
RT Thermionic Converters
RT Thermionic Diodes
RT Thermionic Emission

THERMIONIC FUEL ELEMENTS [01]
DA December 1, 1974
BT1 Fuel Elements
BT2 Reactor Components
RT Thermionic Converters
RT Thermionic Reactors

Thermionic Generators
DA December 1, 1974
USE Thermionic Converters

THERMIONIC REACTOR CRITICAL EXPERIMENTS
DA January 22, 1975
UF *TRCE*
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors
RT Thermionic Reactors

Thermionic Reactor Experiment (TREX)
DA April 29, 1975
USE Thermionic Reactors

THERMIONIC REACTORS [01]
(Limited to reactors with in-core thermionic cells.)
DA December 1, 1974
UF *Thermionic Reactor Experiment (TREX)*
BT1 Power Reactors
BT2 Reactors
NT1 ITR Reactor
RT Mobile Reactors
RT SNAP Reactors
RT Thermionic Converters
RT Thermionic Fuel Elements
RT Thermionic Reactor Critical Experiments

THERMIONIC TUBES [01]
DA December 1, 1974
BT1 Electron Tubes
NT1 Thermionic Diodes
RT Microwave Tubes

THERMIONICS [01]
DA December 1, 1974
RT Richardson Equation
RT Schottky Effect

THERMISTORS [01]
DA December 1, 1974
BT1 Semiconductor Devices
RT Resistors

THERMITE PROCESS [01]
DA December 1, 1974
BT1 Reduction
BT2 Chemical Reactions
RT Welding

THERMOACTINOMYCES [01]
DA March 29, 1979
BT1 Bacteria
BT2 Microorganisms
RT Enzymatic Hydrolysis

THERMOCHEMICAL DIAGRAMS [01]
DA February 23, 1982
BT1 Diagrams
RT Corrosion
RT Phase Studies
RT Temperature Dependence

THERMOCHEMICAL HEAT STORAGE [01]
DA June 30, 1977
BT1 Heat Storage
BT2 Energy Storage
BT3 Storage
RT Chemical Heat Pumps
RT Dissociation Heat
RT Formation Heat
RT Reaction Heat
RT Thermal Energy Storage Equipment
RT Thermochemical Processes
DEF Storage of thermal energy in heat of decomposition and recombination of reversible chemical reactions.

THERMOCHEMICAL PROCESSES
DA January 23, 1975
NT1 Combustion
NT2 Cocombustion
NT2 Fluidized-Bed Combustion
NT2 In-Situ Combustion
NT2 Pulse Combustion
NT2 Reverse Combustion
NT2 Spontaneous Combustion
NT2 Staged Combustion
NT1 Gasification
NT2 Biothermgas Process
NT2 Coal Gasification
NT3 Agglomerating Ash Process

NT3 Arc Coal Process
NT3 Atgas Process
NT3 Babcock and Wilcox-DuPont Process
NT3 Beacon Process
NT3 BGC-Lurgi Slagging Process
NT3 Bi-Gas Process
NT3 CE Entrained Fuel Process
NT3 Coalcon Process
NT3 COGAS Process
NT3 Combined-Cycle FW Process
NT3 Consol Synthetic Gas Process
NT3 CS-R Process
NT3 CSIRO Process
NT3 Dow Gasification Process
NT3 Exxon Gasification Process
NT3 Fischer-Tropsch/Mobil Process
NT3 Flash Hydropyrolysis Process
NT3 FW-Stoic Process
NT3 GEGAS Process
NT3 GKT Process
NT3 HTW Process
NT3 Humboldt Gasification Process
NT3 Hydrane Process
NT3 Hygas Process
NT3 I G Process
NT3 KBW Gasification Process
NT3 Kellogg Process
NT3 Kilngas Process
NT3 Klockner-Iron Bath Coal Gasification Process
NT3 Koppers Process
NT3 Koppers-Totzek Process
NT3 KRW Gasification Process
NT3 Lichtenberg Process
NT3 Liquid Phase Methanation Process
NT3 Lurgi CFB Gasification Process
NT3 Lurgi Process
NT3 Lurgi Slagging Process
NT3 MERC Process
NT3 MIGAS Process
NT3 Molten Iron Puregas Process
NT3 Molten Salt Coal Gasification Process
NT3 Moving-Burden Process
NT3 Occidental Flash Pyrolysis Process
NT3 Otto Rummel Slag Bath Process
NT3 Patgas Process
NT3 Peatgas Process
NT3 PRENFLO Process
NT3 Riley Morgan Process
NT3 Rockgas Process
NT3 Ruhr 100 Gasification Process
NT3 Saarberg-Otto Gasification Process
NT3 Seacoke Process
NT3 Shell-Koppers Gasification Process
NT3 Simplex Process
NT3 Stone and Webster Gasification Process
NT3 Synthane Process
NT3 Texaco Gasification Process
NT3 Tosco-Dyne Process
NT3 Toscoal Process
NT3 Tri-Gas Process
NT3 U-Gas Process
NT3 Wellman-Galusha Process
NT3 Wellman-Incandescent Process
NT3 Westinghouse Gasification Process
NT3 Wilputte Process
NT3 Woodall-Duckham Process
NT2 In-Situ Gasification
NT1 Liquefaction
NT2 Coal Liquefaction
NT3 BCL Process
NT3 Bergius Process
NT3 Catalytic Hydrosolvation Process
NT3 CE Lummus CFFC Process
NT3 CFFC Process
NT3 COED Process
NT3 Coil Process
NT3 Costeam Process
NT3 CSF Process
NT3 Dow Liquefaction Process
NT3 Exxon Liquefaction Process
NT3 Fischer-Tropsch/Mobil Process
NT3 Flash Hydropyrolysis Process
NT3 H-Coal Process
NT3 Liquid Phase Methanol Process
NT3 Occidental Flash Pyrolysis Process
NT3 Pamco Process
NT3 Pott-Broche Process
NT3 Pyrosol Process
NT3 Sasol-II Process
NT3 Sasol Process
NT3 SRC-II Process
NT3 Synthoil Process
NT3 Synthol Process
NT3 TSL Process
NT3 Zinc Halide Process
NT2 In-Situ Liquefaction
NT1 Partial Oxidation Processes
NT1 Pyrolysis
NT2 Calcination
NT2 Cracking
NT3 Catalytic Cracking
NT3 Hydrocracking
NT3 Thermal Cracking
NT2 Flash Hydropyrolysis Process
RT Biothermohol Process
RT Hydrogen Production
RT Thermochemical Heat Storage
RT Water

THERMOCHROMATOGRAPHY [01]
DA April 13, 1977
BT1 Chromatography
BT2 Separation Processes

THERMOCOUPLES [01]
DA December 1, 1974
UF *Thermopiles*
BT1 Measuring Instruments
RT Calorimetric Dosemeters
RT Fission Thermocouple Detectors
RT Reactor Control Systems
RT Temperature Measurement
RT Thermoelectric Generators
RT Thermoelectricity

THERMODYNAMIC ACTIVITY [01]
(Used instead of molar fractions in non-ideal solutions.)
DA November 1, 1976
UF *Chemical Activity*
UF+ *Activity Coefficient*
RT Chemical Reactions
RT Concentration Ratio
RT Equilibrium
RT Phase Studies
RT Thermodynamics

THERMODYNAMIC CYCLES [01]
DA December 1, 1974
UF *Cycles (Thermodynamic)*
NT1 Bottoming Cycles
NT1 Brayton Cycle
NT1 Carnot Cycle
NT1 Combined Cycles
NT1 Lift Cycles
NT2 Foam-Lift Cycles
NT2 Mist-Lift Cycles
NT1 Otto Cycle
NT1 Rankine Cycle
NT1 Stirling Cycle
NT1 Vuilleumier Cycle
RT Binary-Fluid Systems
RT Flashed Steam Systems
RT Heat Engines
RT Thermodynamics
RT Topping Cycles
RT Total Flow Systems

THERMODYNAMIC MODEL [01]
DA December 1, 1974
BT1 Particle Models
BT2 Mathematical Models
BT1 Statistical Models
BT2 Mathematical Models
NT1 Hydrodynamic Model

THERMODYNAMIC MOLECULAR MODEL [01]
DA December 1, 1974
BT1 Molecular Models
BT2 Mathematical Models

THERMODYNAMIC PROPERTIES [01]
DA December 1, 1974
UF *Heat Transfer Properties*
UF *Thermal Properties*
BT1 Physical Properties
NT1 Critical Pressure
NT1 Enthalpy
NT2 Absorption Heat
NT2 Adsorption Heat
NT2 Mixing Heat
NT2 Reaction Heat
NT3 Combustion Heat
NT3 Dissociation Heat
NT3 Formation Heat
NT2 Solution Heat
NT2 Transition Heat
NT3 Fusion Heat
NT3 Sublimation Heat
NT3 Vaporization Heat
NT1 Entropy
NT1 Free Energy
NT2 Formation Free Energy
NT2 Surface Energy
NT1 Free Enthalpy
NT2 Formation Free Enthalpy
NT2 Oxygen Potential
NT1 Specific Heat
NT2 Electronic Specific Heat
NT2 Magnetic Specific Heat
NT2 Nuclear Specific Heat
NT1 Stored Energy
NT1 Thermal Conductivity
NT1 Thermal Diffusivity
NT1 Transition Temperature
NT2 Boiling Points
NT2 Critical Temperature
NT2 Curie Point
NT2 Lambda Point
NT2 Melting Points
NT2 Neel Temperature
NT1 Vapor Pressure
RT Apparent Molal Volume
RT Combustion Properties
RT Joule-Thomson Effect
RT Limiting Values
RT Partial Molal Volume
RT Prandtl Number
RT Thermal Equilibrium
RT Thermal Expansion
RT Thermal Radiation
RT Thermodynamics

THERMODYNAMICS [01]
DA December 1, 1974
RT Adiabatic Processes
RT Brayton Cycle
RT Carnot Cycle
RT Coefficient of Performance
RT Degrees of Freedom
RT Energy
RT Energy Recovery
RT Enthalpy
RT Entropy
RT Equations of State
RT Equilibrium
RT Exergy
RT Heat Sinks
RT Heat Transfer
RT Irreversible Processes
RT Isentropic Processes
RT Isothermal Processes
RT Joule-Thomson Effect
RT Khalatnikov Theory
RT LTE
RT Mollier Diagrams
RT Nernst Heat Theorem
RT Onsager Relations
RT Partition Functions
RT Physical Metallurgy
RT Planck Radiation Formula
RT Rankine Cycle
RT Saha Equation
RT Steam Quality
RT Stirling Cycle
RT Thermal Efficiency
RT Thermodynamic Activity
RT Thermodynamic Cycles
RT Thermodynamic Properties
RT Virial Equation
RT Wigner Distribution

THERMOELASTICITY [01]
DA April 12, 1977
BT1 Elasticity
BT2 Tensile Properties
BT3 Mechanical Properties
RT Stresses
RT Thermal Expansion
RT Thermal Stresses
DEF Dependence of the stress distribution of an elastic solid on its thermal state, or of its thermal conductivity on the stress distribution.

Thermoelectric Cells
DA December 1, 1974
USE Thermoelectric Generators

THERMOELECTRIC CONVERSION [01]
DA December 1, 1974
BT1 Direct Energy Conversion
BT2 Energy Conversion
BT3 Conversion
RT Thermal Batteries
RT Thermoelectric Generators
RT Thermoelectric Heaters
RT Thermoelectric Refrigerators

Thermoelectric Converters
DA December 1, 1974
USE Thermoelectric Generators

THERMOELECTRIC COOLERS
DA November 17, 1976
RT Thermoelectric Refrigerators

THERMOELECTRIC GENERATORS [01]
DA December 1, 1974
UF *Thermoelectric Cells*
UF *Thermoelectric Converters*
BT1 Direct Energy Converters
RT Radioisotope Batteries
RT Radioisotope Heat Sources
RT Thermocouples
RT Thermoelectric Conversion
RT Thermoelectric Materials
RT Thermoelectricity

Thermoelectric Heat Pumps
DA November 17, 1976
SEE Thermoelectric Heaters
OR Thermoelectric Refrigerators

THERMOELECTRIC HEATERS
DA November 17, 1976
SF *Thermoelectric Heat Pumps*
BT1 Direct Energy Converters
BT1 Heaters
RT Thermoelectric Conversion

THERMOELECTRIC MATERIALS [01]
DA January 22, 1975
BT1 Materials
RT Semiconductor Materials
RT Thermoelectric Generators
RT Thermoelectric Properties
RT Thermoelectricity

THERMOELECTRIC PROPERTIES [01]
DA December 1, 1974
BT1 Electrical Properties
BT2 Physical Properties
RT Thermoelectric Materials

THERMOELECTRIC REACTORS
DA June 12, 1986
BT1 Reactors

THERMOELECTRIC REFRIGERATORS [01]
DA November 17, 1976
SF *Thermoelectric Heat Pumps*
BT1 Direct Energy Converters
BT1 Refrigerators
RT Thermoelectric Conversion
RT Thermoelectric Coolers

THERMOELECTRICITY [01]
DA December 1, 1974
BT1 Electricity
RT Seebeck Effect
RT Thermocouples
RT Thermoelectric Generators
RT Thermoelectric Materials

THERMOGRAPHY [01]
DA September 11, 1978
BT1 Measuring Methods
NT1 Infrared Thermography
RT Infrared Radiation
RT Remote Sensing
RT Temperature Measurement
RT Thermal Testing
DEF Technique employing heat transfer transients.

Thermogravimetry
DA December 1, 1974
USE Thermal Gravimetric Analysis

THERMOLUMINESCENCE [01]
DA December 1, 1974
BT1 Luminescence
NT1 Radiothermoluminescence
RT Thermoluminescent Dosemeters

THERMOLUMINESCENT DOSEMETERS [01]
DA December 1, 1974
UF *TLD (Dosemeters)*
UF *TLD Systems*
BT1 Luminescent Dosemeters
BT2 Dosemeters
BT3 Measuring Instruments
RT Calcium Fluorides
RT Calcium Sulfates
RT Lithium Fluorides
RT Personnel Dosimetry
RT Thermoluminescence
RT Thermoluminescent Dosimetry

THERMOLUMINESCENT DOSIMETRY [01]
DA December 1, 1974
UF *TLD (Dosimetry)*
BT1 Dosimetry
RT Thermoluminescent Dosemeters

THERMOMAGNETIC CONVERSION [01]
DA December 1, 1974
BT1 Direct Energy Conversion
BT2 Energy Conversion
BT3 Conversion

THERMOMAGNETISM [01]
DA December 1, 1974
BT1 Magnetism

THERMOMECHANICAL TREATMENTS [01]
DA November 8, 1982
BT1 Heat Treatments
BT1 Materials Working
BT2 Fabrication
DEF Combination of material-forming processes with heat treatments in order to obtain specific material properties.

THERMOMETERS [01]
DA December 1, 1974
BT1 Measuring Instruments
NT1 Geothermometers
NT1 Noise Thermometers
RT Bolometers
RT Temperature Measurement

THERMOMETRIC TITRATION
DA April 8, 1975
BT1 Titration

THERMONUCLEAR DEVICES [01]
DA December 1, 1974
* NT1 Closed Plasma Devices
NT1 ICF Devices
NT2 Angara-5 Device
NT1 Migma Devices
* NT1 Open Plasma Devices
* NT1 Pinch Devices
NT1 Vintotron Devices
RT Beam Injection
RT Breeding Blankets
RT Confinement Time
RT Lawson Criterion
RT Limiters
RT Magnetic Field Configurations
RT Mass Balance
RT Plasma Heating
RT Plasma Production
RT Rotational Transform
RT Thermonuclear Reactors
RT Tritium Recovery

THERMONUCLEAR EXPLOSIONS [01]
DA December 1, 1974
BT1 Nuclear Explosions
BT2 Explosions
RT Bravo Event
RT Mike Event
RT Thermonuclear Reactions

THERMONUCLEAR FUELS [01]
DA June 12, 1975
UF *Fusion Fuels*
BT1 Fuels
RT Deuterium
RT Electron Beam Targets
RT Fusion Yield
RT Gas Injection
RT Ion Beam Targets
RT Laser Targets
RT Pellet Injection
RT Recycling
RT Thermonuclear Reactor Fueling
RT Tritium
RT Tritium Systems Test Assembly

THERMONUCLEAR IGNITION [01]
DA December 1, 1974
UF *Ignition (Thermonuclear)*
RT Compact Ignition Tokamak
RT Reactor Start-Up
RT Thermonuclear Reactors
RT TIBER-X Tokamak

THERMONUCLEAR POWER PLANTS [01]
DA August 8, 1978
BT1 Power Plants
RT Thermonuclear Reactors

THERMONUCLEAR REACTIONS [01]
(For use only with the phenomenon, not with THERMONUCLEAR REACTORS.)
DA December 1, 1974
UF *Fusion (Nuclear)*
BT1 Nuclear Reactions
BT1 Nucleosynthesis
BT2 Synthesis
NT1 Impact Fusion
NT1 Muon-Catalyzed Fusion
RT Chain Reactions
RT Cold Fusion
RT Fusion Yield
RT Heavy Ion Fusion Reactions
RT Helium Ash
RT Matterhorn Project
RT Sherwood Project
RT Thermonuclear Explosions

THERMONUCLEAR REACTOR COOLING SYSTEMS [01]
DA January 23, 1975
BT1 Cooling Systems
BT2 Energy Systems
RT Thermonuclear Reactors

THERMONUCLEAR REACTOR FUELING [01]
DA February 13, 1989
RT Fuel Feeding Systems
RT Gas Injection
RT Pellet Injection
RT Thermonuclear Fuels
RT Thermonuclear Reactors
RT Tritium Systems Test Assembly

THERMONUCLEAR REACTOR MATERIALS [01]
DA January 24, 1975

BT1 Materials
RT FMIT Linac
RT Thermonuclear Reactors

THERMONUCLEAR REACTOR WALLS [01]
DA December 1, 1974
NT1 First Wall
RT Flibe
RT Thermonuclear Reactors

THERMONUCLEAR REACTORS [01]
(For use in cases where certain aspects of either hypothetical or real thermonuclear reactors are discussed.)
DA December 1, 1974
UF *Fusion Energy*
UF *Fusion Reactors*
NT1 D-D Reactors
NT1 D-T Reactors
NT2 Pulsed D-T Reactors
NT2 Steady-State D-T Reactors
NT1 Electron Beam Fusion Reactors
NT1 Ion Beam Fusion Reactors
NT1 Laser Fusion Reactors
NT2 Cascade Reactors
NT2 HYLIFE Converter
NT1 Linear Pinch Type Reactors
NT1 LINUS Reactors
NT1 Magnetic Mirror Type Reactors
NT2 Field-Reversed Mirror Reactors
NT2 MARS Reactor
NT2 MINIMARS Reactor
NT2 TMR Reactors
NT1 Pulsed Fusion Reactors
NT2 Pulsed D-T Reactors
NT1 Reference Theta Pinch Reactor
NT1 Steady-State Fusion Reactors
NT2 Steady-State D-T Reactors
NT1 Stellarator Type Reactors
* NT1 Tokamak Type Reactors
RT Breakeven
RT Breeding Pellets
RT Confinement Time
RT Divertors
RT Energy Balance
RT FELIX Facility
RT Fuel Injection Systems
RT Fusion Yield
RT Hybrid Reactors
RT Hybrid Systems
RT Mass Balance
RT Power
RT Thermonuclear Devices
RT Thermonuclear Ignition
RT Thermonuclear Power Plants
RT Thermonuclear Reactor Cooling Systems
RT Thermonuclear Reactor Fueling
RT Thermonuclear Reactor Materials
RT Thermonuclear Reactor Walls
RT Tritium Recovery

Thermonuclear Weapons
DA December 1, 1974
USE Nuclear Weapons

THERMOPHILIC CONDITIONS [01]
DA May 9, 1977
RT Anaerobic Digestion
RT Fermentation
RT Mesophilic Conditions
DEF Temperature range centered at 70°C favoring the growth of certain bacteria.

THERMOPHORESIS [01]
DA May 6, 1980
RT Electrophoresis
DEF A process in which particles migrate in a gas under the influence of forces created by a temperature gradient.

THERMOPHOTOVOLTAIC CONVERSION
DA January 22, 1975
BT1 Direct Energy Conversion
BT2 Energy Conversion
BT3 Conversion
RT Photovoltaic Conversion
RT Thermophotovoltaic Converters

THERMOPHOTOVOLTAIC CONVERTERS
DA January 22, 1975
BT1 Direct Energy Converters
RT Photovoltaic Cells
RT Thermophotovoltaic Conversion

Thermopiles
DA May 9, 1979
USE Thermocouples

THERMOPLASTICS [01]
DA December 1, 1974
BT1 Organic Polymers
BT2 Organic Compounds
BT2 Polymers
BT1 Plastics
BT2 Petrochemicals
BT3 Petroleum Products
BT2 Synthetic Materials
BT3 Materials

THERMOREGULATION
DA July 23, 1977
BT1 Temperature Control
BT2 Control
RT Body Temperature
RT Metabolism
RT Physiology
DEF A mechanism by which mammals and birds balance heat gain and loss in order to maintain a constant body temperature.

THERMOS REACTOR [01]
DA March 28, 1979
BT1 Process Heat Reactors
BT2 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

THERMOSPHERE [01]
DA December 1, 1974
BT1 Earth Atmosphere

THERMOSTATS [01]
DA December 1, 1974
BT1 Control Equipment
BT2 Equipment
NT1 Cryostats
RT Temperature Control

THERMOSYPHON EFFECT [01]
DA July 23, 1977
BT1 Convection
BT2 Heat Transfer
BT3 Energy Transfer
BT2 Mass Transfer
RT Circulating Systems
RT Passive Solar Water Heaters
RT Self-Pumping Systems
RT Thermosyphons
DEF The flow of fluid due to the density differential that is created by temperature gradients.

THERMOSYPHONS [01]
DA April 11, 1979
RT Heat Transfer
RT Thermosyphon Effect
DEF A closed system which permits natural circulation and cooling of liquids by utilizing the difference in density of the hot and cold portions.

THERMOX PROCESS [01]
DA December 1, 1974
BT1 Reprocessing
BT2 Separation Processes
RT Solvent Extraction

Thesauri
DA November 28, 1977
USE Standardized Terminology

Theta-1640 Resonances
(Prior to February 1988 this was a valid descriptor.)
DA December 26, 1984
USE F2-1720 Mesons

THETA PINCH [01]
DA December 1, 1974
BT1 Pinch Effect
RT Linear Theta Pinch Devices
RT Toroidal Theta Pinch Devices

THETIS REACTOR [01]
(University Gent, Institute for Nuclear Sciences, Pietersnieuwstraat, Belgium.)
DA December 1, 1974
UF *IISNR Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors

THF
DA November 23, 1979
USE Tetrahydrofuran

THIADIAZOLES [01]
DA December 1, 1974
BT1 Azoles
BT2 Heterocyclic Compounds
BT3 Organic Compounds
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
BT1 Organic Sulfur Compounds
BT2 Organic Compounds
DEF Compounds that contain a five-membered heterocyclic ring containing one sulfur and two nitrogen atoms.

THIAMINE [01]
DA December 1, 1974
UF *Vitamin B-1*
BT1 Amines
BT2 Organic Compounds
BT1 Hydroxy Compounds
BT2 Organic Compounds
BT1 Pyrimidines
BT2 Azines
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
BT1 Thiazoles
BT2 Azoles
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
BT2 Organic Sulfur Compounds
BT3 Organic Compounds
BT1 Vitamin B Group
BT2 Vitamins

THIAZOLES [01]
DA December 1, 1974
BT1 Azoles
BT2 Heterocyclic Compounds
BT3 Organic Compounds
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
BT1 Organic Sulfur Compounds
BT2 Organic Compounds
NT1 Benzothiazoles
NT1 Saccharin

NT1 Thiamine
DEF Compounds that contain a five-membered heterocyclic ring containing one sulfur and one nitrogen atom.

THICKNESS [01]
(Index only if essential.)
DA December 1, 1974
BT1 Dimensions
NT1 Half-Thickness
RT Distance
RT Radiation Length
RT Shielding
RT Size

THICKNESS GAGES [01]
DA December 1, 1974
BT1 Measuring Instruments
RT Radiometric Gages

THIELAVIA [01]
DA January 9, 1981
BT1 Eumycota
BT2 Fungi
BT3 Plants
RT Cellulase
RT Enzymatic Hydrolysis
DEF Thermophilic fungus capable of degrading cellulose to glucose.

THIN FILM STORAGE DEVICES [01]
DA December 1, 1974
BT1 Memory Devices

THIN FILMS [01]
DA November 8, 1982
BT1 Films
RT Coatings

THIN-LAYER CHROMATOGRAPHY [01]
DA December 1, 1974
BT1 Chromatography
BT2 Separation Processes

Thio Compounds
DA December 1, 1974
USE Organic Sulfur Compounds

Thioalcohols
DA December 1, 1974
USE Thiols

THIOBACILLUS FERROXIDANS [01]
DA December 1, 1974
BT1 Bacillus
BT2 Bacteria
BT3 Microorganisms
BT1 Sulfur-Oxidizing Bacteria
BT2 Bacteria
BT3 Microorganisms
RT Leaching
RT Oxidation
RT Uranium Ores

THIOBACILLUS OXIDANS [01]
DA December 1, 1974
BT1 Bacillus
BT2 Bacteria
BT3 Microorganisms
BT1 Sulfur-Oxidizing Bacteria
BT2 Bacteria
BT3 Microorganisms
RT Leaching
RT Ore Processing
RT Oxidation

Thiocarbamides
DA December 1, 1974
USE Thioureas

THIOCTIC ACID [01]
DA December 1, 1974
UF *Lipoic Acid (Alpha)*
BT1 Disulfides
BT2 Organic Sulfur Compounds
BT3 Organic Compounds
BT1 Heterocyclic Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT2 Heterocyclic Compounds
BT3 Organic Compounds

THIOCYANATES [01]
DA December 1, 1974
UF *Rhodanates*
UF *Rhodanides*
UF *Sulfocyanides*
UF *Thiocyanides*
BT1 Antithyroid Drugs
BT2 Hormone Antagonists
BT3 Drugs
BT1 Carbonic Acid Derivatives
BT2 Organic Compounds
BT1 Organic Sulfur Compounds
BT2 Organic Compounds
NT1 Ammonium Thiocyanates
RT Isothiocyanates
RT Thiocyanic Acid

THIOCYANIC ACID [01]
DA December 1, 1974
RT Thiocyanates

Thiocyanides
DA December 1, 1974
USE Thiocyanates

Thioethers
DA December 1, 1974
USE Sulfides

Thioglycolicaminonaphthalide
DA December 1, 1974
USE Thionalide

THIOIC ACIDS [01]
DA December 1, 1974
BT1 Organic Acids
BT2 Organic Compounds
BT1 Organic Sulfur Compounds
BT2 Organic Compounds
RT Cystaphos

THIOLS [01]
DA December 1, 1974
UF *Mercaptans*
UF *Sulfhydryl Compounds*
UF *Thioalcohols*
BT1 Organic Sulfur Compounds
BT2 Organic Compounds
NT1 Cysteine
NT1 Dithiols
NT2 BAL
NT2 Unithiol
NT1 Malathion
NT1 MEA
NT1 MEG
NT1 Mercaptopurine
NT1 MPG
NT1 Penicillamine
NT1 Thionalide
NT1 Thiouracil

THIONALIDE [01]
DA December 1, 1974
UF *Thioglycolicaminonaphthalide*
BT1 Amides
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
BT1 Reagents
BT1 Thiols
BT2 Organic Sulfur Compounds
BT3 Organic Compounds
RT Glycolic Acid

THIONAPHTHENES [01]
DA December 1, 1974
UF *Benzothiophenes*
BT1 Heterocyclic Compounds
BT2 Organic Compounds
BT1 Organic Sulfur Compounds
BT2 Organic Compounds
RT Polycyclic Sulfur Heterocycles

THIONATES
DA November 17, 1976
BT1 Organic Sulfur Compounds
BT2 Organic Compounds

THIONINE [01]
DA December 1, 1974
BT1 Amines
BT2 Organic Compounds
BT1 Heterocyclic Compounds
BT2 Organic Compounds
BT1 Organic Nitrogen Compounds
BT2 Organic Compounds
BT1 Organic Sulfur Compounds
BT2 Organic Compounds
RT Phenothiazines

THIONYL CHLORIDES
DA June 4, 1985
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Organic Sulfur Compounds
BT2 Organic Compounds

THIOPENTAL [01]
DA December 1, 1974
UF *Pentothal*
BT1 Barbiturates
BT2 Anesthetics
BT3 Central Nervous System Depressants
BT4 Drugs
BT2 Hypnotics and Sedatives
BT3 Central Nervous System Depressants
BT4 Drugs
BT2 Organic Oxygen Compounds
BT3 Organic Compounds
BT2 Pyrimidines
BT3 Azines
BT4 Heterocyclic Compounds
BT5 Organic Compounds
BT4 Organic Nitrogen Compounds
BT5 Organic Compounds
BT1 Organic Sulfur Compounds
BT2 Organic Compounds

THIOPHENE [01]
DA December 1, 1974
BT1 Heterocyclic Compounds
BT2 Organic Compounds
BT1 Organic Sulfur Compounds
BT2 Organic Compounds
RT Polycyclic Sulfur Heterocycles
RT TTA

Thiophenes
DA November 23, 1983
USE Polycyclic Sulfur Heterocycles

THIOPHENOLS [01]
DA December 1, 1974
BT1 Organic Sulfur Compounds
BT2 Organic Compounds

THIOPHOSGENE
DA June 13, 1981
BT1 Organic Chlorine Compounds
BT2 Organic Halogen Compounds
BT3 Organic Compounds
BT1 Organic Sulfur Compounds
BT2 Organic Compounds
RT Phosgene

THIOPHOSPHORIC ACID ESTERS [01]
DA December 1, 1974
BT1 Esters
BT2 Organic Compounds
NT1 Gammaphos
NT1 Parathion
RT Organic Phosphorus Compounds
RT Organic Sulfur Compounds

THIOSORBIC PROCESS
DA August 24, 1977
BT1 Desulfurization
BT2 Chemical Reactions
RT Scrubbers
RT Waste Processing
DEF SO_2 converts magnesium sulfite to bisulfite in the scrubber, which is regenerated to soluble magnesium sulfite and precipitated calcium sulfite.

THIOSULFATES [01]
DA December 1, 1974
RT Sulfates

THIOURACIL [01]
DA December 1, 1974
BT1 Antimetabolites
BT2 Drugs
BT1 Antithyroid Drugs
BT2 Hormone Antagonists
BT3 Drugs
BT1 Thiols
BT2 Organic Sulfur Compounds
BT3 Organic Compounds
BT1 Uracils
BT2 Hydroxy Compounds
BT3 Organic Compounds
BT2 Pyrimidines
BT3 Azines
BT4 Heterocyclic Compounds
BT5 Organic Compounds
BT4 Organic Nitrogen Compounds
BT5 Organic Compounds

THIOUREA [01]
DA December 1, 1974
BT1 Antithyroid Drugs
BT2 Hormone Antagonists
BT3 Drugs
BT1 Thioureas
BT2 Carbonic Acid Derivatives
BT3 Organic Compounds
BT2 Organic Sulfur Compounds
BT3 Organic Compounds

THIOUREAS [01]
DA December 1, 1974
UF *Thiocarbamides*
BT1 Carbonic Acid Derivatives
BT2 Organic Compounds
BT1 Organic Sulfur Compounds
BT2 Organic Compounds
NT1 AET
NT1 Thiourea
RT Amides

Third-Harmonic Generation
DA January 14, 1986
USE Harmonic Generation

THIRD SOUND [01]
DA December 1, 1974
RT Sound Waves
RT Superfluidity

THIRRING MODEL [01]
DA December 1, 1974
RT Quantum Field Theory

THIXOTROPY [01]
DA July 7, 1976
RT Gels
RT Plasticity
RT Rheology
RT Stability
RT Viscosity
DEF Property of certain gels which liquefy when subjected to vibratory forces.

THIYL RADICALS [01]
(For RS- radicals where R is organic component.)
DA December 1, 1974
BT1 Radicals

Thomas-Fermi-Dirac Model
DA December 1, 1974
USE Thomas-Fermi Model

THOMAS-FERMI MODEL [01]
DA December 1, 1974
UF *Fermi-Thomas Model*
UF *Thomas-Fermi-Dirac Model*
BT1 Atomic Models
BT2 Mathematical Models

Thomason Collectors
DA September 11, 1978
USE Trickle-Type Collectors

THOMSON SCATTERING [01]
DA December 1, 1974
BT1 Inelastic Scattering
BT2 Scattering

THOR REACTOR [01]
(Hsin-Chu, Taiwan.)
DA December 1, 1974
UF *TOPR Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Intermediate Reactors
BT2 Epithermal Reactors
BT3 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors

Thoracic Duct
DA December 1, 1974
USE Lymph Vessels

Thorax
DA December 1, 1974
USE Chest

THOREX PROCESS [01]
DA December 1, 1974
BT1 Reprocessing
BT2 Separation Processes
RT Solvent Extraction

THORIANITE [01]
DA December 1, 1974
BT1 Oxide Minerals
BT2 Minerals
BT1 Rare Earth Compounds
BT1 Thorium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
RT Black Sands
RT Thorium Oxides
RT Uranium Oxides

THORIN [01]
DA December 1, 1974
BT1 Arsenic Compounds
BT1 Diazo Compounds
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
BT1 Naphthols
BT2 Phenols
BT3 Aromatics
BT4 Organic Compounds
BT3 Hydroxy Compounds
BT4 Organic Compounds
BT1 Reagents
BT1 Sulfonic Acids
BT2 Organic Acids
BT3 Organic Compounds
BT2 Organic Sulfur Compounds
BT3 Organic Compounds

THORITE [01]
DA December 1, 1974
BT1 Silicate Minerals
BT2 Minerals
BT1 Thorium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
NT1 Jiningite
RT Black Sands
RT Thorium Silicates

THORIUM [01]
DA December 1, 1974
BT1 Actinides
BT2 Metals
BT3 Elements
NT1 Thorium-Alpha
NT1 Thorium-Beta
RT Natural Radioactivity

THORIUM 212 [01]
DA October 23, 1979
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Thorium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

THORIUM 213 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Thorium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

THORIUM 214 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Thorium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

THORIUM 215 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Thorium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

THORIUM 216 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Thorium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

THORIUM 217 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Microsec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Thorium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

THORIUM 218 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Nanosec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Thorium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

THORIUM 219 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Microsec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Thorium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

THORIUM 220 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Microsec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Thorium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

THORIUM 221 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Thorium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

THORIUM 222 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Thorium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

THORIUM 223 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Thorium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

THORIUM 224 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Thorium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

THORIUM 225 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Thorium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

THORIUM 226 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Thorium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

THORIUM 227 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Thorium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

THORIUM 228 [01]
DA December 1, 1974
UF *Radiothorium*
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Thorium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

THORIUM 228 TARGET [01]
DA September 21, 1984
BT1 Targets

THORIUM 229 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Thorium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

THORIUM 229 TARGET [01]
DA July 9, 1976
BT1 Targets

THORIUM 230 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Neon 24 Decay Radioisotopes
BT2 Heavy Ion Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Thorium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

THORIUM 230 TARGET [01]
DA July 9, 1976
BT1 Targets

THORIUM 231 [01]
DA December 1, 1974
UF *Uranium X 2*
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes

BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Thorium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

THORIUM 231 TARGET [01]
DA March 8, 1978
BT1 Targets

THORIUM 232 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Thorium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
RT Thorium Cycle

THORIUM 232 REACTIONS [01]
DA October 26, 1987
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

THORIUM 232 TARGET [01]
DA July 9, 1976
BT1 Targets

THORIUM 233 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Thorium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

THORIUM 233 TARGET [01]
DA March 8, 1978
BT1 Targets

THORIUM 234 [01]
DA December 1, 1974
UF *Uranium X 1*
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Thorium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

THORIUM 234 TARGET [01]
DA September 21, 1984
BT1 Targets

THORIUM 235 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Thorium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

THORIUM 236 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Thorium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

THORIUM 238 [01]
DA January 9, 1981
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Thorium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

THORIUM 238 TARGET [01]
DA June 22, 1980
BT1 Targets

THORIUM 239 TARGET [01]
DA July 9, 1976
BT1 Targets

Thorium A
DA December 1, 1974
USE Polonium 216

THORIUM ADDITIONS [01]
DA December 1, 1974
BT1 Thorium Alloys
BT2 Actinide Alloys
BT3 Alloys

THORIUM ALLOYS [01]
DA December 1, 1974
BT1 Actinide Alloys
BT2 Alloys
NT1 Magnesium Alloy-HK31A
NT1 Thorium Additions
NT1 Thorium Base Alloys

THORIUM-ALPHA [01]
DA December 1, 1974
BT1 Thorium
BT2 Actinides
BT3 Metals
BT4 Elements

THORIUM ARSENIDES [01]
DA August 4, 1976
BT1 Arsenides
BT2 Arsenic Compounds
BT2 Pnictides
BT1 Thorium Compounds
BT2 Actinide Compounds

Thorium B
DA December 1, 1974
USE Lead 212

THORIUM BASE ALLOYS [01]
DA December 1, 1974
BT1 Thorium Alloys
BT2 Actinide Alloys
BT3 Alloys

THORIUM-BETA [01]
DA December 1, 1974
BT1 Thorium
BT2 Actinides
BT3 Metals
BT4 Elements

THORIUM BORIDES [01]
DA December 1, 1974
BT1 Borides
BT2 Boron Compounds
BT1 Thorium Compounds
BT2 Actinide Compounds

THORIUM BROMIDES [01]
DA December 1, 1974
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Thorium Compounds
BT2 Actinide Compounds

Thorium C
DA December 1, 1974
USE Bismuth 212

Thorium C/
DA December 1, 1974
USE Polonium 212

Thorium C/
DA December 1, 1974
USE Thallium 208

THORIUM CARBIDES [01]
DA December 1, 1974
BT1 Carbides
BT2 Carbon Compounds
BT1 Thorium Compounds
BT2 Actinide Compounds

THORIUM CARBONATES [01]
DA December 1, 1974
BT1 Carbonates
BT2 Carbon Compounds
BT2 Oxygen Compounds
BT1 Thorium Compounds
BT2 Actinide Compounds

THORIUM CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Thorium Compounds
BT2 Actinide Compounds

THORIUM COMPLEXES [01]
DA December 1, 1974
BT1 Actinide Complexes
BT2 Complexes

THORIUM COMPOUNDS [01]
DA December 1, 1974
BT1 Actinide Compounds
NT1 Thorium Arsenides
NT1 Thorium Borides
NT1 Thorium Bromides
NT1 Thorium Carbides
NT1 Thorium Carbonates
NT1 Thorium Chlorides
NT1 Thorium Fluorides
NT1 Thorium Hydrides
NT1 Thorium Hydroxides
NT1 Thorium Iodides

NT1 Thorium Nitrates
NT1 Thorium Nitrides
NT1 Thorium Oxides
NT2 Lodochnikite
NT2 Lyndochite
NT2 Naegite
NT2 Thorotrast
NT1 Thorium Perchlorates
NT1 Thorium Phosphates
NT1 Thorium Phosphides
NT1 Thorium Selenides
* NT1 Thorium Silicates
NT1 Thorium Silicides
NT1 Thorium Sulfates
NT1 Thorium Sulfides
NT1 Thorium Tellurides
NT1 Thorium Tungstates
NT1 Thucholite

THORIUM CYCLE [01]
DA September 19, 1977
BT1 Fuel Cycle
RT Nuclear Fuels
RT Thorium 232
DEF Use of thorium as the fertile material in reactor fuels.

Thorium D
DA December 1, 1974
USE Lead 208

THORIUM DEPOSITS [01]
DA November 18, 1986
BT1 Geologic Deposits
RT Thorium Ores

THORIUM FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Thorium Compounds
BT2 Actinide Compounds

Thorium-Hochtemperatur Prototype Reactor
DA December 1, 1974
USE THTR-300 Reactor

THORIUM HYDRIDES [01]
DA December 1, 1974
BT1 Hydrides
BT2 Hydrogen Compounds
BT1 Thorium Compounds
BT2 Actinide Compounds

THORIUM HYDROXIDES [01]
DA December 1, 1974
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds
BT1 Thorium Compounds
BT2 Actinide Compounds

THORIUM IODIDES [01]
DA December 1, 1974
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds
BT1 Thorium Compounds
BT2 Actinide Compounds

THORIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

THORIUM ISOTOPES [01]
DA December 1, 1974
BT1 Actinide Isotopes
BT2 Isotopes
NT1 Thorium 212
NT1 Thorium 213
NT1 Thorium 214
NT1 Thorium 215
NT1 Thorium 216
NT1 Thorium 217
NT1 Thorium 218
NT1 Thorium 219
NT1 Thorium 220
NT1 Thorium 221
NT1 Thorium 222
NT1 Thorium 223
NT1 Thorium 224
NT1 Thorium 225
NT1 Thorium 226
NT1 Thorium 227
NT1 Thorium 228
NT1 Thorium 229
NT1 Thorium 230
NT1 Thorium 231
NT1 Thorium 232
NT1 Thorium 233
NT1 Thorium 234
NT1 Thorium 235
NT1 Thorium 236
NT1 Thorium 238

THORIUM MINERALS [01]
DA December 1, 1974
BT1 Radioactive Minerals
BT2 Minerals
BT2 Radioactive Materials
BT3 Materials
NT1 Aeschynite
NT1 Allanite
NT2 Orthite
NT1 Bastnaesite
NT1 Brannerite
NT1 Cerianite
NT1 Ekanite
NT1 Freyalite
NT1 Huttonite
NT1 Hydrothorite
NT1 Lodochnikite
NT1 Lyndochite
NT1 Mackintoshite
NT1 Maitlandite
NT1 Monazites
NT1 Naegite
NT1 Steenstrupine
NT1 Thorianite
NT1 Thorite
NT2 Jiningite
NT1 Thorogummite
NT1 Thucholite
NT1 Uranothorianite
NT1 Uranothorite
NT1 Yttrialite
RT Thorium Oxides
RT Thorium Phosphates
RT Thorium Silicates

THORIUM NITRATES [01]
DA December 1, 1974
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds
BT1 Thorium Compounds
BT2 Actinide Compounds

THORIUM NITRIDES [01]
DA December 1, 1974
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides
BT1 Thorium Compounds
BT2 Actinide Compounds

THORIUM ORES [01]
DA December 1, 1974
BT1 Ores
RT Thorium Deposits
RT Thorium Reserves

THORIUM OXIDES [01]
DA December 1, 1974
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds
BT1 Thorium Compounds
BT2 Actinide Compounds
NT1 Lodochnikite
NT1 Lyndochite
NT1 Naegite
NT1 Thorotrast
RT Aeschynite
RT Bastnaesite
RT Brannerite
RT Cerianite
RT Oxide Minerals
RT TD-Nickel
RT TD-Nickel Chromium
RT Thorianite
RT Thorium Minerals
RT Uranothorianite

THORIUM PERCHLORATES [01]
DA January 22, 1975
BT1 Perchlorates
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Oxygen Compounds
BT1 Thorium Compounds
BT2 Actinide Compounds

THORIUM PHOSPHATES [01]
DA December 1, 1974
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds
BT1 Thorium Compounds
BT2 Actinide Compounds
RT Monazites
RT Thorium Minerals

THORIUM PHOSPHIDES [01]
DA January 30, 1975
BT1 Phosphides
BT2 Phosphorus Compounds
BT2 Pnictides
BT1 Thorium Compounds
BT2 Actinide Compounds

THORIUM REACTORS [01]
DA December 1, 1974
BT1 Reactors
NT1 AVR Reactor
NT1 BORAX-4 Reactor
NT1 Dragon Reactor
NT1 ERR Reactor
NT1 SRE Reactor
NT1 THTR-300 Reactor
RT Zenith Reactor

THORIUM RESERVES [01]
DA April 19, 1976
BT1 Reserves
BT2 Resources
RT Thorium Ores

THORIUM SELENIDES [01]
DA January 30, 1975
BT1 Selenides
BT2 Chalcogenides
BT2 Selenium Compounds
BT1 Thorium Compounds
BT2 Actinide Compounds

THORIUM SILICATES [01]
DA December 1, 1974
BT1 Silicates
BT2 Oxygen Compounds
BT2 Silicon Compounds
BT1 Thorium Compounds
BT2 Actinide Compounds
NT1 Ekanite
NT1 Freyalite
NT1 Hydrothorite
NT1 Mackintoshite
NT1 Maitlandite
RT Allanite
RT Huttonite
RT Silicate Minerals
RT Thorite
RT Thorium Minerals
RT Thorogummite
RT Uranothorite
RT Yttrialite

THORIUM SILICIDES [01]
DA March 11, 1976
BT1 Silicides
BT2 Silicon Compounds
BT1 Thorium Compounds
BT2 Actinide Compounds

THORIUM SULFATES [01]
DA December 1, 1974
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds

BT1 Thorium Compounds
BT2 Actinide Compounds

THORIUM SULFIDES [01]
DA December 1, 1974
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds
BT1 Thorium Compounds
BT2 Actinide Compounds

THORIUM TELLURIDES [01]
DA April 19, 1976
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds
BT1 Thorium Compounds
BT2 Actinide Compounds

THORIUM TUNGSTATES [01]
DA January 22, 1975
BT1 Thorium Compounds
BT2 Actinide Compounds
BT1 Tungstates

Thorium X
DA December 1, 1974
USE Radium 224

THOROGUMMITE [01]
DA December 1, 1974
BT1 Silicate Minerals
BT2 Minerals
BT1 Thorium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
RT Thorium Silicates

Thoron
DA December 1, 1974
USE Radon 220

THOROTRAST [01]
DA December 1, 1974
BT1 Contrast Media
BT1 Radiocolloids
BT2 Colloids
BT3 Dispersions
BT1 Thorium Oxides
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT2 Thorium Compounds
BT3 Actinide Compounds

→**THR REACTOR [01]**
(Qinghua University, Beijing, China)
DA November 22, 1991
BT1 Process Heat Reactors
BT2 Reactors
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

THREADED JOINTS [01]
DA October 5, 1982
BT1 Joints
RT Machine Parts

THREE-BODY PROBLEM [01]
DA December 1, 1974
BT1 Many-Body Problem
RT Efimov Effect
RT Faddeev Equations

THREE-DIMENSIONAL CALCULATIONS [01]
DA December 1, 1974
UF *3-Dimensional Calculations*
UF *Calculations (3-Dimensional)*
RT Adjoint Difference Method
RT General Circulation Models
RT Many-Dimensional Calculations
RT Mathematics

THREE MILE ISLAND-1 REACTOR [01]
(Dauphin County, Pennsylvanai, USA)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

THREE MILE ISLAND-2 REACTOR [01]
(Dauphin County, Pennsylvania, USA)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

THREE-NUCLEON TRANSFER REACTIONS [01]
DA December 1, 1974
BT1 Multi-Nucleon Transfer Reactions
BT2 Transfer Reactions
BT3 Direct Reactions
BT4 Nuclear Reactions

THREONINE [01]
DA December 1, 1974
BT1 Amino Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT1 Hydroxy Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds

THRESHOLD CURRENT
DA October 24, 1981
UF *Current Limiting Fuses*
BT1 Electric Currents
BT2 Currents
RT Current Limiters
DEF A current magnitude of specified wave slope at which the melting of the current-response element occurs at the first instantaneous peak current for that wave slope.

THRESHOLD DETECTORS [01]
DA December 1, 1974
BT1 Neutron Detectors
BT2 Radiation Detectors
BT3 Measuring Instruments
RT Activation Detectors
RT Fission Chambers
RT Fission Foil Detectors

THRESHOLD DOSE [01]
DA December 1, 1974
BT1 Radiation Doses
BT2 Doses

THRESHOLD ENERGY [01]
DA December 1, 1974
BT1 Energy
RT Interactions
RT Nuclear Reactions
RT Scattering

THRESHOLD RIGIDITY [01]
DA December 1, 1974
UF *Geomagnetic Cut-Off Rigidity*
RT Cosmic Radiation
RT Geomagnetic Field

Throat
DA December 1, 1974
USE Pharynx

THROMBIN [01]
(Code number 3.4.21.5.)
DA December 1, 1974
BT1 Blood Coagulation Factors
BT2 Coagulants
BT3 Hematologic Agents
BT4 Drugs
BT2 Proteins
BT3 Organic Compounds
BT1 Hemostatics
BT2 Coagulants
BT3 Hematologic Agents
BT4 Drugs
BT1 Serine Proteinases
BT2 Peptide Hydrolases
BT3 Hydrolases
BT4 Enzymes
BT5 Proteins
BT6 Organic Compounds
RT Thrombosis

Thrombocytes
DA December 1, 1974
USE Blood Platelets

THROMBOPLASTIN [01]
DA December 1, 1974
BT1 Blood Coagulation Factors
BT2 Coagulants
BT3 Hematologic Agents
BT4 Drugs
BT2 Proteins
BT3 Organic Compounds
BT1 Hemostatics
BT2 Coagulants
BT3 Hematologic Agents
BT4 Drugs

THROMBOPOIESIS [01]
DA December 1, 1974
BT1 Blood Formation
RT Blood Platelets

THROMBOSIS [01]
DA December 1, 1974
BT1 Cardiovascular Diseases
BT2 Diseases
BT1 Vascular Diseases
BT2 Diseases
RT Blood Coagulation
RT Blood Vessels
RT Streptococcal Proteinase
RT Thrombin

THROUGHFALL [01]
DA December 10, 1984
BT1 Rain Water
BT2 Water
BT3 Hydrogen Compounds
BT3 Oxygen Compounds
RT Acid Rain
RT Atmospheric Precipitations
RT Canopies
RT Evaporation
RT Forests
RT Interception
RT Plants
RT Runoff
RT Water
DEF Rain water which passes through a vegetative canopy and reaches the soil.

THRUSTERS
DA January 22, 1975
NT1 Ion Thrusters
RT Atlas Rockets
RT Missiles
RT Positioning
RT Propulsion
RT Propulsion Systems
RT Ships
RT Space Vehicles

THTR-300 REACTOR [01]
(Hammuentrop, North Rhein Westfalia, Federal Republic of Germany)
DA December 1, 1974
UF *Schmehausen THTR Reactor*
UF *Thorium-Hochtemperatur Prototype Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Helium Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 HTGR Type Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT2 Graphite Moderated Reactors
BT3 Reactors
BT1 Pebble Bed Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT2 Solid Homogeneous Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Thorium Reactors
BT2 Reactors

THUCHOLITE [01]
DA December 1, 1974
BT1 Bitumens
BT2 Tar
BT3 Other Organic Compounds
BT4 Organic Compounds
BT1 Thorium Compounds
BT2 Actinide Compounds
BT1 Thorium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
BT1 Uranium Compounds
BT2 Actinide Compounds
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
RT Rare Earths
RT Uraninites

THULIUM [01]
DA December 1, 1974
BT1 Rare Earths
BT2 Metals
BT3 Elements

THULIUM 147 [01]
DA June 7, 1982
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Proton Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Thulium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

THULIUM 148 [01]
DA June 7, 1982
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Thulium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

THULIUM 149 [01]
DA May 7, 1985
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Thulium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

THULIUM 150 [01]
DA September 8, 1981
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Thulium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

THULIUM 151 [01]
DA November 17, 1976
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Thulium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

THULIUM 152 [01]
DA September 5, 1980
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Thulium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

THULIUM 153 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Thulium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

THULIUM 154 [01]
DA April 13, 1977
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Thulium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

THULIUM 155 [01]
DA February 19, 1975
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Thulium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

THULIUM 156 [01]
DA February 19, 1975
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Thulium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

THULIUM 157 [01]
DA April 8, 1975
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Thulium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

THULIUM 158 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes

BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Thulium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

THULIUM 159 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Thulium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

THULIUM 160 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Thulium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

THULIUM 161 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Thulium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

THULIUM 162 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Thulium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

THULIUM 163 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Thulium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

THULIUM 164 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Thulium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

THULIUM 165 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Thulium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

THULIUM 166 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Thulium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

THULIUM 167 [01]
DA December 1, 1974
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Thulium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

THULIUM 168 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Thulium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

THULIUM 169 [01]
DA December 1, 1974
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
BT1 Thulium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

THULIUM 169 TARGET [01]
DA July 9, 1976
BT1 Targets

THULIUM 170 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes

BT4 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Thulium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

THULIUM 171 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Thulium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

THULIUM 171 TARGET [01]
DA January 21, 1982
BT1 Targets

THULIUM 172 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Thulium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

THULIUM 173 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Thulium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

THULIUM 174 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Thulium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

THULIUM 175 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Thulium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

THULIUM 176 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Thulium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

THULIUM 177 [01]
DA July 10, 1984
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Thulium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

THULIUM ADDITIONS [01]
DA December 1, 1974
BT1 Rare Earth Additions
BT2 Rare Earth Alloys
BT3 Alloys
BT1 Thulium Alloys
BT2 Rare Earth Alloys
BT3 Alloys

THULIUM ALLOYS [01]
DA December 1, 1974
BT1 Rare Earth Alloys
BT2 Alloys
NT1 Thulium Additions
NT1 Thulium Base Alloys

THULIUM ARSENIDES [01]
DA October 28, 1975
BT1 Arsenides
BT2 Arsenic Compounds
BT2 Pnictides
BT1 Thulium Compounds
BT2 Rare Earth Compounds

THULIUM BASE ALLOYS [01]
DA December 1, 1974
BT1 Thulium Alloys
BT2 Rare Earth Alloys
BT3 Alloys

THULIUM BORIDES [01]
DA December 1, 1974
BT1 Borides
BT2 Boron Compounds
BT1 Thulium Compounds
BT2 Rare Earth Compounds

THULIUM BROMIDES [01]
DA December 1, 1974
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Thulium Compounds
BT2 Rare Earth Compounds

THULIUM CARBIDES [01]
DA December 1, 1974
BT1 Carbides
BT2 Carbon Compounds
BT1 Thulium Compounds
BT2 Rare Earth Compounds

THULIUM CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Thulium Compounds
BT2 Rare Earth Compounds

THULIUM COMPLEXES [01]
DA December 1, 1974
BT1 Rare Earth Complexes
BT2 Complexes

THULIUM COMPOUNDS [01]
DA December 1, 1974
BT1 Rare Earth Compounds
NT1 Thulium Arsenides
NT1 Thulium Borides
NT1 Thulium Bromides
NT1 Thulium Carbides
NT1 Thulium Chlorides
NT1 Thulium Fluorides
NT1 Thulium Hydrides
NT1 Thulium Hydroxides
NT1 Thulium Iodides
NT1 Thulium Nitrates
NT1 Thulium Nitrides
NT1 Thulium Oxides
NT1 Thulium Perchlorates
NT1 Thulium Phosphates
NT1 Thulium Phosphides
NT1 Thulium Selenides
NT1 Thulium Silicates
NT1 Thulium Silicides
NT1 Thulium Sulfates
NT1 Thulium Sulfides
NT1 Thulium Tellurides

THULIUM FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Thulium Compounds
BT2 Rare Earth Compounds

THULIUM HYDRIDES [01]
DA December 1, 1974
BT1 Hydrides
BT2 Hydrogen Compounds
BT1 Thulium Compounds
BT2 Rare Earth Compounds

THULIUM HYDROXIDES [01]
DA January 31, 1975
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds
BT1 Thulium Compounds
BT2 Rare Earth Compounds

THULIUM IODIDES [01]
DA April 8, 1975
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds
BT1 Thulium Compounds
BT2 Rare Earth Compounds

THULIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

THULIUM ISOTOPES [01]
DA December 1, 1974
BT1 Rare Earth Isotopes
BT2 Isotopes
NT1 Thulium 147
NT1 Thulium 148
NT1 Thulium 149
NT1 Thulium 150
NT1 Thulium 151
NT1 Thulium 152
NT1 Thulium 153
NT1 Thulium 154
NT1 Thulium 155
NT1 Thulium 156
NT1 Thulium 157
NT1 Thulium 158
NT1 Thulium 159
NT1 Thulium 160
NT1 Thulium 161
NT1 Thulium 162
NT1 Thulium 163
NT1 Thulium 164
NT1 Thulium 165
NT1 Thulium 166
NT1 Thulium 167
NT1 Thulium 168
NT1 Thulium 169
NT1 Thulium 170
NT1 Thulium 171
NT1 Thulium 172
NT1 Thulium 173
NT1 Thulium 174
NT1 Thulium 175
NT1 Thulium 176
NT1 Thulium 177

THULIUM NITRATES [01]
DA December 1, 1974
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds
BT1 Thulium Compounds
BT2 Rare Earth Compounds

THULIUM NITRIDES [01]
DA December 1, 1974
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides
BT1 Thulium Compounds
BT2 Rare Earth Compounds

THULIUM OXIDES [01]
DA December 1, 1974
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds
BT1 Thulium Compounds
BT2 Rare Earth Compounds

THULIUM PERCHLORATES
DA October 28, 1975
BT1 Perchlorates
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Oxygen Compounds
BT1 Thulium Compounds
BT2 Rare Earth Compounds

THULIUM PHOSPHATES [01]
DA December 16, 1975
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds
BT1 Thulium Compounds
BT2 Rare Earth Compounds

THULIUM PHOSPHIDES [01]
DA November 28, 1975
BT1 Phosphides
BT2 Phosphorus Compounds
BT2 Pnictides
BT1 Thulium Compounds
BT2 Rare Earth Compounds

THULIUM SELENIDES [01]
DA April 8, 1975
BT1 Selenides
BT2 Chalcogenides
BT2 Selenium Compounds
BT1 Thulium Compounds
BT2 Rare Earth Compounds

THULIUM SILICATES [01]
DA November 9, 1977
BT1 Silicates
BT2 Oxygen Compounds
BT2 Silicon Compounds
BT1 Thulium Compounds
BT2 Rare Earth Compounds

THULIUM SILICIDES [01]
DA January 23, 1976
BT1 Silicides
BT2 Silicon Compounds
BT1 Thulium Compounds
BT2 Rare Earth Compounds

THULIUM SULFATES [01]
DA December 1, 1974
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds
BT1 Thulium Compounds
BT2 Rare Earth Compounds

THULIUM SULFIDES [01]
DA December 1, 1974
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds
BT1 Thulium Compounds
BT2 Rare Earth Compounds

THULIUM TELLURIDES [01]
DA April 8, 1975
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds
BT1 Thulium Compounds
BT2 Rare Earth Compounds

THUNDERBIRD PROJECT [01]
(In-situ gasification of coal following nuclear fragmentation.)
DA November 26, 1975
UF *Project Thunderbird*
RT Coal Gasification
RT Nuclear Explosions

THYLAKOID MEMBRANE PROTEINS [01]
DA July 31, 1987
BT1 Proteins
BT2 Organic Compounds
NT1 Phycobiliproteins
NT2 Phycocyanin
RT Photosynthesis
RT Photosynthetic Membranes

THYLOX PROCESS
DA January 27, 1975
BT1 Desulfurization
BT2 Chemical Reactions
DEF Wet scrubbing process for the removal of H_2S using ammonium thioarsenate.

Thyme Camphor
DA December 1, 1974
USE Thymol

THYMECTOMY [01]
DA December 1, 1974
BT1 Surgery
BT2 Medicine
RT Immunity
RT Thymus

Thymic Acid
DA December 1, 1974
USE Thymol

THYMIDINE [01]
DA December 1, 1974
BT1 Nucleosides
BT2 Nucleotides
BT3 Organic Compounds
BT2 Ribosides
BT1 Pyrimidines
BT2 Azines
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
RT Thymine

THYMIDYLIC ACID [01]
DA December 1, 1974
BT1 Nucleotides
BT2 Organic Compounds
RT Thymine

THYMINE [01]
DA December 1, 1974
UF *5-Methyluracil*
BT1 Uracils
BT2 Hydroxy Compounds
BT3 Organic Compounds
BT2 Pyrimidines
BT3 Azines
BT4 Heterocyclic Compounds
BT5 Organic Compounds
BT4 Organic Nitrogen Compounds
BT5 Organic Compounds
RT Thymidine
RT Thymidylic Acid
RT Thymonucleic Acid

THYMOCYTES [01]
DA December 1, 1974
BT1 Somatic Cells
BT2 Animal Cells
RT Thymus

THYMOL [01]
DA December 1, 1974
UF *Hydroxy-para-Cymene*
UF *Isopropyl Cresol*
UF *Thyme Camphor*
UF *Thymic Acid*
BT1 Phenols
BT2 Aromatics
BT3 Organic Compounds
BT2 Hydroxy Compounds
BT3 Organic Compounds
RT Cymene

THYMONUCLEIC ACID [01]
DA December 1, 1974
BT1 Nucleic Acids
BT2 Organic Compounds
RT Thymine

THYMUS [01]
DA December 1, 1974
BT1 Lymphatic System
BT1 Organs
BT2 Body
RT Calcitonin
RT Chest
RT Immune System Diseases
RT Lymphocytes
RT Mediastinum
RT Thymectomy
RT Thymocytes
RT Thymus Cells

THYMUS CELLS [01]
DA December 1, 1974
BT1 Somatic Cells
BT2 Animal Cells
RT Thymus

THYRATRONS [01]
DA December 1, 1974
BT1 Gas Discharge Tubes
BT2 Electron Tubes
RT Rectifier Tubes
RT Switching Circuits

THYRISTORS [01]
DA December 1, 1974
BT1 Semiconductor Devices
RT Rectifiers
RT Switching Circuits

THYROCALCITONIN [01]
DA December 1, 1974
BT1 Thyroid Hormones
BT2 Peptide Hormones
BT3 Hormones

BT3 Proteins
BT4 Organic Compounds
RT Calcium

THYROGLOBULIN [01]
DA December 1, 1974
BT1 Globulins
BT2 Proteins
BT3 Organic Compounds
RT Iodine
RT Thyroid
RT Thyroid Hormones
RT Thyroxine

THYROID [01]
DA December 1, 1974
BT1 Endocrine Glands
BT2 Glands
BT3 Organs
BT4 Body
RT Antithyroid Drugs
RT Blood-Plasma Clearance
RT Calcitonin
RT Goiter
RT Iodine
RT Neck
RT Parathyroid Glands
RT Thyroglobulin
RT Thyroid Cells
RT Thyroid Hormones
RT Thyroidectomy
RT Thyroiditis

Thyroid Antagonists
DA December 1, 1974
USE Antithyroid Drugs

THYROID CELLS [01]
DA October 27, 1980
BT1 Animal Cells
RT Thyroid

THYROID HORMONES [01]
DA December 1, 1974
BT1 Peptide Hormones
BT2 Hormones
BT2 Proteins
BT3 Organic Compounds
NT1 Diiodothyronine
NT1 Thyrocalcitonin
NT1 Thyroxine
NT1 Triiodothyronine
RT Hyperthyroidism
RT Hypothyroidism
RT Iodine
RT Metabolism
RT PBI
RT Thyroglobulin
RT Thyroid
RT Thyronine
RT TSH

Thyroid Stimulating Hormone
DA December 1, 1974
USE TSH

THYROIDECTOMY [01]
DA December 1, 1974
BT1 Surgery
BT2 Medicine
RT Thyroid

THYROIDITIS [01]
DA December 1, 1974
BT1 Endocrine Diseases
BT2 Diseases
RT Thyroid

THYRONINE [01]
DA December 1, 1974
UF *Desiodothyroxine*
BT1 Amino Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT1 Hydroxy Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT1 Peptide Hormones
BT2 Hormones
BT2 Proteins
BT3 Organic Compounds
RT Diiodothyronine
RT Ethers
RT Thyroid Hormones
RT Thyroxine
RT Triiodothyronine

Thyrotoxicosis
DA December 1, 1974
USE Hyperthyroidism

Thyrotropin-Releasing Hormone
DA December 1, 1974
USE TRH

THYROXINE [01]
DA December 1, 1974
UF *T4 Hormone*
BT1 Amino Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT1 Organic Iodine Compounds
BT2 Organic Halogen Compounds
BT3 Organic Compounds
BT1 Thyroid Hormones
BT2 Peptide Hormones
BT3 Hormones
BT3 Proteins
BT4 Organic Compounds
RT Ethers
RT Thyroglobulin
RT Thyronine

Thyssen-Galocsy Process
(Prior to July 1993, this was a valid descriptor.)
DA January 24, 1975
SEE Coal Gasification

TIBER-X TOKAMAK [01]
(Compact, 3-m radius, steady-state tokamak with ECH/1H current drive and profile control.)
DA April 8, 1987
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices
RT Thermonuclear Ignition
DEF Compact 3-M radius, steady-state tokamak with ech/lh current drive and profile control.

TIBET [01]
DA February 20, 1975
BT1 Asia

TIBIA [01]
DA December 1, 1974
BT1 Skeleton
BT2 Organs
BT3 Body
RT Legs

TIBR REACTOR [01]
DA March 9, 1987
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Fast Reactors
BT2 Epithermal Reactors
BT3 Reactors
BT1 Pulsed Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Transportable Reactors
BT2 Reactors

TICKS [01]
DA December 1, 1974
BT1 Arachnids
BT2 Arthropods
BT3 Invertebrates
BT4 Animals

TID
DA December 1, 1974
USE Travelling Ionospheric Disturbance

TIDAL POWER [01]
DA January 22, 1975
BT1 Renewable Energy Sources
BT2 Energy Sources
RT Tidal Power Plants
RT Tide
RT Water Current Power Generators

TIDAL POWER PLANTS [01]
DA June 30, 1975
BT1 Power Plants
NT1 Kislogubsk Power Plant
NT1 Passamaquoddy Power Plant
NT1 Rance Power Plant
RT Tidal Power

Tidal Waves
DA December 1, 1974
USE Tsunamis

TIDE [01]
DA December 1, 1974
RT Seas
RT Tidal Power
RT Water Currents
RT Water Waves

Tight Sands
DA December 8, 1980
USE Permeability
AND Sandstones

Tiglium Oil
DA December 1, 1974
USE Croton Oil

TIGRIS RIVER [01]
DA June 24, 1988
BT1 Rivers
BT2 Streams
BT3 Surface Waters
RT Iraq
RT Turkey

Tihange-1 Reactor
DA May 7, 1982
USE Tihange Reactor

TIHANGE-2 REACTOR [01]
DA May 7, 1982
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

TIHANGE-3 REACTOR [01]
DA May 7, 1982
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

TIHANGE REACTOR [01]
(Tihange, Liege, Belgium)
DA December 1, 1974
UF *Tihange-1 Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

TIKONAL [01]
DA December 16, 1975
BT1 Aluminium Alloys
BT2 Alloys
BT1 Cobalt Alloys
BT2 Alloys
BT1 Copper Alloys
BT2 Alloys
BT1 Iron Alloys
BT2 Alloys
BT1 Nickel Alloys
BT2 Alloys
BT1 Titanium Alloys
BT2 Alloys

Til Oil
DA December 1, 1974
USE Sesame Oil

TILT MECHANISMS
DA July 18, 1981
RT Inclination
RT Orientation
RT Solar Tracking
RT Wind Turbines

Tilting (Neutron Flux)
DA December 1, 1974
USE Neutron Flux Tilting

TILTING INSTABILITY [01]
DA March 6, 1984
BT1 Plasma Macroinstabilities
BT2 Plasma Instability
BT3 Instability

TIME DELAY [01]
DA March 23, 1983
UF *Timeliness*
RT Administrative Procedures
RT Contracts
RT Legal Aspects
RT Management
RT Procurement
RT Schedules
RT Time Measurement

TIME DEPENDENCE [01]
DA December 1, 1974
RT Blood-Plasma Clearance
RT Confinement Time
RT Delayed Radiation Effects
RT Differential PAC
RT Early Radiation Effects
RT Flow Rate
RT Incubation
RT Mortality
RT Quarantine
RT Relaxation Time
RT Retention Functions
RT Survival Time
RT Temporal Dose Distributions

TIME INTERVAL ANALYZERS [01]
DA December 1, 1974
BT1 Measuring Instruments
NT1 Chronotrons
NT2 Vernier Chronotrons
RT Atomic Clocks
RT Time Measurement

TIME MEASUREMENT [01]
DA December 1, 1974
RT Atomic Clocks
RT Calendars
RT Coincidence Circuits
RT Dead Time
RT Measuring Instruments
RT Pendulums
RT Pulse Rise Time
RT Time Delay
RT Time Interval Analyzers
RT Timing Circuits
RT Timing Properties

Time-of-day Pricing
DA May 3, 1979
USE Time-of-Use Pricing

TIME-OF-FLIGHT MASS SPECTROMETERS [01]
DA September 21, 1988
BT1 Dynamic Mass Spectrometers
BT2 Mass Spectrometers
BT3 Spectrometers
BT4 Measuring Instruments
BT1 Time-of-Flight Spectrometers
BT2 Spectrometers
BT3 Measuring Instruments

TIME-OF-FLIGHT METHOD [01]
DA December 1, 1974
RT Charge Plunger Method
RT Time-of-Flight Spectrometers

TIME-OF-FLIGHT SPECTROMETERS [01]
DA December 1, 1974
BT1 Spectrometers
BT2 Measuring Instruments
NT1 Time-Of-Flight Mass Spectrometers
RT Time-of-Flight Method

Time-of-Season Pricing
DA May 6, 1980
USE Seasonal Variations
AND Time-of-Use Pricing

TIME-OF-USE PRICING
DA May 6, 1980
UF *Time-of-day Pricing*
UF+ *Time-of-Season Pricing*
BT1 Prices
RT Electric Power
RT Load Management
RT Off-Peak Power
RT Peak-Load Pricing
RT Rate Structure
RT Seasonal Variations
DEF Pricing of service during periods of the day or during different seasons of the year based on cost of supplying the service during the time of day or season.

TIME PROJECTION CHAMBERS [01]
DA February 23, 1979
UF *TPC*
RT Projection Spark Chambers

TIME RESOLUTION [01]
DA December 1, 1974
BT1 Resolution
BT1 Timing Properties
RT Pulse Pileup
DEF Minimum time interval between events to be detected

Time-Reversal Invariance
DA December 1, 1974
USE T Invariance

TIME-SERIES ANALYSIS [01]
DA February 14, 1978
BT1 Mathematics
RT Decision Making
RT Forecasting
RT Mathematical Models

TIME-TO-AMPLITUDE CONVERTERS [01]
DA December 1, 1974
BT1 Pulse Converters
BT2 Electronic Equipment
BT3 Equipment

Timeliness
DA March 23, 1983
USE Time Delay

TIMING CIRCUITS [01]
DA December 1, 1974
BT1 Electronic Circuits
RT Dead Time
RT Discriminators
RT Sweep Circuits
RT Time Measurement
RT Timing Properties

TIMING PROPERTIES [01]
DA December 1, 1974
NT1 Dead Time
NT1 Pulse Rise Time
NT1 Time Resolution
RT Pulse Pileup
RT Time Measurement
RT Timing Circuits
DEF Properties of a detector, circuit or other component related to time measurement, such as its pulse rise time or time resolution, etc.

TIMKEN ALLOYS [01]
DA December 1, 1974
BT1 Chromium-Nickel Steels
BT2 Chromium Alloys
BT3 Alloys
BT2 Nickel Alloys
BT3 Alloys
BT2 Stainless Steels
BT3 High Alloy Steels
BT4 Steels
BT5 Iron Base Alloys
BT6 Iron Alloys
BT7 Alloys
BT1 Cobalt Alloys
BT2 Alloys
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Stainless Steels
BT2 High Alloy Steels
BT3 Steels
BT4 Iron Base Alloys
BT5 Iron Alloys
BT6 Alloys

TIN [01]
DA December 1, 1974
BT1 Metals
BT2 Elements

TIN 100 [01]
DA March 12, 1985
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Tin Isotopes
BT2 Isotopes

TIN 101 [01]
DA October 25, 1985
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Tin Isotopes
BT2 Isotopes

TIN 102 [01]
DA March 12, 1985
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Tin Isotopes
BT2 Isotopes

TIN 103 [01]
DA August 12, 1980
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei

BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tin Isotopes
BT2 Isotopes

TIN 104 [01]
DA September 15, 1976
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Tin Isotopes
BT2 Isotopes

TIN 105 [01]
DA August 12, 1980
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tin Isotopes
BT2 Isotopes

TIN 106 [01]
DA January 22, 1975
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tin Isotopes
BT2 Isotopes

TIN 107 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tin Isotopes
BT2 Isotopes

TIN 108 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tin Isotopes
BT2 Isotopes

TIN 109 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tin Isotopes
BT2 Isotopes

TIN 110 [01]
DA December 1, 1974
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Tin Isotopes
BT2 Isotopes

TIN 110 TARGET [01]
DA August 12, 1980
BT1 Targets

TIN 111 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tin Isotopes
BT2 Isotopes

TIN 112 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
BT1 Tin Isotopes
BT2 Isotopes

→**TIN 112 REACTIONS [01]**
DA November 26, 1991
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

TIN 112 TARGET [01]
DA July 9, 1976
BT1 Targets

TIN 113 [01]
DA December 1, 1974
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tin Isotopes
BT2 Isotopes
RT Radioisotope Generators

TIN 114 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
BT1 Tin Isotopes
BT2 Isotopes

TIN 114 TARGET [01]
DA July 9, 1976
BT1 Targets

TIN 115 [01]
DA December 1, 1974
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
BT1 Tin Isotopes
BT2 Isotopes

TIN 115 TARGET [01]
DA December 16, 1976
BT1 Targets

TIN 116 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
BT1 Tin Isotopes
BT2 Isotopes

TIN 116 REACTIONS [01]
DA December 23, 1987
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

TIN 116 TARGET [01]
DA July 9, 1976
BT1 Targets

TIN 117 [01]
DA December 1, 1974
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Stable Isotopes
BT2 Isotopes
BT1 Tin Isotopes
BT2 Isotopes

TIN 117 TARGET [01]
DA July 9, 1976
BT1 Targets

TIN 118 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei

BT1 Stable Isotopes
BT2 Isotopes
BT1 Tin Isotopes
BT2 Isotopes

TIN 118 REACTIONS [01]
DA July 9, 1987
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

TIN 118 TARGET [01]
DA July 9, 1976
BT1 Targets

TIN 119 [01]
DA December 1, 1974
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Stable Isotopes
BT2 Isotopes
BT1 Tin Isotopes
BT2 Isotopes

TIN 119 TARGET [01]
DA July 9, 1976
BT1 Targets

TIN 120 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
BT1 Tin Isotopes
BT2 Isotopes

TIN 120 BEAMS [01]
DA June 29, 1984
BT1 Ion Beams
BT2 Beams

TIN 120 REACTIONS [01]
DA August 7, 1976
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

TIN 120 TARGET [01]
DA July 9, 1976
BT1 Targets

TIN 121 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tin Isotopes
BT2 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

TIN 122 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
BT1 Tin Isotopes
BT2 Isotopes

TIN 122 REACTIONS [01]
DA October 7, 1980
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

TIN 122 TARGET [01]
DA July 9, 1976
BT1 Targets

TIN 123 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tin Isotopes
BT2 Isotopes

TIN 124 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
BT1 Tin Isotopes
BT2 Isotopes

TIN 124 REACTIONS [01]
DA January 9, 1981
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

TIN 124 TARGET [01]
DA July 9, 1976
BT1 Targets

TIN 125 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tin Isotopes
BT2 Isotopes

TIN 125 TARGET [01]
DA October 10, 1984
BT1 Targets

TIN 126 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Tin Isotopes
BT2 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

TIN 126 TARGET [01]
DA May 6, 1980
BT1 Targets

TIN 127 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tin Isotopes
BT2 Isotopes

TIN 128 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tin Isotopes
BT2 Isotopes

TIN 129 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tin Isotopes
BT2 Isotopes

TIN 130 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BT1 Tin Isotopes
BT2 Isotopes

TIN 131 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tin Isotopes
BT2 Isotopes

TIN 132 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tin Isotopes
BT2 Isotopes

TIN 133 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tin Isotopes
BT2 Isotopes

TIN 134 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tin Isotopes
BT2 Isotopes

TIN ADDITIONS [01]
DA December 1, 1974
BT1 Tin Alloys
BT2 Alloys
NT1 Zamak

TIN ALLOYS [01]
DA December 1, 1974
BT1 Alloys
NT1 Alloy-Bi50Pb25Cd12Sn12
NT2 Wood Metal
NT1 Alloy-Zr98Sn-2
NT2 Zircaloy 2
NT1 Alloy-Zr98Sn-4
NT2 Zircaloy 4
NT1 Bronze
NT1 Cerrobend Alloys
NT1 Lichtenberg Alloy
NT1 Newton-Metal
NT1 Ounce Metal
NT1 Rose-Metal
NT1 Terne-Metal
NT1 Tin Additions
NT2 Zamak
NT1 Tin Base Alloys
NT1 Transage 117
NT1 Transage 120
NT1 Transage 129
NT1 Transage 134
NT1 Transage 175
NT1 Wood Metal

TIN ARSENIDES [01]
DA November 11, 1975
BT1 Arsenides
BT2 Arsenic Compounds
BT2 Pnictides
BT1 Tin Compounds

TIN BASE ALLOYS [01]
DA December 1, 1974
BT1 Tin Alloys
BT2 Alloys

TIN BORIDES [01]
DA December 1, 1974
BT1 Borides
BT2 Boron Compounds
BT1 Tin Compounds

TIN BROMIDES [01]
DA December 1, 1974
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Tin Halides
BT2 Halides
BT3 Halogen Compounds
BT2 Tin Compounds

TIN CARBIDES [01]
DA December 16, 1975
BT1 Carbides
BT2 Carbon Compounds
BT1 Tin Compounds

TIN CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Tin Halides
BT2 Halides
BT3 Halogen Compounds
BT2 Tin Compounds

TIN COMPLEXES [01]
DA December 1, 1974
BT1 Complexes

TIN COMPOUNDS [01]
DA December 1, 1974
NT1 Stannates
NT2 Cadmium Stannates
NT1 Tin Arsenides
NT1 Tin Borides
NT1 Tin Carbides
NT1 Tin Halides
NT2 Tin Bromides
NT2 Tin Chlorides
NT2 Tin Fluorides
NT2 Tin Iodides
NT1 Tin Hydrides
NT1 Tin Hydroxides
NT1 Tin Nitrides
NT1 Tin Oxides
NT1 Tin Phosphates
NT1 Tin Phosphides
NT1 Tin Selenides
NT1 Tin Sulfates
NT1 Tin Sulfides
NT1 Tin Tellurides
NT1 Tin Tungstates

TIN FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Tin Halides
BT2 Halides
BT3 Halogen Compounds
BT2 Tin Compounds

TIN HALIDES [01]
DA June 24, 1977
BT1 Halides
BT2 Halogen Compounds
BT1 Tin Compounds
NT1 Tin Bromides
NT1 Tin Chlorides
NT1 Tin Fluorides
NT1 Tin Iodides

TIN HYDRIDES [01]
DA December 1, 1974
BT1 Hydrides
BT2 Hydrogen Compounds
BT1 Tin Compounds

TIN HYDROXIDES [01]
DA December 1, 1974
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds
BT1 Tin Compounds

TIN IODIDES [01]
DA December 1, 1974
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds
BT1 Tin Halides
BT2 Halides
BT3 Halogen Compounds
BT2 Tin Compounds

TIN IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

TIN ISOTOPES [01]
DA December 1, 1974
BT1 Isotopes
NT1 Tin 100
NT1 Tin 101
NT1 Tin 102
NT1 Tin 103
NT1 Tin 104
NT1 Tin 105
NT1 Tin 106
NT1 Tin 107
NT1 Tin 108
NT1 Tin 109
NT1 Tin 110
NT1 Tin 111
NT1 Tin 112
NT1 Tin 113
NT1 Tin 114
NT1 Tin 115
NT1 Tin 116
NT1 Tin 117
NT1 Tin 118
NT1 Tin 119
NT1 Tin 120
NT1 Tin 121
NT1 Tin 122
NT1 Tin 123
NT1 Tin 124
NT1 Tin 125
NT1 Tin 126
NT1 Tin 127
NT1 Tin 128
NT1 Tin 129
NT1 Tin 130
NT1 Tin 131
NT1 Tin 132

NT1 Tin 133
NT1 Tin 134

TIN NITRIDES [01]
DA January 22, 1975
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides
BT1 Tin Compounds

TIN ORES [01]
DA October 1, 1975
BT1 Ores

TIN OXIDES [01]
DA December 1, 1974
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds
BT1 Tin Compounds
RT Stannates

TIN PHOSPHATES [01]
DA December 1, 1974
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds
BT1 Tin Compounds

TIN PHOSPHIDES [01]
DA November 11, 1975
BT1 Phosphides
BT2 Phosphorus Compounds
BT2 Pnictides
BT1 Tin Compounds

TIN SELENIDES [01]
DA January 22, 1975
BT1 Selenides
BT2 Chalcogenides
BT2 Selenium Compounds
BT1 Tin Compounds

TIN SULFATES [01]
DA December 1, 1974
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds
BT1 Tin Compounds

TIN SULFIDES [01]
DA December 1, 1974
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds
BT1 Tin Compounds

TIN TELLURIDES [01]
DA May 6, 1975
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds
BT1 Tin Compounds

TIN TUNGSTATES [01]
DA January 22, 1975
BT1 Tin Compounds
BT1 Tungstates

TINEA
DA July 18, 1979
BT1 Fungal Diseases
BT2 Infectious Diseases
BT3 Diseases
RT Fungi

TIOGA NITROGEN REMOVAL PROCESS
DA March 22, 1976
RT Nitrogen

TIPVANE ROTORS
DA September 13, 1978
UF *Dynamic Inducer Rotors*
BT1 Rotors
RT Horizontal Axis Turbines
RT Wind Turbines
DEF Horizontal axis turbines with small wings attached at right angles to the rotor tips

TIRES [01]
DA January 22, 1975
RT Vehicles
RT Wheels

TIRON [01]
DA December 1, 1974
BT1 Polyphenols
BT2 Phenols
BT3 Aromatics
BT4 Organic Compounds
BT3 Hydroxy Compounds
BT4 Organic Compounds
BT1 Reagents
BT1 Sodium Compounds
BT2 Alkali Metal Compounds
BT1 Sulfonic Acids
BT2 Organic Acids
BT3 Organic Compounds
BT2 Organic Sulfur Compounds
BT3 Organic Compounds

TISSUE CULTURES [01]
DA December 1, 1974
UF *Cultures (Tissue)*
UF *Organ Cultures*
RT Cell Cultures
RT Culture Media
RT Diffusion Chambers
RT In Vitro
RT Tissues

TISSUE DISTRIBUTION [01]
DA February 6, 1975
BT1 Distribution
RT Biological Localization
RT Radionuclide Kinetics
RT Tissues

Tissue Equivalent Chambers
DA December 1, 1974
USE Bragg Gray Chambers

TISSUE-EQUIVALENT DETECTORS [01]
DA December 1, 1974
BT1 Radiation Detectors
BT2 Measuring Instruments
RT Dose Equivalents

TISSUE-EQUIVALENT MATERIALS [01]
DA December 1, 1974
BT1 Materials
RT Phantoms
RT Tissues

TISSUE EXTRACTS [01]
DA January 27, 1975
BT1 Biological Materials
BT2 Materials
RT Animal Tissues
RT Cell Constituents
RT Mitogens
RT Zymosan

TISSUES [01]
DA December 1, 1974
UF+ *Muscular Tissue*
BT1 Body
NT1 Animal Tissues
NT2 Bone Marrow
NT2 Connective Tissue
NT3 Adipose Tissue
NT3 Bone Tissues
NT4 Antlers
NT4 Trabecular Bone
NT3 Cartilage
NT3 Fascia
NT3 Ligaments
NT3 Tendons
NT2 Endothelium
NT2 Epithelium
NT3 Epidermis
NT2 Nerve Tissue
NT2 Perfused Tissues
NT2 Reticuloendothelial System
NT1 Plant Tissues
NT2 Bark
NT2 Endosperm
NT2 Meristems
NT2 Mycelium
RT Biological Regeneration
RT Biology
RT Biopsy
RT Capillaries
RT Histological Techniques
RT Histology
RT Homogenates
RT In Vivo
RT Morphological Changes
RT Organs
RT Retention
RT Skin
RT Tissue Cultures
RT Tissue Distribution
RT Tissue-Equivalent Materials

TITANATES [01]
(Specific compounds, except those of significance to energy research and development, should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
DA December 1, 1974
BT1 Oxygen Compounds
BT1 Titanium Compounds
BT2 Transition Element Compounds
NT1 Cadmium Titanates
NT1 PLZT
NT1 PZT
NT1 Strontium Titanates
RT Titanium Oxides

TITANITE [01]
DA December 1, 1974
UF *Sphene*
BT1 Silicate Minerals
BT2 Minerals
RT Titanium Silicates

TITANIUM [01]
DA December 1, 1974
BT1 Transition Elements
BT2 Metals
BT3 Elements
NT1 Titanium-Alpha
NT1 Titanium-Beta
RT Hichlor Process
RT Kroll Process
RT Refractory Metals

TITANIUM 39 [01]
DA December 2, 1988
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Titanium Isotopes
BT2 Isotopes

→**TITANIUM 40 [01]**
DA June 1, 1990
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Light Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Titanium Isotopes
BT2 Isotopes

TITANIUM 41 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

BT1 Titanium Isotopes
BT2 Isotopes

TITANIUM 42 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Titanium Isotopes
BT2 Isotopes

TITANIUM 43 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Titanium Isotopes
BT2 Isotopes

TITANIUM 44 [01]
DA December 1, 1974
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Titanium Isotopes
BT2 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

TITANIUM 44 TARGET [01]
DA September 11, 1978
BT1 Targets

TITANIUM 45 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Titanium Isotopes
BT2 Isotopes

TITANIUM 45 TARGET [01]
DA March 8, 1978
BT1 Targets

TITANIUM 46 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
BT1 Titanium Isotopes
BT2 Isotopes

TITANIUM 46 REACTIONS [01]
DA June 13, 1981
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

TITANIUM 46 TARGET [01]
DA July 9, 1976
BT1 Targets

TITANIUM 47 [01]
DA December 1, 1974
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
BT1 Titanium Isotopes
BT2 Isotopes

TITANIUM 47 TARGET [01]
DA July 9, 1976
BT1 Targets

TITANIUM 48 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
BT1 Titanium Isotopes
BT2 Isotopes

TITANIUM 48 BEAMS [01]
DA June 21, 1989
BT1 Ion Beams
BT2 Beams

TITANIUM 48 REACTIONS [01]
DA March 8, 1978
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

TITANIUM 48 TARGET [01]
DA July 9, 1976
BT1 Targets

TITANIUM 49 [01]
DA December 1, 1974
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
BT1 Titanium Isotopes
BT2 Isotopes
RT Titanium 49 Reactions

TITANIUM 49 REACTIONS [01]
DA September 24, 1985
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions
RT Titanium 49

TITANIUM 49 TARGET [01]
DA July 9, 1976
BT1 Targets

TITANIUM 50 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
BT1 Titanium Isotopes
BT2 Isotopes
RT Titanium 50 Reactions

TITANIUM 50 BEAMS [01]
DA October 23, 1979
BT1 Ion Beams
BT2 Beams

TITANIUM 50 REACTIONS [01]
DA June 30, 1975
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions
RT Titanium 50

TITANIUM 50 TARGET [01]
DA July 9, 1976
BT1 Targets

TITANIUM 51 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Titanium Isotopes
BT2 Isotopes

TITANIUM 52 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Titanium Isotopes
BT2 Isotopes

TITANIUM 53 [01]
DA September 15, 1976
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Titanium Isotopes
BT2 Isotopes

TITANIUM 54 [01]
DA November 24, 1980
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Titanium Isotopes
BT2 Isotopes

TITANIUM 55 [01]
DA January 30, 1981
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei

BT1 Titanium Isotopes
BT2 Isotopes

TITANIUM 56 [01]
DA January 30, 1981
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Titanium Isotopes
BT2 Isotopes

TITANIUM 57 [01]
DA September 5, 1986
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Titanium Isotopes
BT2 Isotopes

TITANIUM ADDITIONS [01]
DA December 1, 1974
BT1 Titanium Alloys
BT2 Alloys
NT1 Alloy-Fe44Ni33Cr21
NT2 Incoloy 800H
NT1 Alloy-Fe46Ni33Cr21
NT2 Incoloy 800
NT2 Incoloy 802
NT2 Sanicro 30
NT1 Alloy-IN-102
NT1 Alloy-Mo99
NT2 Alloy-TZM
NT2 Alloy-Zm-2A
NT1 Alloy-N-10M
NT1 Alloy-Nb94Mo4
NT1 Alloy-Ni43Fe30Cr22Mo3
NT2 Incoloy 825
NT1 Alloy-Ni47Cr25Co12W9Fe3
NT2 Alloy-IN-643
NT2 Inconel 643
NT1 Alloy-Ni51Cr48
NT2 Inconel 671
NT1 Alloy-Ni53Cr19Fe19Nb5Mo3
NT2 Inconel 718
NT1 Alloy-Ni59Cr30Fe9
NT2 Inconel 690
NT1 Alloy-Ni60Cr25W15
NT1 Alloy-Ni61Cr22Mo9Nb4Fe3
NT2 Inconel 625
NT1 Alloy-Ni70Mo17Cr7Fe5
NT2 Hastelloy N
NT2 Inor-8
NT1 Alloy-Ni73Cr20Mn3Nb3
NT2 Inconel 82
NT1 Alloy-Ni74Cr13Al6Mo4
NT2 Inconel 713C
NT1 Alloy-Ni75Cr12Al6Mo5
NT2 Inconel 713LC
NT1 Alloy-Ni76Cr15Fe8
NT2 Inconel 600
NT1 Alloy-Ni78Cr16Al4
NT2 Inconel 702
NT1 Alloy-Ni78Cr21
NT1 Duranickel
NT1 Steel-Cr15Ni15MoTiB
NT1 Steel-Cr17Ni13Mo2Ti
NT1 Steel-Cr17Ni13Mo3Ti
NT1 Steel-Cr18Ni9Ti
NT1 Steel-Cr18Ni10Ti
NT2 Stainless Steel-321
NT1 Steel-Cr21Ni5Ti
NT1 Steel-Cr22Ni5Ti
NT1 Steel-Ni17Cr14MoTi-L

TITANIUM ALLOYS [01]
DA December 1, 1974
BT1 Alloys
NT1 Alloy-B-1900
NT1 Alloy-C-103
NT1 Alloy-D-979
NT1 Alloy-IN-853
NT1 Alloy-Mar-M246
NT1 Alloy-N28T3
NT1 Alloy-Ni41Fe40Cr16Nb3
NT2 Inconel 706
NT1 Alloy-Ni42Fe36Cr12Mo6Ti3
NT2 Incoloy 901
NT1 Alloy-Ni43Fe33Cr16Mo3
NT2 Nimonic PE16
NT1 Alloy-Ni46Cr23Co19Ti5Al4
NT2 Alloy-IN-939
NT1 Alloy-Ni48Co28Cr15Al3Mo3Ti2
NT2 Inconel 700
NT1 Alloy-Ni50Co20Cr15Al5Mo5
NT2 Nimonic 105
NT1 Alloy-Ni53Co19Cr15Mo5Al4Ti3
NT2 Udimet 700
NT1 Alloy-Ni55Co17Cr15Mo5Al4Ti4
NT2 Astroloy
NT1 Alloy-Ni55Cr19Co11Mo10Ti3
NT2 Rene 41
NT1 Alloy-Ni56Cr21W10Mo5Fe4Al2
NT1 Alloy-Ni58Cr14Co8Al4Mo4Nb4W4
NT2 Rene 95
NT1 Alloy-Ni58Cr20Co14Mo4Ti3
NT2 Waspaloy
NT1 Alloy-Ni59Cr20Co17Ti2
NT2 Nimonic 90
NT1 Alloy-Ni60Co15Cr10Al6Ti5Mo3
NT2 Alloy-IN-100
NT1 Alloy-Ni60Cr14Co10Ti5Mo4W4Al3
NT2 Rene 80
NT1 Alloy-Ni60Mo13Co9Cr8Nb4Al3
NT1 Alloy-Ni61Cr16Co9Al3Ti3W3
NT2 Alloy-IN-738
NT1 Alloy-Ni67Cr19Mo5W5Ti3
NT1 Alloy-Ni68Cr15W6Al3Mo3Fe2
NT1 Alloy-Ni73Cr15Fe7Ti3
NT2 Inconel X750
NT1 Alloy-Ni76Cr20Ti2
NT2 Nimonic 80A
NT1 Alloy-Ni77Cr20Ti2
NT1 Alloy-NT25A5
NT1 Astroloy
NT1 Carboloy
NT1 Discaloy
NT1 Konel
NT1 Ni-O-Nel
NT1 Nitinol
NT1 Rene 41
NT1 Rene 80
NT1 Rene 95
NT1 Rene-100
NT1 Stainless Steel-JBK-75
NT1 Steel-Cr11Ni10Mo2Ti-L
NT1 Steel-Ni35Cr18Mo4Ti2Al
NT2 Alloy-M-813
NT1 Steel-Ni36Cr12Ti3Al-L
NT1 Tikonal
* NT1 Titanium Additions
* NT1 Titanium Base Alloys
NT1 Transage 129
NT1 Udimet Alloys
NT2 Udimet 500
NT2 Udimet 700
NT1 Waspaloy

TITANIUM-ALPHA [01]
DA December 1, 1974
BT1 Titanium
BT2 Transition Elements
BT3 Metals
BT4 Elements

Titanium Arsenides
(Prior to January 1993, this was a valid descriptor.)
DA June 14, 1984
USE Arsenides
AND Titanium Compounds

TITANIUM BASE ALLOYS [01]
DA December 1, 1974
UF *Alloy-60T*
UF *Alloy-VTZ-1*
SF *Alloy-Ts5*
BT1 Titanium Alloys
BT2 Alloys
NT1 Alloy-Ti78Cr11Mo7Al3
NT1 Alloy-Ti88Mo8Al3
NT1 Alloy-Ti89Al6Mo3
NT1 Alloy-Ti90Al6
NT1 Alloy-Ti90Al6Mo3
NT1 Alloy-Ti90Al6V4
NT1 Alloy-Ti90Mo7Al2
NT1 Alloy-Ti91Al4Mo3
NT1 Alloy-Ti91Al5Cr2
NT1 Alloy-Ti99
NT1 Alloy-VT30
NT1 Transage 117
NT1 Transage 120
NT1 Transage 134
NT1 Transage 175

TITANIUM-BETA [01]
DA December 1, 1974
BT1 Titanium
BT2 Transition Elements
BT3 Metals
BT4 Elements

TITANIUM BORIDES [01]
DA December 1, 1974
BT1 Borides
BT2 Boron Compounds
BT1 Titanium Compounds
BT2 Transition Element Compounds

TITANIUM BROMIDES [01]
DA December 1, 1974
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Titanium Compounds
BT2 Transition Element Compounds

TITANIUM CARBIDES [01]
DA December 1, 1974
BT1 Carbides
BT2 Carbon Compounds
BT1 Titanium Compounds
BT2 Transition Element Compounds

TITANIUM CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Titanium Compounds
BT2 Transition Element Compounds

TITANIUM COMPLEXES [01]
DA December 1, 1974
BT1 Transition Element Complexes
BT2 Complexes

TITANIUM COMPOUNDS [01]
DA December 1, 1974
UF+ *Titanium Arsenides*
BT1 Transition Element Compounds
NT1 Titanates
NT2 Cadmium Titanates
NT2 PLZT
NT2 PZT
NT2 Strontium Titanates
NT1 Titanium Borides
NT1 Titanium Bromides
NT1 Titanium Carbides
NT1 Titanium Chlorides
NT1 Titanium Fluorides
NT1 Titanium Hydrides
NT1 Titanium Hydroxides
NT1 Titanium Iodides
NT1 Titanium Nitrates
NT1 Titanium Nitrides
NT1 Titanium Oxides
NT2 Lodochnikite
NT2 Marignacite
NT1 Titanium Phosphates
NT1 Titanium Phosphides
NT1 Titanium Selenides
NT1 Titanium Silicates
NT1 Titanium Silicides
NT1 Titanium Sulfates
NT1 Titanium Sulfides
NT1 Titanium Tellurides
NT1 Titanium Tungstates

TITANIUM FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds

BT1 Titanium Compounds
BT2 Transition Element Compounds

TITANIUM HYDRIDES [01]
DA December 1, 1974
BT1 Hydrides
BT2 Hydrogen Compounds
BT1 Titanium Compounds
BT2 Transition Element Compounds

TITANIUM HYDROXIDES [01]
DA December 1, 1974
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds
BT1 Titanium Compounds
BT2 Transition Element Compounds

TITANIUM IODIDES [01]
DA December 1, 1974
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds
BT1 Titanium Compounds
BT2 Transition Element Compounds

TITANIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

TITANIUM ISOTOPES [01]
DA December 1, 1974
BT1 Isotopes
NT1 Titanium 39
NT1 Titanium 40
NT1 Titanium 41
NT1 Titanium 42
NT1 Titanium 43
NT1 Titanium 44
NT1 Titanium 45
NT1 Titanium 46
NT1 Titanium 47
NT1 Titanium 48
NT1 Titanium 49
NT1 Titanium 50
NT1 Titanium 51
NT1 Titanium 52
NT1 Titanium 53
NT1 Titanium 54
NT1 Titanium 55
NT1 Titanium 56
NT1 Titanium 57

TITANIUM NITRATES [01]
DA December 1, 1974
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds
BT1 Titanium Compounds
BT2 Transition Element Compounds

TITANIUM NITRIDES [01]
DA December 1, 1974
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides
BT1 Titanium Compounds
BT2 Transition Element Compounds

→**TITANIUM ORES [01]**
DA September 14, 1992
BT1 Ores

TITANIUM OXIDES [01]
DA December 1, 1974
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds
BT1 Titanium Compounds
BT2 Transition Element Compounds
NT1 Lodochnikite
NT1 Marignacite
RT Aeschynite
RT Brannerite
RT Hollandite
RT Ilmenite
RT Oxide Minerals
RT Perovskite
RT Rutile
RT Titanates
RT Zirconolite

TITANIUM PHOSPHATES [01]
DA December 1, 1974
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds
BT1 Titanium Compounds
BT2 Transition Element Compounds

TITANIUM PHOSPHIDES [01]
DA December 13, 1985
BT1 Phosphides
BT2 Phosphorus Compounds
BT2 Pnictides
BT1 Titanium Compounds
BT2 Transition Element Compounds

TITANIUM SELENIDES [01]
DA February 15, 1978
BT1 Selenides
BT2 Chalcogenides
BT2 Selenium Compounds
BT1 Titanium Compounds
BT2 Transition Element Compounds

TITANIUM SILICATES [01]
DA December 1, 1974
BT1 Silicates
BT2 Oxygen Compounds
BT2 Silicon Compounds
BT1 Titanium Compounds
BT2 Transition Element Compounds
RT Silicate Minerals
RT Titanite

TITANIUM SILICIDES [01]
DA January 22, 1975
BT1 Silicides
BT2 Silicon Compounds
BT1 Titanium Compounds
BT2 Transition Element Compounds

TITANIUM SULFATES [01]
DA December 1, 1974
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds
BT1 Titanium Compounds
BT2 Transition Element Compounds

TITANIUM SULFIDES [01]
DA December 1, 1974
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds
BT1 Titanium Compounds
BT2 Transition Element Compounds

TITANIUM TELLURIDES [01]
DA September 11, 1978
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds
BT1 Titanium Compounds
BT2 Transition Element Compounds

TITANIUM TUNGSTATES [01]
DA January 22, 1975
BT1 Titanium Compounds
BT2 Transition Element Compounds
BT1 Tungstates

TITRATION [01]
DA December 1, 1974
NT1 Amperometry
NT1 Iodometry
NT1 Potentiometry
NT1 Thermometric Titration
RT Acid Neutralizing Capacity
RT Potentiostats
RT Quantitative Chemical Analysis

TIWI GEOTHERMAL FIELD [01]
DA July 23, 1977
BT1 Geothermal Fields
RT Philippines

→**TJ-1 TOKAMAK [01]**
DA September 13, 1991
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

TLATELOLCO TREATY [01]
DA January 26, 1976
BT1 Treaties
RT Rarotonga Treaty

TLD (Dosemeters)
DA December 1, 1974
USE Thermoluminescent Dosemeters

TLD (Dosimetry)
DA December 1, 1974
USE Thermoluminescent Dosimetry

TLD Systems
DA December 1, 1974
USE Thermoluminescent Dosemeters

TLM CONFIGURATIONS [01]
DA October 1, 1975
BT1 Magnetic Mirror Configurations
BT2 Open Configurations
BT3 Magnetic Field Configurations
RT Tandem Mirrors

TLP DEVICES [01]
DA December 1, 1974
UF *Longitudinal Pinch Devices (Toroidal)*
UF *Toroidal Longitudinal Pinch Device*
BT1 Toroidal Pinch Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices
BT2 Pinch Devices
BT3 Thermonuclear Devices
NT1 Alpha Device
NT1 Zeta Devices
RT Longitudinal Pinch

TMPN
(2,2,6,6-tetramethyl-4-piperidinol-N-oxyl.)
DA January 15, 1980
USE Hydroxy Compounds
AND Organic Oxygen Compounds
AND Piperidines

TMR REACTORS [01]
DA April 27, 1978
UF *Tandem Mirror Type Reactors*
SF *Tandem Mirror Devices*
BT1 Magnetic Mirror Type Reactors
BT2 Thermonuclear Reactors
RT Tandem Mirrors

TMTSF [01]
DA April 7, 1983
UF *Tetramethyltetraselenafulvalene*
BT1 Heterocyclic Compounds
BT2 Organic Compounds
BT1 Organic Superconductors
BT2 Superconductors
BT1 Selenium Compounds
RT Superconductors

TMX DEVICES [01]
DA August 25, 1977
SF *Tandem Mirror Devices*
BT1 Tandem Mirrors
BT2 Magnetic Mirrors
BT3 Open Plasma Devices
BT4 Thermonuclear Devices
RT Magnetic Mirror Type Reactors
RT Thermal Barriers
DEF Tandem mirror experiment at LLL.

TNA [01]
DA December 1, 1974
UF *Trinonylamine*
BT1 Amines
BT2 Organic Compounds
BT1 Chelating Agents

TNP
(2,4,6-Trinitro Phenol.)
DA December 1, 1974
USE Picric Acid

TNS REACTORS [01]
(The next logical tokamak confinement device beyond TFTR.)
DA March 3, 1978
UF *The Next Step Device*
BT1 Tokamak Type Reactors
BT2 Thermonuclear Reactors

TNT [01]
DA December 1, 1974
UF *Trinitrotoluene*
BT1 Chemical Explosives
BT2 Explosives
BT1 Nitro Compounds
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
RT Toluene

TNT-A TOKAMAK [01]
DA April 9, 1985
UF *Tokyo Non-Circular Tokamak*
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

TNTR-Kiwi
DA December 1, 1974
USE Kiwi-TNT Reactor

TOA [01]
DA December 1, 1974
UF *Trioctylamine*
BT1 Amines
BT2 Organic Compounds
BT1 Chelating Agents

TOADS [01]
DA September 19, 1977
BT1 Amphibians
BT2 Aquatic Organisms
BT2 Vertebrates
BT3 Animals
RT Frogs

TOBACCO [01]
DA December 1, 1974
RT Crops
RT Nicotiana

TOBACCO MOSAIC VIRUS [01]
DA December 1, 1974
BT1 Viruses
BT2 Microorganisms
BT2 Parasites
RT Plant Diseases

Tobacco Plant
DA December 1, 1974
USE Nicotiana

TOBACCO PRODUCTS
DA January 27, 1975
SF *Cigarettes*
RT Nicotiana
RT Tobacco Smokes

TOBACCO SMOKES [01]
DA April 22, 1975
BT1 Smokes
BT2 Aerosols
BT3 Sols
BT4 Colloids
BT5 Dispersions
BT2 Residues
RT Tobacco Products

Tocopherols
DA December 1, 1974
USE Vitamin E

TOGGLE OPERATION
DA November 23, 1979
BT1 Nuclear Explosions
BT2 Explosions
BT1 Underground Explosions
BT2 Explosions
NT1 Almendro Event
NT1 Rio Blanco Event
RT Contained Explosions

TOGO [01]
DA August 12, 1980
BT1 Africa
BT1 Developing Countries

Tohoku-1 Reactor
DA December 1, 1974
USE Onagawa-1 Reactor

Tohoku Cyclotron
DA March 24, 1983
USE CYRIC Cyclotron

TOILETS
DA June 21, 1977
RT Residential Buildings

TOKAI-2 REACTOR [01]
(Tokaimura, IBaraki, Japan)
DA January 24, 1975
UF *JAPCO-3 Reactor*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

Tokai-Mura Fast Critical Assembly
DA December 1, 1974
USE FCA Reactor

TOKAI-MURA REACTOR [01]
DA January 24, 1975
UF *JAPCO-1 Reactor*
BT1 Carbon Dioxide Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Magnox Type Reactors
BT2 GCR Type Reactors
BT3 Gas Cooled Reactors
BT4 Reactors
BT3 Graphite Moderated Reactors
BT4 Reactors
BT2 Natural Uranium Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

Tokamak Chaufage Alfven
DA May 8, 1984
USE TCA Tokamak

Tokamak de Varennes
DA September 15, 1983
USE Varennes Tokamak

TOKAMAK DEVICES [01]
DA December 1, 1974
BT1 Closed Plasma Devices
BT2 Thermonuclear Devices
NT1 ACT Devices
NT1 Aditya Tokamak
NT1 Alcator Device
NT1 Asdex Tokamak
NT1 ATC Devices
NT1 Castor Tokamak
NT1 Columbia High-Beta Tokamak
NT1 Compact Ignition Tokamak
NT1 Continuous Current Tokamak
NT1 CT-6B Tokamak
NT1 Dante Tokamak
NT1 DITE Tokamak
NT1 Doublet-1 Device
NT1 Doublet-2 Device
NT1 Doublet-3 Device
NT1 ETF Tokamak
NT1 FT Tokamak
NT1 HL-1 Tokamak
NT1 HT-6B Tokamak
NT1 HT-6M Tokamak
NT1 Hybtok Tokamaks
NT1 Ignition Spherical Torus
NT1 INTOR Tokamak
NT1 ISX Tokamak
NT1 ITER Tokamak
NT1 JET Tokamak
NT1 JFT-2 Tokamak
NT1 JFT-2A Tokamak
NT1 JFT-2M Tokamak
NT1 JIPPT-2 Device
NT1 JT-60 Tokamak
NT1 JT-60U Tokamak
NT1 JXFR Tokamak
NT1 LT-3 Tokamak
NT1 LT-4 Tokamak
NT1 MT-1 Tokamak
NT1 MTX Tokamak
NT1 NET Tokamak
NT1 Ormak Devices
NT1 PBX Devices
NT1 PDX Devices
NT1 Petula Tokamak
NT1 PLT Devices
NT1 Pulsator Devices
NT1 RTP Tokamak
NT1 Smartor Device
NT1 Spheromak Devices
NT2 CTX Spheromak
NT1 ST Tokamak
NT1 Starfire Tokamak
NT1 STX Devices
NT1 Surmac Tokamak
NT1 T-10 Tokamak
NT1 T-14 Tokamak
NT1 T-15 Tokamak
NT1 T-7 Tokamak
NT1 TBR Tokamak
NT1 TCA Tokamak
NT1 TEXT Devices
NT1 TEXTOR Tokamak
NT1 TFR Tokamak
NT1 TFTR Tokamak
NT1 TIBER-X Tokamak
NT1 TJ-1 Tokamak
NT1 TNT-A Tokamak
NT1 Tokapole Devices
NT1 Tokoloshe Tokamak
NT1 Tore Supra Tokamak
NT1 Tormac Devices
NT1 Tortus Tokamak
NT1 Torus-II Tokamak
NT1 Tosca Tokamak
NT1 Triam-1 Tokamak
NT1 Tuman Devices
NT1 Two-Component Torus
NT1 UWMAK Devices
NT1 Varennes Tokamak
NT1 Versator Tokamak
NT1 WT-3 Tokamak
RT Banana Regime
RT Flux Conserving Tokamaks
RT H-Mode Plasma Confinement
RT Magnetic Surfaces
RT MARFE
RT Mode Rational Surfaces
RT Pfirsch-Schlueter Regime
RT Plasma Disruption
RT Plasma Radial Profiles
RT Plateau Regime
RT Sawtooth Oscillations
RT Tokamak Type Reactors

Tokamak ETF
(Prior to July 1985, this was a valid descriptor and older material is so indexed.)
DA December 17, 1979
USE ETF Tokamak

Tokamak Fontenay-Aux-Roses
DA December 1, 1974
USE TFR Tokamak

Tokamak Fusion Core Experiment
DA October 24, 1984
USE TFCX Reactors

Tokamak Fusion Test Reactor
DA September 11, 1975
USE TFTR Tokamak

Tokamak Model ST
DA December 1, 1974
USE ST Tokamak

TOKAMAK TYPE REACTORS
DA September 15, 1976
BT1 Thermonuclear Reactors
NT1 Compact Ignition Tokamak

NT1 Doublet Reactors
NT1 TENTOK Reactors
NT1 TFCX Reactors
NT1 TNS Reactors
RT Tokamak Devices

TOKAPOLE DEVICES [01]
DA December 11, 1978
BT1 Internal Ring Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

→**TOKOLOSHE TOKAMAK [01]**
(Pelindaba, Pretoria, South Africa.)
DA April 9, 1991
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

Tokyo-1 Reactor
DA December 1, 1974
USE Fukushima-1 Reactor

Tokyo-2 Reactor
DA December 1, 1974
USE Fukushima-2 Reactor

Tokyo-3 Reactor
DA December 1, 1974
USE Fukushima-3 Reactor

Tokyo-4 Reactor
DA December 1, 1974
USE Fukushima-4 Reactor

Tokyo-Denryoku K-2 Reactor
DA May 7, 1985
USE Kashiwazaki-Kariwa-2 Reactor

TOKYO INS CYCLOTRON [01]
(Institute for Nuclear Studies, University of Tokyo.)
DA March 24, 1983
BT1 Isochronous Cyclotrons
BT2 Cyclotrons
BT3 Cyclic Accelerators
BT4 Accelerators

Tokyo Non-Circular Tokamak
DA April 9, 1985
USE TNT-A Tokamak

TOKYO SYNCHROTRON [01]
(1.3-Gev electron synchrotron.)
DA December 1, 1974
BT1 Synchrotrons
BT2 Cyclic Accelerators
BT3 Accelerators

TOLAN [01]
DA December 1, 1974
UF *Phenylacetylene*
BT1 Aromatics
BT2 Organic Compounds
BT1 Hydrocarbons
BT2 Organic Compounds

TOLERANCE [01]
DA August 24, 1976
RT Accuracy
RT Biological Adaptation
RT Errors
RT Hysteresis
RT Quality Control

Toller Poles
DA December 1, 1974
USE Lorentz Poles

TOLUENE [01]
DA December 1, 1974
UF *Methylbenzene*
BT1 Alkylated Aromatics
BT2 Aromatics
BT3 Organic Compounds
BT1 Hydrocarbons
BT2 Organic Compounds
RT TNT
RT Toluidines

TOLUIDINE BLUE [01]
DA December 1, 1974
BT1 Azo Dyes
BT2 Azo Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
BT2 Dyes
RT Toluidines

TOLUIDINES [01]
DA December 1, 1974
UF *Aminotoluenes*
UF *Tolylamines*
BT1 Amines
BT2 Organic Compounds
RT Toluene
RT Toluidine Blue

Toluylene Red
DA December 1, 1974
USE Neutral Red

TOLYL RADICALS [01]
DA December 1, 1974
BT1 Aryl Radicals
BT2 Radicals

Tolylamines
DA December 1, 1974
USE Toluidines

TOMARI-1 REACTOR [01]
(Tomari, Hokkaido, Japan.)
DA October 16, 1989
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

TOMARI-2 REACTOR [01]
(Tomari, Hokkaido, Japan.)
DA December 8, 1989
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

TOMATOES [01]
DA December 1, 1974
BT1 Fruits
BT2 Food

TOMOGRAPHY [01]
DA December 1, 1974
UF *Laminography*
BT1 Diagnostic Techniques
NT1 Compton Scattering Tomography
NT1 Computerized Tomography
NT2 CAT Scanning
NT2 Emission Computed Tomography
NT3 ECAT Scanning
NT3 Positron Computed Tomography
NT3 Single Photon Emission Computed Tomography
NT2 Photon Computed Tomography
NT2 Proton Computed Tomography
NT1 Grazing Incidence Tomography
RT Biomedical Radiography
RT Collimators
RT Focusing
RT Radioisotope Scanning

TOMONAGA APPROXIMATION [01]
DA December 1, 1974
UF *Intermediate Coupling Approximation*
RT Intermediate Coupling

TOMSK SYNCHROTRON [01]
DA December 1, 1974
UF *Sirius Synchrotron*
BT1 Synchrotrons
BT2 Cyclic Accelerators
BT3 Accelerators

TONGONAN GEOTHERMAL FIELD [01]
DA September 6, 1979
BT1 Geothermal Fields
RT Philippines

TONGUE [01]
DA December 1, 1974
BT1 Oral Cavity
BT2 Digestive System
BT1 Organs
BT2 Body
RT Muscles

TONKS-DATTNER RESONANCE
DA May 15, 1975
BT1 Resonance
RT Plasma Waves

Tonks-Langmuir Oscillations
DA December 1, 1974
USE Tonks-Langmuir Theory

TONKS-LANGMUIR THEORY [01]
DA December 1, 1974
UF *Tonks-Langmuir Oscillations*
RT Plasma Waves

TONOPAH TEST RANGE [01]
DA August 19, 1975
BT1 Test Facilities
RT Nevada

Tonsils
DA December 1, 1974
USE Lymphatic System
AND Pharynx

TOOLS [01]
(Not for EDUCATIONAL TOOLS.)
DA December 1, 1974
NT1 Cutting Tools
NT1 Machine Tools
NT2 Grinding Machines
NT2 Lathes
NT2 Milling Machines
RT Machining
RT Presses

Tools (Educational)
DA November 8, 1980
USE Educational Tools

Top Accidents
DA March 29, 1979
USE Transient Overpower Accidents

TOP PARTICLES [01]
DA August 9, 1985
BT1 Postulated Particles
BT2 Elementary Particles
RT Beauty Particles
RT Flavor Model
RT Toponium
DEF Particles with T quantum number not = 0.

Top Quark Model
DA November 7, 1979
USE Truth Model

TOPAZ REACTOR [01]
DA December 1, 1974
BT1 Experimental Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Hydride Moderated Reactors
BT2 Reactors
BT1 Power Reactors
BT2 Reactors

RT Hydride Moderators
RT Thermionic Converters

TOPHET
DA December 1, 1974
BT1 Chromium Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Nickel Base Alloys
BT2 Nickel Alloys
BT3 Alloys

TOPO [01]
DA December 1, 1974
UF *Trioctylphosphine Oxide*
BT1 Organic Phosphorus Compounds
BT2 Organic Compounds
BT1 Phosphine Oxides
BT2 Oxygen Compounds
BT2 Phosphines
BT3 Phosphorus Compounds

TOPOGRAPHY [01]
DA December 1, 1974
RT Complex Terrain
RT Dunes
RT Earth Planet
RT Lineaments
RT Maps
RT Site Characterization
RT Submarine Canyons

TOPOLOGICAL FOLIATION [01]
DA June 16, 1975
RT Differential Topology
RT Smooth Manifolds
RT Surfaces

TOPOLOGICAL MAPPING [01]
DA December 1, 1974
UF *Mapping (Topological)*
BT1 Mapping
BT1 Transformations
NT1 Conformal Mapping
RT Mapping Fibration
RT Mathematical Manifolds
RT Topology

TOPOLOGY [01]
DA December 1, 1974
BT1 Mathematics
NT1 Differential Topology
RT Cobordism Theory
RT Dimensions
RT Fractals
RT Global Analysis
RT Invariant Imbedding
RT Mathematical Manifolds
RT Topological Mapping

TOPONIUM [01]
DA December 11, 1985
BT1 Mesons
BT2 Bosons
BT2 Hadrons
BT3 Elementary Particles
BT1 Quarkonium
RT Bound State
RT Flavor Model
RT Top Particles
RT Truth Model
DEF A bound state of top and anti-top quarks.

TOPPING CYCLES
DA January 24, 1975
RT Thermodynamic Cycles

TOPR Reactor
DA December 1, 1974
USE THOR Reactor

TOPS [01]
DA December 1, 1974
UF *Trioctylphosphine Sulfide*
BT1 Organic Phosphorus Compounds
BT2 Organic Compounds
BT1 Organic Sulfur Compounds
BT2 Organic Compounds

TOPSOE-SNPA PROCESS
DA December 22, 1977
BT1 Desulfurization
BT2 Chemical Reactions
RT Waste Processing
DEF Dry catalytic oxidation and reduction process for treating Claus tail gas.

TOR DEVICES
DA May 15, 1975
BT1 Stellarators
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

TORBANITE
DA January 28, 1975
BT1 Boghead Coal
BT2 Sapropelic Coal
BT3 Coal
BT4 Carbonaceous Materials
BT5 Materials
BT4 Fossil Fuels
BT5 Energy Sources
BT5 Fuels
RT Minerals

TORBERNITE [01]
DA December 1, 1974
BT1 Phosphate Minerals
BT2 Minerals
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
RT Copper Phosphates
RT Uranium Phosphates

TORE Supra
(Prior to July 1985, this was a valid descriptor and older material is so indexed.)
DA March 24, 1983
USE Tore Supra Tokamak

TORE SUPRA TOKAMAK [01]
DA July 7, 1983
UF *TORE Supra*
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

TORI [01]
DA December 1, 1974
NT1 Compact Torus
NT2 Field-Reversed Theta Pinch Devices
NT2 Rotamak Devices
RT Annular Space
RT Aspect Ratio
RT Rings
RT Rotational Transform
RT Toroidal Configuration

TORMAC DEVICES [01]
DA July 29, 1975
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

TORNADO DEVICES [01]
DA December 1, 1974
BT1 Internal Ring Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

TORNADO TURBINES
DA June 2, 1977
BT1 Vertical Axis Turbines
BT2 Wind Turbines
BT3 Turbines
BT4 Turbomachinery
BT5 Machinery
BT6 Equipment
RT Solar Chimneys
DEF Grumman Aerospace Corp. name for vertical axis turbine in bottom of vertical slotted cylinder with large air intake beneath cylinder.

TORNADOES [01]
DA December 1, 1974
BT1 Storms
BT2 Disasters
BT1 Wind
RT Turbulence
RT Weather

TORNESS REACTOR [01]
(Dunbar, East Lothian, UK)
DA March 13, 1981
BT1 AGR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 GCR Type Reactors
BT3 Gas Cooled Reactors
BT4 Reactors
BT3 Graphite Moderated Reactors
BT4 Reactors
BT1 Carbon Dioxide Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

TOROIDAL CONFIGURATION [01]
DA December 1, 1974
BT1 Annular Space
BT2 Configuration
BT2 Space
BT1 Closed Configurations
BT2 Magnetic Field Configurations
RT Compact Torus
RT Tori

TOROIDAL FIELD DIVERTORS [01]
DA September 18, 1989
BT1 Divertors
RT Bundle Divertors
DEF Divertors that displace the toroidal field lines to form a separatrix in the toroidal field.

Toroidal Longitudinal Pinch Device
DA December 1, 1974
USE TLP Devices

TOROIDAL PINCH DEVICES [01]
DA December 1, 1974
UF *Toroidal Pinch Type Reactors*
BT1 Closed Plasma Devices
BT2 Thermonuclear Devices
BT1 Pinch Devices
BT2 Thermonuclear Devices
NT1 TLP Devices
NT2 Alpha Device
NT2 Zeta Devices
NT1 Toroidal Screw Pinch Devices
NT2 HBTX Devices
NT2 STP-3M Device
NT2 TPE-2 Device
NT1 Toroidal Theta Pinch Devices
NT2 Scyllac Devices
NT1 TPE-1RM15 Device
RT Banana Regime

Toroidal Pinch Type Reactors
(Prior to July 1985, this was a valid descriptor and older material is so indexed.)
DA September 15, 1976
USE Toroidal Pinch Devices

TOROIDAL SCREW PINCH DEVICES [01]
DA December 1, 1974
BT1 Toroidal Pinch Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices
BT2 Pinch Devices
BT3 Thermonuclear Devices
NT1 HBTX Devices
NT1 STP-3M Device

NT1 TPE-2 Device
RT Screw Pinch

TOROIDAL THETA PINCH DEVICES [01]
DA December 1, 1974
BT1 Toroidal Pinch Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices
BT2 Pinch Devices
BT3 Thermonuclear Devices
NT1 Scyllac Devices
RT Reference Theta Pinch Reactor
RT Theta Pinch

TORQUE [01]
DA December 1, 1974
RT Torsion

Torrey Pines TRIGA-Mark-3 Reactor
DA December 1, 1974
USE TRIGA-3-La Jolla Reactor

TORSATRON STELLARATORS [01]
(Prior to August 1991 this was spelled TORSATRON STELLARATOR.)
DA May 6, 1975
BT1 Stellarators
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices
NT1 ATF Torsatron
NT1 CHS Torsatron
NT1 Vint Torsatron
RT Heliotron

TORSION [01]
DA December 1, 1974
RT Deformation
RT Springs
RT Torque

→**TORTUS TOKAMAK [01]**
(Sydney University, Sydney, Australia.)
DA April 9, 1991
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

TORULA [01]
DA December 1, 1974
UF *Torulopsis*
BT1 Yeasts
BT2 Eumycota
BT3 Fungi
BT4 Plants
BT2 Microorganisms

Torulopsis
DA December 1, 1974
USE Torula

TORUS-II TOKAMAK [01]
(Device to be built within the EURATOM-CEA Association.)
DA April 13, 1977
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

TORY-2A REACTOR [01]
DA December 1, 1974
SF *Experimental Propulsion Test Reactor*
BT1 Air Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Experimental Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Propulsion Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors

TORY-2C REACTOR [01]
DA December 1, 1974
SF *Experimental Propulsion Test Reactor*
BT1 Air Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Experimental Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Propulsion Reactors
BT2 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors

TOSBAC COMPUTERS [01]
DA June 12, 1975
BT1 Computers

TOSCA TOKAMAK [01]
DA July 9, 1987
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

TOSCO-DYNE PROCESS
DA January 30, 1979
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes
RT Combined-Cycle Power Plants
RT Toscoal Process
DEF Coal is pyrolyzed to intermediate Btu gas, liquid product, and char; the char is converted to low Btu gas in fluidized bed gasifier.

TOSCO PROCESS
DA January 28, 1975
RT Oil Shales
DEF Crushed raw shale preheated to approx. 400°F is transported to a pyrolysis drum and mixed with ceramic balls preheated to approx. 1100°. When shale reaches a temperature of approx. 900°F, conversion of the kerogen to hydrocarbon vapors is substantially complete. Pyrolysis vapors are then condensed, fractionated and piped to upgrading facility for refining.

TOSCOAL PROCESS
DA January 24, 1975
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes
RT Tosco-Dyne Process
DEF The Oil Shale Corporation pyrolysis process that produces char with a high heating value plus oil and gas. Hot ceramic balls are used as a heat source.

TOSHIBA REACTOR [01]
DA December 1, 1974
UF *Toshiba Training Reactor*
UF *TTR-1 Toshiba Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors

Toshiba Training Reactor
DA December 1, 1974
USE Toshiba Reactor

Total-Absorption Spectrometers
DA April 29, 1975
USE Shower Counters

TOTAL CROSS SECTIONS [01]
DA December 1, 1974
BT1 Cross Sections
RT Excitation Functions
RT Pomeranchuk Theorem

TOTAL ENERGY SYSTEMS [01]
DA February 19, 1975
UF *Integrated Utility Systems*
UF *IUS*
BT1 Energy Systems
RT Cogeneration
RT Combined Cycles
RT DEUS
RT Energy Cascade
RT Energy Conservation
RT Energy Consumption
RT ICES Program
RT IEUS
RT MIUS
RT Steam Generation Plants

TOTAL FLOW SYSTEMS
DA May 5, 1975
BT1 Energy Systems
RT Geothermal Energy Conversion
RT Geothermal Power Plants
RT Rotary Separator Turbines
RT Steam
RT Thermodynamic Cycles
RT Water
DEF A system in which the total hot well head brine-steam mixture is passed through a mixed-phase expander to drive a turbine and an electric generating system.

TOTAL SUSPENDED PARTICULATES [01]
DA May 18, 1981
UF *TSP*
BT1 Particulates
BT2 Particles
RT Aerosols
RT Air Pollution
RT Dispersions

Toughness (Fracture)
DA December 1, 1974
USE Fracture Properties

TOURISM
DA June 6, 1980
RT Hotels
RT Industry
RT Recreational Areas
RT Transport

TOURMALINE [01]
DA December 1, 1974
BT1 Silicate Minerals
BT2 Minerals
RT Aluminium Silicates
RT Boron Silicates
RT Dielectric Track Detectors

TOWER FOCUS COLLECTORS
DA January 28, 1975
BT1 Concentrating Collectors
BT2 Solar Collectors
BT3 Solar Equipment
BT4 Equipment
RT Advanced Components Test Facility
RT Central Receiver Test Facility
RT Tower Focus Power Plants

TOWER FOCUS POWER PLANTS
DA September 11, 1975
UF *Central Receiver Power Plants*
BT1 Solar Thermal Power Plants
BT2 Solar Power Plants
BT3 Power Plants
BT2 Thermal Power Plants
BT3 Power Plants
NT1 Barstow Solar Pilot Plant
NT1 Eurelios Solar Power Plant
RT Advanced Components Test Facility
RT Central Receiver Test Facility
RT Central Receivers
RT Tower Focus Collectors

Tower Shielding Reactor-1
DA December 1, 1974
USE TSR-1 Reactor

Tower Shielding Reactor-2
DA December 1, 1974
USE TSR-2 Reactor

Towers
(Prior to August 1981, this concept was indexed to MECHANICAL STRUCTURES. From August 1981 to June 1992 this was a valid descriptor.)
DA August 21, 1981
SEE Cooling Towers
OR Mechanical Structures
OR Power Transmission Towers

Towers (Extraction)
DA December 1, 1974
USE Extraction Columns

TOWN GAS [01]
(450 to 550 Btu/ft^3.)
DA January 24, 1975
BT1 Intermediate BTU Gas
BT2 Fuel Gas
BT3 Gas Fuels
BT4 Fuels
BT3 Gases
BT4 Fluids
RT Coal Gas
RT JGC Methane-Rich Gas Process
DEF Gas produced by a public utility for general use.

Townsend Avalanche
DA December 1, 1974
USE Townsend Discharge

TOWNSEND DISCHARGE [01]
DA December 1, 1974
UF *Avalanche Multiplication*
UF *Townsend Avalanche*
UF *Townsend Formula*
UF *Townsend Theory*
BT1 Electric Discharges
RT Avalanche Quenching

Townsend Formula
DA December 1, 1974
USE Townsend Discharge

TOWNSEND PROCESS
DA January 27, 1975
BT1 Desulfurization
BT2 Chemical Reactions
DEF Sweetens natural gas by treating it with solution of SO_2 in hygroscopic organic liquid, e.g., diethylene glycol containing no more than 10% H_2O.

Townsend Theory
DA December 1, 1974
USE Townsend Discharge

TOXIC MATERIALS [01]
DA June 21, 1977
BT1 Hazardous Materials
BT2 Materials
NT1 Toxins
NT2 Aflatoxins
NT2 Endotoxins
RT Detoxification
RT Polychlorinated Biphenyls
RT Toxicity
RT Tumor Promoters

Toxic Substances Control Act
DA September 5, 1980
USE Toxic Substances Control Acts

→**TOXIC SUBSTANCES CONTROL ACTS**
(Prior to August 1993 this concept was indexed to TOXIC SUBSTANCES CONTROL ACT.)
DA August 17, 1993
UF *Toxic Substances Control Act*
BT1 Laws
RT Hazardous Materials
RT Legislation

TOXICITY [01]
DA December 1, 1974
RT Acute Exposure
RT Aflatoxins
RT Biological Effects
RT Chronic Exposure
RT Detoxification
RT Dose-Response Relationships
RT Drugs
RT Lethal Doses
RT Mimosine
RT Toxic Materials
RT Toxins
RT Venoms

TOXINS [01]
DA December 1, 197
BT1 Antigens
BT1 Toxic Materials
BT2 Hazardous Materials
BT3 Materials
NT1 Aflatoxins
NT1 Endotoxins
RT Antitoxins
RT Bacteria
RT Clostridium
RT Detoxification
RT Hazardous Materials
RT Radiotoxins
RT Toxicity
RT Toxoids
RT Venoms

TOXOIDS [01]
DA December 16, 1975
RT Antibodies
RT Immune Reactions
RT Immunity
RT Toxins

TPC
(Time Projection Chambers)
DA February 23, 1979
USE Time Projection Chambers

TPE-1RM15 DEVICE [01]
(Electrotechnical Laboratory, Tukuba, Ibaraki.)
DA January 3, 1990
BT1 Toroidal Pinch Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices
BT2 Pinch Devices
BT3 Thermonuclear Devices
RT Reverse-Field Pinch

TPE-2 DEVICE [01]
(Electrotechnical Laboratory, Tukuba, Ibaraki.)
DA January 3, 1990
BT1 Toroidal Screw Pinch Devices
BT2 Toroidal Pinch Devices
BT3 Closed Plasma Devices
BT4 Thermonuclear Devices
BT3 Pinch Devices
BT4 Thermonuclear Devices

TPO [01]
DA December 1, 1974
UF *Triphenylphosphine Oxide*
BT1 Organic Phosphorus Compounds
BT2 Organic Compounds
BT1 Phosphine Oxides
BT2 Oxygen Compounds
BT2 Phosphines
BT3 Phosphorus Compounds
RT Phosphines

TR-0 REACTOR [01]
DA December 1, 1974
UF *Czechoslovak TR-0 Reactor*
UF *Rez TR-0 Reactor*
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

TR-1 REACTOR [01]
(Cekmece Nuclear Research and Training Centre, Turkish Atomic Energy Commission, Istanbul, Turkey.)
DA December 1, 1974
UF *Turkish Reactor-1*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors

→**TR-2 REACTOR [01]**
DA July 30, 1991
UF *Turkish Reactor-2*
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors

TRABECULAR BONE [01]
DA December 1, 1974
BT1 Bone Tissues
BT2 Connective Tissue
BT3 Animal Tissues
BT4 Tissues
BT5 Body
RT Bone Marrow

TRACE AMOUNTS [01]
DA December 1, 1974
UF+ *Trace Elements*
RT Carrier-Free Isotopes
RT Crystal Doping
RT Doped Materials
RT Impurities
RT Inclusions
RT Ion Implantation
RT Microanalysis

Trace Elements
(Use descriptors listed below or specific elements and TRACE AMOUNTS.)
DA December 1, 1974
USE Elements
AND Trace Amounts

TRACER TECHNIQUES [01]
DA December 1, 1974
SF *Radioactive Tracers*
BT1 Isotope Applications
NT1 Dual-Isotope Subtraction Technique
NT1 Isotope Dilution
NT1 Labelled Pool Techniques
NT1 Radioactive Tracer Logging
NT1 Radioimmunodetection
NT2 Radioimmunoassay
NT2 Radioimmunoscintigraphy
NT1 Radioreceptor Assay
RT Autoradiography
RT Biological Markers
RT Crime Detection
RT Diagnosis
RT Diagnostic Techniques
RT Dynamic Function Studies
RT Labelled Compounds
RT Nuclear Medicine
RT Radio-Release Analysis
RT Radionuclide Kinetics
RT Radionuclide Migration
RT Radiopharmaceuticals
RT Renography

TRACHEA [01]
DA December 1, 1974
BT1 Respiratory System
RT Intratracheal Administration
RT Mediastinum

TRACHYTES
DA August 12, 1980
BT1 Volcanic Rocks
BT2 Igneous Rocks
BT3 Rocks
RT Perlite

Track Detectors (Dielectric)
DA December 1, 1974
USE Dielectric Track Detectors

Track Detectors (Gas)
DA December 1, 1974
USE Gas Track Detectors

Track Detectors (Photographic)
DA December 1, 1974
USE Photographic Film Detectors

TRACKLESS VEHICLES
DA June 6, 1979
UF *Free Steered Vehicles*
UF *Shuttle Cars*
BT1 Vehicles

Tracks
DA December 1, 1974
USE Particle Tracks

Tract C-a Prototype Oil Shale Project
DA March 11, 1976
USE Rio Blanco Oil Shale Project

TRADE [01]
DA December 1, 1974
UF *Commerce*
NT1 Exports
NT1 Net Trade
NT1 Nuclear Trade
RT Business
RT Cartels
RT Commercial Sector
RT Competition
RT Economics
RT Embargoes
RT Foreign Exchange Rate
RT Imports
RT International Relations
RT Market
RT Monopolies
RT Oil-Importing Countries
RT Receipts
RT Sales
RT Small Businesses
RT Supply and Demand
RT Tariffs
RT Taxes

Trade (Nuclear)
DA March 3, 1978
USE Nuclear Trade

TRADESCANTIA [01]
DA December 1, 1974
BT1 Liliopsida
BT2 Magnoliophyta
BT3 Plants

TRAFFIC CONTROL [01]
DA January 23, 1978
BT1 Control
RT Vehicles
DEF Control of vehicular traffic such as priority highway lanes, stoplight control, or rapid-transit train control.

TRAILERS
DA February 11, 1982
RT Automobiles
RT Trucks

TRAINING [01]
DA October 7, 1980
UF *Job Training*
UF *Vocational Training*
BT1 Education
NT1 Computer-Aided Instruction
RT Educational Tools
RT Labor
RT Learning
RT Manpower
DEF Development or upgrading of a particular skill, usually by intensive or specialized methods; for broad, more leisurely instruction, use EDUCATION.

TRAINING REACTORS [01]
DA December 1, 1974
BT1 Research and Test Reactors
BT2 Reactors
NT1 Aerojet-General Nucleonics Reactors
NT1 AFRRI Reactor
NT1 Al-L-77 Reactor
NT1 Apsara Reactor
NT1 ARBI Reactor
NT1 Argonaut Reactor
NT1 ARGOS Reactor
NT1 Athene Reactor
NT1 ATPR Reactor
NT1 BGRR Reactor
NT1 Budapest Training Reactor
NT1 BYU L-77 Reactor
NT1 Cesnef Reactor
NT1 Cirus Reactor
NT1 Colorado TRIGA-Mk-3 Reactor
NT1 Consort-2 Reactor
NT1 Cornell TRIGA-Mk-2 Reactor
NT1 Dow TRIGA-Mk-1 Reactor
NT1 DR-1 Reactor
NT1 FIR-1 Reactor
NT1 FNR Reactor
NT1 FR-0 Reactor
NT1 FRF Reactor
NT1 FRG-1 Reactor
NT1 Gleep Reactor
NT1 GTRR Reactor
NT1 Gulf TRIGA-Mk-3 Reactor
NT1 HOR Reactor
NT1 HTR Reactor
NT1 IAN-R1 Reactor
NT1 Iowa UTR-10 Reactor
NT1 Jason Reactor
NT1 JRR-1 Reactor
NT1 KUR Reactor
NT1 LFR Reactor
NT1 Melusine-1 Reactor
NT1 Merlin Reactor
NT1 MITR Reactor
NT1 MOATA Reactor
NT1 MURR Reactor
NT1 NCSCR-1 Reactor
NT1 Nevada University Reactor
NT1 NSCR Reactor
NT1 OSTR Reactor
NT1 OSUR Reactor
NT1 PRNC-L-77 Reactor
NT1 PSTR Reactor
NT1 Queen Mary College UTR-B Reactor
NT1 R-B Reactor
NT1 RA-1 Reactor
NT1 RIEN-1 Reactor
NT1 RTS-1 Reactor
NT1 RV-1 Reactor
NT1 SCA Reactor
NT1 SR-3P Reactor
NT1 SRRC-UTR-100 Reactor
NT1 Stark Reactor
NT1 Strasbourg-Cronenbourg Reactor
NT1 SUR-100 Series Reactor
NT1 Thetis Reactor
NT1 THOR Reactor
NT1 Toshiba Reactor
NT1 TR-1 Reactor
NT1 TRICO Reactor
NT1 TRIGA-1-Michigan Reactor
NT1 TRIGA-2-Pavia Reactor
NT1 TRR-1 Reactor
NT1 UCBRR Reactor
NT1 UFTR Reactor
NT1 Ulysse Reactor
NT1 UMNE-1 Reactor
NT1 UMRR Reactor
NT1 URR Reactor
NT1 UTR-10-Kinki Reactor
NT1 UVAR Reactor
NT1 UWNR Reactor
NT1 UWTR Reactor
NT1 VPI-UTR-10 Reactor
NT1 VR-1 Reactor
NT1 WNTR Reactor
NT1 WPIR Reactor
NT1 WWR-S-Budapest Reactor
NT1 X-10 Reactor
NT1 ZLFR Reactor
NT1 ZPR Reactor

Training-Research Reactor Kyoto
DA December 1, 1974
USE KUR Reactor

TRAINS [01]
DA February 20, 1975
BT1 Vehicles
NT1 Levitated Trains
NT1 Locomotives
NT1 Railroad Cars
RT Electric Railways
RT Occupants
RT Railways
RT Rapid Transit Systems
RT Transportation Systems

TRAJECTORIES [01]
DA December 1, 1974
RT Beam Dynamics
RT Motion
RT Orbits
RT Particle Tracks

TRAMEX PROCESS [01]
DA December 1, 1974
BT1 Reprocessing
BT2 Separation Processes
RT Amines
RT Solvent Extraction

TRANQUILIZERS [01]
DA December 1, 1974
UF *Promazine*
UF *Tranquillizers*
BT1 Psychotropic Drugs
BT2 Central Nervous System Agents
BT3 Drugs
NT1 Chlorpromazine
RT Hypnotics and Sedatives
RT Phenothiazines

Tranquillizers
DA December 1, 1974
USE Tranquilizers

TRANS 104 ELEMENT COMPOUNDS [01]
DA December 1, 1974
BT1 Transplutonium Compounds
BT2 Transuranium Compounds
NT1 Element 105 Compounds
NT2 Element 105 263
NT1 Element 106 Compounds
NT1 Element 107 Compounds
NT1 Element 108 Compounds
NT1 Element 109 Compounds
NT1 Element 110 Compounds
NT1 Element 111 Compounds
NT1 Element 112 Compounds
NT1 Element 113 Compounds
NT1 Element 114 Compounds
NT1 Element 126 Compounds

TRANS 104 ELEMENTS [01]
DA December 1, 1974
UF *Superheavy Elements*
BT1 Transplutonium Elements
BT2 Transuranium Elements
BT3 Elements
NT1 Element 105
NT1 Element 106
NT1 Element 107
NT1 Element 108
NT1 Element 109
NT1 Element 110
NT1 Element 111
NT1 Element 112
NT1 Element 113
NT1 Element 114
NT1 Element 115

NT1 Element 116
NT1 Element 117
NT1 Element 118
NT1 Element 119
NT1 Element 120
NT1 Element 126
NT1 Element 128
NT1 Element 134
NT1 Element 145
NT1 Element 164
NT1 Element 173

TRANSAGE 117
DA January 22, 1975
BT1 Aluminium Alloys
BT2 Alloys
BT1 Tin Alloys
BT2 Alloys
BT1 Titanium Base Alloys
BT2 Titanium Alloys
BT3 Alloys
BT1 Zirconium Alloys
BT2 Alloys

TRANSAGE 120
DA January 22, 1975
BT1 Aluminium Alloys
BT2 Alloys
BT1 Tin Alloys
BT2 Alloys
BT1 Titanium Base Alloys
BT2 Titanium Alloys
BT3 Alloys
BT1 Vanadium Alloys
BT2 Alloys
BT1 Zirconium Alloys
BT2 Alloys

TRANSAGE 129 [01]
DA December 1, 1974
BT1 Aluminium Alloys
BT2 Alloys
BT1 Tin Alloys
BT2 Alloys
BT1 Titanium Alloys
BT2 Alloys
BT1 Vanadium Alloys
BT2 Alloys
BT1 Zirconium Base Alloys
BT2 Zirconium Alloys
BT3 Alloys

TRANSAGE 134
DA January 22, 1975
BT1 Aluminium Alloys
BT2 Alloys
BT1 Tin Alloys
BT2 Alloys
BT1 Titanium Base Alloys
BT2 Titanium Alloys
BT3 Alloys
BT1 Vanadium Alloys
BT2 Alloys
BT1 Zirconium Alloys
BT2 Alloys

TRANSAGE 175
DA November 20, 1986
BT1 Aluminium Alloys
BT2 Alloys
BT1 Tin Alloys
BT2 Alloys
BT1 Titanium Base Alloys
BT2 Titanium Alloys
BT3 Alloys
BT1 Vanadium Alloys
BT2 Alloys
BT1 Zirconium Alloys
BT2 Alloys

Transalaska Pipeline
DA November 17, 1976
USE Alaska Oil Pipeline

Transaminases
DA December 1, 1974
USE Aminotransferases

Transboundary Pollution
DA March 29, 1980
USE Transfrontier Pollution

TRANSCRIPTION [01]
DA June 7, 1978
RT DNA Polymerases
RT DNA Replication
RT Gene Repressors
RT Genes
RT Messenger-RNA
RT Post-Translation Modification
RT RNA Polymerases
RT Transcription Factors
DEF The formation of messenger RNA from DNA. The process of transmitting information in a gene into a messenger RNA molecule which can leave the cell nucleus and move to the site of protein synthesis.

TRANSCRIPTION FACTORS [01]
(Proteins which govern which genes RNA polymerases can copy.)
DA June 27, 1988
RT Gene Regulation
RT Gene Repressors
RT Nucleoproteins
RT RNA Polymerases
RT Transcription

TRANSDUCERS [01]
DA December 1, 1974
RT Electrical Equipment
RT Measuring Instruments
RT PZT

Transfer (Electron)
DA December 1, 1974
USE Electron Transfer

Transfer (Energy)
DA December 1, 1974
USE Energy Transfer

Transfer (Four Momentum)
DA April 28, 1978
USE Four Momentum Transfer

Transfer (Heat)
DA December 1, 1974
USE Heat Transfer

Transfer (In Environment)
DA December 1, 1974
USE Radionuclide Migration

Transfer (In Organism)
DA December 1, 1974
USE Radionuclide Kinetics

Transfer (Linear Momentum)
DA December 1, 1974
USE Linear Momentum Transfer

Transfer (Mass)
DA December 1, 1974
USE Mass Transfer

Transfer (Momentum)
DA November 14, 1978
USE Momentum Transfer

Transfer (Q-Squared)
DA April 28, 1978
USE Four Momentum Transfer

TRANSFER FUNCTIONS [01]
DA December 1, 1974
BT1 Functions
RT Reactor Stability
RT Real Time Systems

TRANSFER MATRIX METHOD [01]
DA December 1, 1974
BT1 Calculation Methods
RT Cross Sections
RT Mathematical Operators
RT Neutron Transport Theory

TRANSFER NUMBERS [01]
DA December 1, 1974
RT Electrophoresis

TRANSFER REACTIONS [01]
(For nuclear reactions only; see also CHARGE EXCHANGE and ELECTRON TRANSFER.)
DA December 1, 1974
BT1 Direct Reactions
BT2 Nuclear Reactions
* NT1 Multi-Nucleon Transfer Reactions
NT1 One-Nucleon Transfer Reactions
NT1 Pickup Reactions
NT1 Stripping
RT Neutron Transfer

TRANSFER RNA [01]
DA December 1, 1974
BT1 RNA
BT2 Nucleic Acids
BT3 Organic Compounds

TRANSFERASES [01]
(Code number 2.)
DA December 1, 1974
BT1 Enzymes
BT2 Proteins
BT3 Organic Compounds
NT1 Carbon-Group Transferases
NT2 Methyl Transferases
NT1 Glycosyl Transferases
NT2 Hexosyl Transferases
NT2 Pentosyl Transferases
NT3 Hypoxanthine Phosphoribosyltransferase
NT1 Nitrogen Transferases
NT2 Aminotransferases
NT1 Phosphorus-Group Transferases
NT2 Nucleotidyltransferases
NT3 Polymerases
NT4 DNA Polymerases
NT4 RNA Polymerases
NT2 Phosphotransferases
NT3 Hexokinase
NT3 Streptidine Kinase

TRANSFERRIN [01]
DA December 1, 1974
BT1 Globulins-Beta
BT2 Globulins
BT3 Proteins
BT4 Organic Compounds
BT1 Metalloproteins
BT2 Proteins
BT3 Organic Compounds

TRANSFORMATIONS [01]
DA June 16, 1975
NT1 Baecklund Transformation
NT1 Canonical Transformations
NT2 Bogolyubov Transformation
NT2 Foldy-Wouthuysen Transform
NT1 Galilei Transformations
NT1 Integral Transformations
NT2 Fourier Transformation
NT2 Hankel Transform
NT2 Hilbert Transformation
NT2 Laplace Transformation
NT2 Mellin Transform
NT1 Lorentz Transformations
NT1 Melosh Transformation
NT1 Orthogonal Transformations
NT2 Moshinsky Transformation
NT1 Topological Mapping
NT2 Conformal Mapping

Transformations (Oncogenic)
DA August 4, 1981
USE Oncogenic Transformations

Transformations (Phase)
DA November 8, 1980
USE Phase Transformations

Transformer Oils
DA August 12, 1980
USE Insulating Oils

TRANSFORMERS [01]
DA December 1, 1974
BT1 Electrical Equipment
BT2 Equipment
NT1 Gas-Insulated Transformers
RT DC to DC Converters

RT Electric Coils
RT Insulating Oils

TRANSFRONTIER CONTAMINATION [01]
(For radioactive contamination only; for nonradioactive pollution use TRANSFRONTIER POLLUTION.)
DA March 8, 1978
BT1 Contamination
RT Bilateral Agreements
RT Contamination Regulations
RT Environmental Transport
RT Radionuclide Migration
RT Transfrontier Pollution

TRANSFRONTIER POLLUTION [01]
(For nonradioactive pollution only; for radioactive contamination use TRANSFRONTIER CONTAMINATION.)
DA March 29, 1980
UF *Transboundary Pollution*
BT1 Pollution
RT Bilateral Agreements
RT Long-Range Transport
RT Pollution Regulations
RT Transfrontier Contamination

TRANSFUSIONS [01]
DA December 1, 1974
BT1 Therapy
RT Blood
RT Blood Groups
RT Blood Substitutes
RT Transplants

→**TRANSGENIC ANIMALS [01]**
DA March 9, 1992
BT1 Animals
NT1 Transgenic Mice

→**TRANSGENIC MICE [01]**
DA March 9, 1992
BT1 Mice
BT2 Rodents
BT3 Mammals
BT4 Vertebrates
BT5 Animals
BT1 Transgenic Animals
BT2 Animals

Transient Nuclear Test Reactor-Kiwi
DA December 1, 1974
USE Kiwi-TNT Reactor

TRANSIENT OVERPOWER ACCIDENTS [01]
DA March 28, 1979
UF *Top Accidents*
BT1 Reactor Accidents
BT2 Accidents
RT Transients
DEF Continuous ramp reactivity insertion with steady coolant flow but with loss of protection systems which results in fuel element failure.

Transient Reactor Test Facility
DA December 1, 1974
USE TREAT Reactor

Transient Species
DA August 7, 1979
SEE Reaction Intermediates

TRANSIENTS [01]
DA December 1, 1974
NT1 Electrical Transients
RT ATWS
RT Deep Level Transient Spectroscopy
RT Overcurrent
RT Overvoltage
RT Peaks
RT Pressurization
RT Steady-State Conditions
RT Surges
RT Temperature Noise
RT Transient Overpower Accidents
RT Variations

TRANSISTOR AMPLIFIERS [01]
DA December 1, 1974
BT1 Amplifiers
BT2 Electronic Equipment
BT3 Equipment
RT Transistors

TRANSISTOR OSCILLATORS [01]
DA December 1, 1974
BT1 Oscillators
BT2 Electronic Equipment
BT3 Equipment
RT Pulse Circuits
RT Transistors

TRANSISTOR SWITCHING CIRCUITS [01]
DA December 1, 1974
BT1 Switching Circuits
BT2 Electronic Circuits
RT Switching Diodes

TRANSISTOR TRIGGER CIRCUITS [01]
DA December 1, 1974
BT1 Trigger Circuits
BT2 Pulse Circuits
BT3 Electronic Circuits

TRANSISTORS [01]
DA December 1, 1974
UF *Diode Transistors*
BT1 Semiconductor Devices
NT1 Field Effect Transistors
NT2 MOSFET
NT1 Junction Transistors
NT1 MIS Transistors
NT1 MOS Transistors
NT2 MOSFET
NT1 Phototransistors
NT1 Surface Barrier Transistors
RT Electronic Circuits
RT Transistor Amplifiers
RT Transistor Oscillators

TRANSIT-TIME MAGNETIC PUMPING [01]
DA December 1, 1974
UF *TTMP*
BT1 Magnetic-Pumping Heating
BT2 High-Frequency Heating
BT3 Plasma Heating
BT4 Heating
RT Fast Magnetoacoustic Waves
RT Landau Damping

TRANSITION AMPLITUDES [01]
DA August 25, 1976
BT1 Amplitudes
NT1 Decay Amplitudes

TRANSITION BOILING [01]
DA December 1, 1974
BT1 Boiling
BT2 Phase Transformations

TRANSITION ELEMENT ALLOYS [01]
DA February 20, 1975
BT1 Alloys

TRANSITION ELEMENT COMPLEXES [01]
DA December 1, 1974
BT1 Complexes
NT1 Chromium Complexes
NT1 Cobalt Complexes
NT1 Copper Complexes
NT2 Ceruloplasmin
NT1 Gold Complexes
NT1 Hafnium Complexes
NT1 Iridium Complexes
NT1 Iron Complexes
NT2 Ferricyanides
NT2 Ferritin
NT2 Ferrocene
NT2 Ferrocyanides
NT1 Manganese Complexes
NT1 Molybdenum Complexes
NT1 Nickel Complexes
NT1 Niobium Complexes
NT1 Osmium Complexes
NT1 Palladium Complexes
NT1 Platinum Complexes
NT1 Rhenium Complexes
NT1 Rhodium Complexes
NT1 Ruthenium Complexes
NT1 Scandium Complexes
NT1 Silver Complexes
NT1 Tantalum Complexes
NT1 Technetium Complexes
NT1 Titanium Complexes
NT1 Tungsten Complexes
NT1 Vanadium Complexes
NT1 Yttrium Complexes
NT1 Zirconium Complexes

TRANSITION ELEMENT COMPOUNDS [01]
DA December 1, 1974
* NT1 Chromium Compounds
* NT1 Cobalt Compounds
* NT1 Copper Compounds
* NT1 Gold Compounds
* NT1 Hafnium Compounds
* NT1 Iridium Compounds
* NT1 Iron Compounds
* NT1 Manganese Compounds
* NT1 Molybdenum Compounds
* NT1 Nickel Compounds
* NT1 Niobium Compounds
* NT1 Osmium Compounds
* NT1 Palladium Compounds
* NT1 Platinum Compounds
* NT1 Rhenium Compounds
* NT1 Rhodium Compounds
* NT1 Ruthenium Compounds
* NT1 Scandium Compounds
* NT1 Silver Compounds
* NT1 Tantalum Compounds
* NT1 Technetium Compounds
* NT1 Titanium Compounds
* NT1 Tungsten Compounds
* NT1 Vanadium Compounds
* NT1 Yttrium Compounds
* NT1 Zirconium Compounds

TRANSITION ELEMENTS [01]
DA December 1, 1974
UF *Transition Metals*
BT1 Metals
BT2 Elements
NT1 Chromium
NT1 Cobalt
NT1 Copper
NT1 Gold
NT1 Hafnium
NT2 Hafnium-Alpha
NT2 Hafnium-Beta
NT1 Iron
NT2 Iron-Alpha
NT2 Iron-Beta
NT2 Iron-Delta
NT2 Iron-Gamma
NT1 Manganese
NT2 Manganese-Alpha
NT2 Manganese-Beta
NT2 Manganese-Gamma
NT2 Manganese-Sigma
NT1 Molybdenum
NT1 Nickel
NT1 Niobium
NT2 Niobium-Alpha
NT2 Niobium-Beta
* NT1 Platinum Metals
NT1 Rhenium
NT1 Scandium
NT1 Silver
NT1 Tantalum
NT1 Technetium
NT1 Titanium
NT2 Titanium-Alpha
NT2 Titanium-Beta
NT1 Tungsten
NT2 Tungsten-Alpha
NT1 Vanadium
NT1 Yttrium
NT1 Zirconium
NT2 Zirconium-Alpha
NT2 Zirconium-Beta
NT2 Zirconium-Omega

TRANSITION FLOW [01]
DA December 1, 1974
BT1 Fluid Flow

TRANSITION HEAT [01]
DA December 1, 1974
UF *Heat of Transition*
UF *Latent Heat of Transition*
BT1 Enthalpy
BT2 Thermodynamic Properties
BT3 Physical Properties
NT1 Fusion Heat
NT1 Sublimation Heat
NT1 Vaporization Heat
RT Differential Thermal Analysis
RT Phase Change Materials
RT Phase Transformations

Transition Metals
DA December 1, 1974
USE Transition Elements

TRANSITION RADIATION [01]
DA December 1, 1974
BT1 Electromagnetic Radiation
BT2 Radiations

TRANSITION RADIATION DETECTORS [01]
(For detection of transition radiation emitted by particles going from one medium to another.)
DA December 1, 1974
BT1 Radiation Detectors
BT2 Measuring Instruments

TRANSITION TEMPERATURE [01]
DA December 1, 1974
UF *Temperature (Transition)*
BT1 Thermodynamic Properties
BT2 Physical Properties
NT1 Boiling Points
NT1 Critical Temperature
NT1 Curie Point
NT1 Lambda Point
NT1 Melting Points
NT1 Neel Temperature
RT Phase Transformations

Transitions (Brittle-Ductile)
DA February 6, 1975
USE Brittle-Ductile Transitions

Transitions (Ductile-Brittle)
DA December 1, 1974
USE Ductile-Brittle Transitions

Transitions (Energy Level)
DA December 1, 1974
USE Energy-Level Transitions

Transitions (Forbidden)
DA December 1, 1974
USE Forbidden Transitions

Transitions (Phase)
DA December 1, 1974
USE Phase Transformations

TRANSLATORS [01]
DA December 1, 1974
BT1 Computer Codes
RT Programming
RT Programming Languages
DEF Computer codes translating program from one programming language into another.

TRANSLOCATION [01]
DA December 1, 1974
RT Ions
RT Kinetics
RT Minerals
RT Organic Compounds
RT Plant Sap
RT Plants
RT Radionuclide Migration
RT Stable Isotopes

TRANSMISSION [01]
(Of particles and radiation through matter; see also DATA TRANSMISSION, MECHANICAL TRANSMISSIONS, or POWER TRANSMISSION.)
DA December 1, 1974
RT Absorption
RT Attenuation
RT Light Transmission
RT Opacity

Transmission (Data)
DA December 1, 1974
USE Data Transmission

Transmission (Energy)
DA May 17, 1976
SEE Power Transmission

Transmission (Heat)
DA December 1, 1974
USE Heat Transfer

TRANSMISSION ELECTRON MICROSCOPY [01]
DA January 30, 1979
UF *TEM (Microscopy)*
BT1 Electron Microscopy
BT2 Microscopy

Transmission Lines
DA March 27, 1979
USE Power Transmission Lines

Transmission Towers
DA August 5, 1976
USE Power Transmission Towers

TRANSMUTATION [01]
(Of nuclides.)
DA December 1, 1974
UF *Nuclear Transmutation*
RT Breeding
RT Gas Production Rates
RT Isotope Production

TRANSONIC FLOW [01]
DA December 1, 1974
BT1 Fluid Flow
RT Aerodynamics
RT Compressible Flow
RT Shock Waves
RT Supersonic Flow

Transparency
DA December 1, 1974
USE Opacity

TRANSPIRATION [01]
(Use for botanical systems only.)
DA December 1, 1974
RT Evaporation
RT Leaves
RT Physiology
RT Plant Sap
RT Plants
RT Stomata
RT Water Vapor

Transpiration (Animal)
DA December 1, 1974
USE Sweat

TRANSPLANTS [01]
DA December 1, 1974
NT1 Grafts
RT Chimeras
RT Graft-Host Reaction
RT Host
RT Immunity
RT Immunosuppression
RT Plastic Surgery
RT Transfusions

TRANSPLUTONIUM COMPOUNDS [01]
DA May 23, 1980
BT1 Transuranium Compounds
* NT1 Americium Compounds
* NT1 Berkelium Compounds
* NT1 Californium Compounds
* NT1 Curium Compounds
* NT1 Einsteinium Compounds
NT1 Element 104 Compounds
NT2 Element 104 Chlorides
* NT1 Fermium Compounds
NT1 Lawrencium Compounds
NT2 Lawrencium Chlorides
NT2 Lawrencium Oxides
NT1 Mendelevium Compounds
NT2 Mendelevium Carbides
NT2 Mendelevium Nitrides
NT2 Mendelevium Oxides
NT2 Mendelevium Sulfides
* NT1 Nobelium Compounds
* NT1 Trans 104 Element Compounds

TRANSPLUTONIUM ELEMENTS [01]
DA December 1, 1974
BT1 Transuranium Elements
BT2 Elements
NT1 Americium
NT1 Berkelium
NT1 Californium
NT1 Curium
NT1 Einsteinium
NT1 Element 104
NT1 Fermium
NT1 Lawrencium
NT1 Mendelevium
NT1 Nobelium
* NT1 Trans 104 Elements
RT Actinides

TRANSPORT [01]
(Limited to the movement of goods and persons.)
DA December 1, 1974
UF *Shipment*
NT1 Air Transport
NT2 Supersonic Transport
NT1 Hydraulic Transport
NT1 Land Transport
NT2 Rail Transport
NT2 Road Transport
NT1 Maritime Transport
NT1 Pneumatic Transport
NT1 Space Transport
NT1 Waste Transportation
RT Arctic Gas Pipelines
RT Barges
RT Cargo
RT Chain Conveyors
RT Containers
RT Conveyors
RT Deep Water Oil Terminals
RT Freight Pipelines
RT Inland Waterways
RT Lightering
RT Mass Transit Systems
RT Materials Handling
RT Materials Handling Equipment
RT Mine Cars
RT Navigation
RT Nuclear Trade
RT Packaging
RT Packaging Rules
RT Pipelines
RT Propulsion
RT Rapid Transit Systems
RT Roads
RT Storage
RT Tanker Ships
RT Tourism
RT Transport Regulations
RT Transportation Sector
RT Transportation Systems

Transport (Atoms)
DA June 12, 1975
USE Atom Transport

Transport (Charged-Particle)
DA December 1, 1974
USE Charged-Particle Transport

Transport (Energy)
DA May 17, 1976
SEE Natural Gas Distribution Systems
OR Pipelines
OR Power Distribution
OR Power Transmission

Transport (Environmental)
DA March 12, 1985
SEE Environmental Transport

Transport (Gamma)
DA December 1, 1974
USE Photon Transport

Transport (In Organisms)
DA December 1, 1974
USE Radionuclide Kinetics

Transport (Neutron)
DA December 1, 1974
USE Neutron Transport

Transport (Photon)
DA December 1, 1974
USE Photon Transport

Transport (Proton)
DA December 1, 1974
USE Proton Transport

Transport (Radiation)
DA December 1, 1974
USE Radiation Transport

Transport (Reaction Product)
DA December 1, 1974
USE Reaction Product Transport Systems

Transport Insurance
DA December 1, 1974
USE Insurance

TRANSPORT REGULATIONS [01]
DA December 1, 1974
BT1 Regulations
RT Maritime Laws
RT Transport

TRANSPORT THEORY [01]
DA December 1, 1974
NT1 Charged-Particle Transport Theory
NT1 Gamma Transport Theory
NT1 Nelkin Theory
NT1 Neoclassical Transport Theory
NT1 Neutron Transport Theory
NT2 Multigroup Theory
NT2 One-Group Theory
RT Atom Transport
RT Boltzmann Equation
RT Boltzmann-Vlasov Equation
RT Case Method
RT Chapman-Enskog Theory
RT Chapman-Ferraro Problem
RT Feynman Method
RT Fokker-Planck Equation
RT Grad-Shafranov Equation
RT Greuling-Goertzel Approximation
RT Haywood Model
RT Invariant Imbedding
RT Kolmogorov Equation
RT Moments Method
RT Monte Carlo Method
RT Poincare-Bertrand Formula
RT Radiation Transport
RT Rosenbluth-Nelkin Model
RT Scattering
RT Selengut-Goertzel Equation
RT Serber-Wilson Method
RT Slaggie Model
RT Spitzer Theory
RT Van Hove Theory
RT Wick-Chandrasekhar Method
RT Yoshimori-Kitano Model
RT Young Model
RT Yvon Method

TRANSPORTABLE REACTORS [01]
(Capable of being moved when not critical and possibly partly dismantled.)
DA December 1, 1974
BT1 Reactors
NT1 Package Reactors
NT1 TIBR Reactor

Transportation Routes
DA September 15, 1983
USE Routing

TRANSPORTATION SECTOR
DA July 23, 1977
SF *End Use Sector*
RT Sectoral Analysis
RT Taxicabs
RT Transport
RT Transportation Systems

TRANSPORTATION SYSTEMS [01]
DA February 19, 1975
UF *Public Transportation Systems*
NT1 Mass Transit Systems
NT1 Rapid Transit Systems
RT Airports
RT Buses
RT Carpooling
RT Taxicabs
RT Trains
RT Transport
RT Transportation Sector
RT Vanpooling

TRANSPOSONS [01]
DA December 17, 1987
RT DNA-Cloning
RT Genes
RT Genetic Engineering
RT Genetic Variability
RT Plasmids
DEF Portions of DNA carrying repeated terminal sequences which confer to the segment the capability of jumping around within the genome.

TRANSURANIUM COMPLEXES [01]
DA December 1, 1974
NT1 Americium Complexes
NT1 Berkelium Complexes
NT1 Californium Complexes
NT1 Curium Complexes
NT1 Einsteinium Complexes
NT1 Fermium Complexes
NT1 Lawrencium Complexes
NT1 Mendelevium Complexes
NT1 Neptunium Complexes
NT2 Neptunyl Complexes
NT1 Nobelium Complexes
NT1 Plutonium Complexes
NT2 Plutonyl Complexes

TRANSURANIUM COMPOUNDS [01]
DA December 1, 1974
* NT1 Neptunium Compounds
* NT1 Plutonium Compounds
* NT1 Transplutonium Compounds

TRANSURANIUM ELEMENTS [01]
DA December 1, 1974
BT1 Elements
NT1 Neptunium
NT2 Neptunium-Alpha
NT2 Neptunium-Beta
NT2 Neptunium-Gamma
NT1 Plutonium
NT2 Plutonium-Alpha
NT2 Plutonium-Beta
NT2 Plutonium-Delta
NT2 Plutonium-Epsilon
NT2 Plutonium-Eta
NT2 Plutonium-Gamma
* NT1 Transplutonium Elements
RT Actinides

Transuranium Wastes
DA January 9, 1981
USE Alpha-Bearing Wastes

TRANSVAAL [01]
DA December 1, 1974
BT1 South Africa
BT2 Africa
BT2 Developed Countries
RT Witwatersrand

TRANSVERSE ENERGY [01]
DA January 26, 1989
BT1 Kinetic Energy
BT2 Energy
RT Angular Distribution
RT Anisotropy
RT Energy Spectra
RT Nuclear Reactions
RT Particle Interactions
RT Transverse Momentum
DEF The kinetic energy of any particle, or group of particles, detected during a particle/target or beam/target interaction at a non-zero angle measured with respect to the initial particle or beam direction.

TRANSVERSE MOMENTUM [01]
DA December 1, 1974
UF *Momentum (Transverse)*
BT1 Linear Momentum
RT Center-of-Mass System
RT Interactions
RT Longitudinal Momentum
RT Nuclear Reactions
RT Particle Interactions
RT Transverse Energy

TRAPPED ELECTRONS [01]
DA December 1, 1974
BT1 Electrons
BT2 Leptons
BT3 Elementary Particles
BT3 Fermions
RT Electron Precipitation

TRAPPED-PARTICLE INSTABILITY [01]
DA December 1, 1974
BT1 Plasma Macroinstabilities
BT2 Plasma Instability
BT3 Instability
RT Banana Regime
RT Closed Plasma Devices

TRAPPED PROTONS [01]
DA June 3, 1977
BT1 Protons
BT2 Nucleons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
RT Aurorae
RT Precipitation

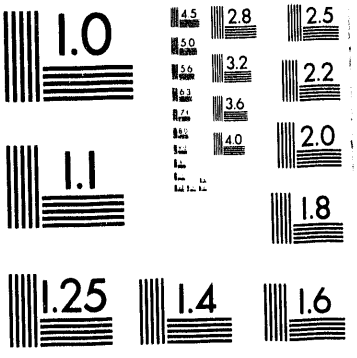
TRAPPING [01]
(Includes trapping of electrons or holes in lattices and trapping of charged particles in magnetic fields.)
DA December 1, 1974
NT1 Banana Regime
RT Crystal Lattices
RT Greenhouse Effect
RT Holes
RT Magnetic Fields
RT Plateau Regime

TRAPS [01]
(Includes trapping of electrons or holes; see also FILTERS, ABSORBENTS, etc.)
DA December 1, 1974
NT1 Cold Traps
NT1 Steam Traps
RT Deep Level Transient Spectroscopy
RT Electrons
RT Holes
RT Luminescence
RT Photo-Induced Transient Spectroscopy
RT Photoconductivity
RT Photolysis
RT Semiconductor Materials
RT Vacancies

Trauma
DA December 1, 1974
USE Injuries

Traumatic Shock
DA December 1, 1974
USE Biological Shock
AND Injuries

TRAVALE GEOTHERMAL FIELD [01]
DA December 11, 1985
BT1 Geothermal Fields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RT Italy
RT Vapor-Dominated Systems

TRAVEL
DA March 23, 1983
UF *Official Travel*
RT Air Transport
RT Carpooling
RT Land Transport
RT Rail Transport
RT Vanpooling

TRAVELLING IONOSPHERIC DISTURBANCE [01]
DA December 1, 1974
UF *TID*
BT1 Disturbances
BT1 Ionospheric Storms
RT Ionosphere

TRAVELLING WAVE TUBES [01]
DA December 1, 1974
BT1 Microwave Tubes
BT2 Electron Tubes
BT2 Microwave Equipment
BT3 Electronic Equipment
BT4 Equipment
RT RF Systems

TRAVELLING WAVES [01]
DA December 1, 1974
UF *Waves (Travelling)*
RT Electromagnetic Radiation
RT Mechanical Vibrations
RT Standing Waves
RT Wave Propagation
RT Waveguides

TRAVERTINE
DA January 23, 1976
BT1 Calcium Carbonates
BT2 Calcium Compounds
BT3 Alkaline Earth Metal Compounds
BT2 Carbonates
BT3 Carbon Compounds
BT3 Oxygen Compounds
BT1 Limestone
BT2 Carbonate Rocks
BT3 Sedimentary Rocks
BT4 Rocks
DEF A calcium carbonate, $CaCO_3$, deposited from solution in ground and surface waters.

TRAWSFYNYDD REACTOR [01]
(Merionethshire, Wales, UK)
DA December 1, 1974
BT1 Carbon Dioxide Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Magnox Type Reactors
BT2 GCR Type Reactors
BT3 Gas Cooled Reactors
BT4 Reactors
BT3 Graphite Moderated Reactors
BT4 Reactors
BT2 Natural Uranium Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

TRCE
DA January 28, 1975
USE Thermionic Reactor Critical Experiments

TREAT REACTOR [01]
(ANL, Idaho National Engineering Lab., Idaho Falls, Idaho, USA.)
DA December 1, 1974
UF *Transient Reactor Test Facility*
BT1 Air Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Experimental Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Graphite Moderated Reactors
BT2 Reactors
BT1 Solid Homogeneous Reactors
BT2 Homogeneous Reactors
BT3 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

TREATIES [01]
DA December 1, 1974
NT1 Non-Proliferation Treaty
NT1 Rarotonga Treaty
NT1 Tlatelolco Treaty
RT International Laws
RT Negotiation
RT SALT Talks
RT Verification

Treatment (Therapy)
DA December 1, 1974
USE Therapy

TREE RINGS [01]
DA June 7, 1976
RT Trees

TREES [01]
DA December 1, 1974
UF *Mahogany Trees*
BT1 Plants
NT1 Beech Trees
NT1 Birches
NT1 Cacao Trees
NT1 Cedars
NT1 Chestnut Trees
NT1 Coconut Palms
NT1 Copaifera
NT1 Deciduous Trees
NT1 Eucalyptuses
NT1 Firs
NT1 Fruit Trees
NT1 Hevea
NT1 Honeylocust Trees
NT1 Locust Trees
NT1 Mangroves
NT1 Maples
NT1 Mesquite
NT1 Oaks
NT1 Oil Palms
NT1 Olive Trees
NT1 Pecan Trees
NT1 Pines
NT1 Poplars
NT2 Aspens
NT2 Cottonwoods
NT1 Rubber Trees
NT2 Guayule
NT1 Spruces
NT1 Sweet Gums
NT1 Sycamores
NT1 Willows
RT Apricots
RT Bark
RT Canopies
RT Chinese Tallow Tree
RT Conifers
RT Forests
RT Short Rotation Cultivation
RT Silviculture
RT Tree Rings
RT Wood
RT Wood Fuels
RT Xylans

TREMATODES [01]
DA December 1, 1974
UF *Flukes (Trematodes)*
BT1 Platyhelminths
BT2 Helminths
BT3 Parasites
NT1 Fasciola
NT1 Schistosoma

Tretamine
DA December 1, 1974
USE Alkylating Agents

TRH [01]
DA December 1, 1974
UF *Thyrotropin-Releasing Hormone*
BT1 Peptide Hormones
BT2 Hormones
BT2 Proteins
BT3 Organic Compounds
RT Hypothalamus
RT TSH

Tri-2-Ethylhexyl Phosphate
DA December 1, 1982
USE T2EHP

TRI-GAS PROCESS
(Prior to April 1977 BCR PROCESS was used as descriptor.)
DA April 12, 1977
UF *BCR Process*
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes
DEF The Bituminous Coal Research, Inc. process using two-stage super-pressure entraining gasifier.

Tri-University Meson Facility
DA May 23, 1980
USE TRIUMF Cyclotron

TRIACETONEAMINE-N-OXYL [01]
DA May 13, 1975
UF *TAN*
UF *Tetramethyl-4-piperidone-N-Oxyl*
BT1 Ketones
BT2 Organic Compounds
BT1 Organic Oxygen Compounds
BT2 Organic Compounds
BT1 Piperidines
BT2 Amines
BT3 Organic Compounds
BT2 Pyridines
BT3 Azines
BT4 Heterocyclic Compounds
BT5 Organic Compounds
BT4 Organic Nitrogen Compounds
BT5 Organic Compounds
BT1 Radiosensitizers
BT2 Drugs

TRIAM-1 TOKAMAK [01]
DA March 24, 1983
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

1,3,5-Triamino-2,4,6-Trinitrobenzene
DA August 19, 1975
USE TATB

TRIANGULAR CONFIGURATION [01]
DA December 1, 1974
BT1 Configuration

TRIASSIC PERIOD [01]
DA October 19, 1977
BT1 Mesozoic Era
BT2 Geologic Ages

TRIAZINES [01]
DA December 1, 1974
BT1 Azines
BT2 Heterocyclic Compounds
BT3 Organic Compounds
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
NT1 Cyanurates
NT1 Melamine
DEF Compounds that contain a six-membered heterocyclic ring containing three nitrogen atoms.

TRIAZOLES [01]
DA December 1, 1974
BT1 Azoles
BT2 Heterocyclic Compounds
BT3 Organic Compounds
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
DEF Compounds that contain a five-membered heterocyclic ring containing three nitrogen atoms.

TRIBALOY 400
DA August 7, 1979
BT1 Chromium Alloys
BT2 Alloys
BT1 Cobalt Base Alloys
BT2 Cobalt Alloys
BT3 Alloys
BT1 Iron Alloys
BT2 Alloys
BT1 Molybdenum Alloys
BT2 Alloys

TRIBALOY 700
DA October 23, 1978
BT1 Alloy-Ni50Mo32Cr15Si3
BT2 Chromium Alloys
BT3 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Molybdenum Alloys
BT3 Alloys
BT2 Nickel Base Alloys
BT3 Nickel Alloys
BT4 Alloys
BT2 Silicon Alloys
BT3 Alloys

TRIBALOY 800
DA August 7, 1979
BT1 Alloy-Co52Cr17Fe15Mo3Si3
BT2 Chromium Alloys
BT3 Alloys
BT2 Cobalt Base Alloys
BT3 Cobalt Alloys
BT4 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Iron Alloys
BT3 Alloys
BT2 Molybdenum Alloys
BT3 Alloys
BT2 Silicon Alloys
BT3 Alloys

TRIBOLIUM [01]
DA December 1, 1974
BT1 Beetles
BT2 Coleoptera
BT3 Insects
BT4 Arthropods
BT5 Invertebrates
BT6 Animals

TRIBOLOGY [01]
DA April 5, 1978
RT Bearings
RT Friction
RT Lubricants
RT Lubricating Oils
RT Lubricating Properties
RT Lubrication
RT Synthetic Lubricants
RT Wear
DEF Science dealing with physical, chemical, and metallurgical phenomena of interacting surfaces in relative motion.

Tributyl Phosphate
DA December 1, 1974
USE TBP

Tributylphosphine Oxide
DA December 1, 1974
USE TBPO

TRICARBALLYLIC ACID [01]
DA December 1, 1974
BT1 Carboxylic Acids
BT2 Organic Acids
BT3 Organic Compounds

TRICASTIN-1 REACTOR [01]
(Troischateaux, Drome, France)
DA November 13, 1985
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

TRICASTIN-4 REACTOR [01]
(Troischateaux, Drome, France.)
DA May 23, 1988
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

TRICHINELLA [01]
DA December 1, 1974
BT1 Nematodes
BT2 Aschelminthes
BT3 Helminths
BT4 Parasites
RT Meat
RT Trichinosis

TRICHINOSIS [01]
DA December 1, 1974
BT1 Parasitic Diseases
BT2 Infectious Diseases
BT3 Diseases
RT Gastrointestinal Tract
RT Inflammation
RT Muscles
RT Trichinella

Trichloroacetaldehyde
DA December 1, 1974
USE Chloral

Trichloromethane
DA February 23, 1982
USE Chloroform

TRICHODERMA [01]
DA March 3, 1978
BT1 Eumycota
BT2 Fungi
BT3 Plants
NT1 Trichoderma Viride

Trichoderma Reesei
DA March 28, 1979
USE Trichoderma Viride

TRICHODERMA VIRIDE [01]
DA November 29, 1977
UF *Trichoderma Reesei*
BT1 Trichoderma
BT2 Eumycota
BT3 Fungi
BT4 Plants

TRICKLE-TYPE COLLECTORS
DA September 11, 1978
UF *Open-Flow Collectors*
UF *Thomason Collectors*
BT1 Flat Plate Collectors
BT2 Solar Collectors
BT3 Solar Equipment
BT4 Equipment

TRICLINIC LATTICES [01]
DA December 1, 1974
BT1 Crystal Lattices
BT2 Crystal Structure

TRICO REACTOR [01]
(Kinshasa, Zaire.)
DA December 1, 1974
UF *Congo Kinshasa TRIGA Reactor*
UF *TRIGA-Congo Reactor*
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 TRIGA Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Hydride Moderated Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Solid Homogeneous Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

Tricresyl Phosphates
DA December 1, 1974
USE TCP

TRIDECYL RADICALS [01]
DA December 1, 1974
BT1 Alkyl Radicals
BT2 Radicals

TRIDODECYLAMINE [01]
DA January 28, 1975
UF *Trilaurylamine*
BT1 Amines
BT2 Organic Compounds

Triethylenemelamine
DA December 1, 1974
USE Alkylating Agents

Triethylenetetraaminehexaacetic Acid
DA December 1, 1974
USE TETAHA

Triethylenetetramine
DA December 1, 1974
USE TETA

TRIGA-1-ARIZONA REACTOR [01]
(Prior to December 1988 this material was indexed to TRIGA-1-Arizona Reactor.)
DA April 8, 1987
BT1 TRIGA Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Hydride Moderated Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Solid Homogeneous Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

TRIGA-1-CALIFORNIA REACTOR [01]
DA March 3, 1978
UF *Irvine TRIGA Reactor*
UF *UCIRR Reactor*
UF *University of California Irvine Reactor*
BT1 Thermal Reactors
BT2 Reactors
BT1 TRIGA Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Hydride Moderated Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Solid Homogeneous Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

TRIGA-1-HANFORD REACTOR [01]
DA January 30, 1979
UF *Hanford Neutron Radiography Facility*
BT1 Materials Testing Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 TRIGA Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Hydride Moderated Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Solid Homogeneous Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

TRIGA-1-HANOVER REACTOR [01]
DA January 22, 1975
UF *FRH Reactor*
UF *Hannover TRIGA-Mk-1 Reactor*
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 TRIGA Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Hydride Moderated Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Solid Homogeneous Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

TRIGA-1-HEIDELBERG REACTOR [01]
DA December 1, 1974
UF *TRIGA-Mark-I-DKFZ Heidelberg Reactor*
BT1 Thermal Reactors
BT2 Reactors
BT1 TRIGA Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Hydride Moderated Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Solid Homogeneous Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

TRIGA-1-MICHIGAN REACTOR [01]
(Michigan State University, East Lansing, Michigan, USA. Prior to November 1990 this concept was indexed to MICHIGAN STATE TRIGA MK-1 REACTOR.)
DA January 31, 1977
UF *Michigan State TRIGA-Mk-1 Reactor*
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Pulsed Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 TRIGA Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Hydride Moderated Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Solid Homogeneous Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

TRIGA-2-BANDUNG REACTOR
DA January 27, 1975
UF *Indonesian TRIGA-Mk-2 Reactor*
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 TRIGA Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Hydride Moderated Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Solid Homogeneous Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

TRIGA-2-DALAT REACTOR [01]
DA December 1, 1974
UF *Vietnamese TRIGA-Mk-II Reactor*
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 TRIGA Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Hydride Moderated Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Solid Homogeneous Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

TRIGA-2-HEIDELBERG REACTOR
DA August 19, 1975
BT1 Thermal Reactors
BT2 Reactors
BT1 TRIGA Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Hydride Moderated Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Solid Homogeneous Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

TRIGA-2-ILLINOIS REACTOR [01]
DA December 1, 1974
UF *University of Illinois TRIGA-Mk-II Reactor*
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Pulsed Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 TRIGA Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Hydride Moderated Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Solid Homogeneous Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

TRIGA-2-KANSAS REACTOR [01]
DA December 1, 1974
UF *Kansas State University TRIGA Mk-II*
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Pulsed Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 TRIGA Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Hydride Moderated Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Solid Homogeneous Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

TRIGA-2-LJUBLJANA REACTOR [01]
(J. Stefan Institute, Ljubljana, Yugoslavia.)
DA December 1, 1974
UF *Yugoslav TRIGA-Mk-II Reactor*
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 TRIGA Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Hydride Moderated Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Solid Homogeneous Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

TRIGA-2-MAINZ REACTOR [01]
DA December 1, 1974
UF *German TRIGA-Mark-II Reactor*
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Pulsed Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 TRIGA Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Hydride Moderated Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Solid Homogeneous Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

TRIGA-2-MUSASHI REACTOR [01]
(Atomic Energy Research Lab., Musashi Institute of Technology University, Kanagawa Prefecture, Japan.)
DA December 1, 1974
UF *Musashi Institute of Technology TRIGA Reactor*
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 TRIGA Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Hydride Moderated Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Solid Homogeneous Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

TRIGA-2-PAVIA REACTOR [01]
DA December 1, 1974
UF *Lena TRIGA-Mark-II Pulsed Reactor*
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Pulsed Reactors
BT2 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 TRIGA Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Hydride Moderated Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Solid Homogeneous Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

TRIGA- REACTOR [01]
DA December 1, 1974
UF *TRIGA-Mark-II Reactor*
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 TRIGA Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Hydride Moderated Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Solid Homogeneous Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

TRIGA-2-RIKKYO REACTOR [01]
(Institute for Atomic Energy, Rikkyo University, Kanagawa Prefecture, Japan.)
DA December 1, 1974
UF *Rikkyo University TRIGA-Mk-II Reactor*
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 TRIGA Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Hydride Moderated Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Solid Homogeneous Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

TRIGA-2-ROME REACTOR [01]
DA December 1, 1974
UF *Italian TRIGA-Mark-II Reactor*
UF *RC-1 Reactor*
UF *Reattore Casaccia-1*
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 TRIGA Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Hydride Moderated Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Solid Homogeneous Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

TRIGA-2-SEOUL REACTOR [01]
(Korea Atomic Energy Research Institute, Cheong Ryang, Seoul, Korea.)
DA December 1, 1974
UF *Korean TRIGA-Mark-II Reactor*
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 TRIGA Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Hydride Moderated Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Solid Homogeneous Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

TRIGA-2-VIENNA REACTOR [01]
(Atominstitute of the Austrian Universities/Austrian Fed. Min. of Science and Research, Vienna, Austria.)
DA December 1, 1974
UF *Austrian TRIGA-Mark-II Reactor*
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 TRIGA Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Hydride Moderated Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Solid Homogeneous Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

TRIGA-3-LA JOLLA REACTOR [01]
DA December 1, 1974
UF *Torrey Pines TRIGA-Mark-3 Reactor*
BT1 TRIGA Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Hydride Moderated Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Solid Homogeneous Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

TRIGA-3-MUNICH REACTOR
DA January 27, 1975
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Pulsed Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 TRIGA Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Hydride Moderated Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Solid Homogeneous Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

TRIGA-3-SALAZAR REACTOR [01]
DA January 27, 1975
UF *Mexican TRIGA-Mark-3 Reactor*
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 TRIGA Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Hydride Moderated Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Solid Homogeneous Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

TRIGA-3-SEOUL REACTOR [01]
DA January 27, 1975
UF *Korean TRIGA-Mark-3 Reactor*
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 TRIGA Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Hydride Moderated Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Solid Homogeneous Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

TRIGA-BRAZIL REACTOR [01]
(Instituto de Pesquisas Radioativas Nuclebras, Cidade Universitaria-Pampulma, Minas Gerais, Brazil.)
DA December 1, 1974
UF *University Minas Gerais TRIGA Reactor*
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 TRIGA Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Hydride Moderated Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Solid Homogeneous Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

TRIGA-Congo Reactor
DA December 1, 1974
USE TRICO Reactor

TRIGA-F-DASA Reactor
DA December 1, 1974
USE AFRRI Reactor

TRIGA-Mark-I-DKFZ Heidelberg Reactor
DA December 1, 1974
USE TRIGA-1-Heidelberg Reactor

TRIGA-Mark-II Reactor
DA December 1, 1974
USE TRIGA-2 Reactor

TRIGA-Mk-3 Reactor
DA December 1, 1974
SEE ATPR Reactor
OR Colorado TRIGA-Mk-3 Reactor

TRIGA-Mk-F Prototype Reactor
DA December 1, 1974
USE ATPR Reactor

TRIGA-Pennsylvania Reactor
DA December 1, 1974
USE PSTR Reactor

TRIGA PUSPATI Reactor
DA December 27, 1984
USE RTP Reactor

TRIGA-TEXAS REACTOR [01]
DA December 1, 1974
UF *University of Texas TRIGA Reactor*
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Pulsed Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 TRIGA Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Hydride Moderated Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Solid Homogeneous Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

TRIGA TYPE REACTORS [01]
DA December 1, 1974
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Hydride Moderated Reactors
BT2 Reactors
BT1 Research and Test Reactors
BT2 Reactors
BT1 Solid Homogeneous Reactors
BT2 Homogeneous Reactors
BT3 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors
NT1 AFRRI Reactor
NT1 ATPR Reactor
NT1 Colorado TRIGA-Mk-3 Reactor
NT1 Cornell TRIGA-Mk-2 Reactor
NT1 Dow TRIGA-Mk-1 Reactor
NT1 FIR-1 Reactor
NT1 FRF-2 Reactor
NT1 FRN Reactor
NT1 Gulf TRIGA-Mk-3 Reactor
NT1 LOPRA Reactor
NT1 NSCR Reactor
NT1 OSTR Reactor
NT1 PRPR Reactor
NT1 PSTR Reactor
NT1 RTP Reactor
NT1 TRICO Reactor
NT1 TRIGA-1-Arizona Reactor
NT1 TRIGA-1-California Reactor
NT1 TRIGA-1-Hanford Reactor
NT1 TRIGA-1-Hanover Reactor
NT1 TRIGA-1-Heidelberg Reactor
NT1 TRIGA-1-Michigan Reactor
NT1 TRIGA-2-Bandung Reactor
NT1 TRIGA-2-Dalat Reactor
NT1 TRIGA-2-Heidelberg Reactor
NT1 TRIGA-2-Illinois Reactor
NT1 TRIGA-2-Kansas Reactor
NT1 TRIGA-2-Ljubljana Reactor
NT1 TRIGA-2-Mainz Reactor
NT1 TRIGA-2-Musashi Reactor
NT1 TRIGA-2-Pavia Reactor
NT1 TRIGA-2 Reactor
NT1 TRIGA-2-Rikkyo Reactor
NT1 TRIGA-2-Rome Reactor
NT1 TRIGA-2-Seoul Reactor
NT1 TRIGA-2-Vienna Reactor
NT1 TRIGA-3-La Jolla Reactor
NT1 TRIGA-3-Munich Reactor
NT1 TRIGA-3-Salazar Reactor
NT1 TRIGA-3-Seoul Reactor
NT1 TRIGA-Brazil Reactor
NT1 TRIGA-Texas Reactor
NT1 TRIGA-Veterans Reactor
NT1 UCBRR Reactor
NT1 UWNR Reactor
NT1 WSUR Reactor

TRIGA-VETERANS REACTOR [01]
(Omaha V.A. Medical Center/U.S. Veterans Administration, Omaha, Nebraska, USA.)
DA December 1, 1974
UF *Omaha Veterans TRIGA-Mk-1*
UF *Veterans Administration Hospital TRIGA Reactor*
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 TRIGA Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Hydride Moderated Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Solid Homogeneous Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

TRIGGER CIRCUITS [01]
DA December 1, 1974
BT1 Pulse Circuits
BT2 Electronic Circuits
NT1 Transistor Trigger Circuits

TRIGLYCERIDES [01]
DA December 1, 1974
BT1 Esters
BT2 Organic Compounds
BT1 Lipids
BT2 Organic Compounds
NT1 Butter Fat
NT1 Corn Oil
NT1 Croton Oil
NT1 Linseed Oil
NT1 Olive Oil
NT1 Peanut Oil
NT1 Soybean Oil
NT1 Triolein
RT Glycerol
RT Oils

TRIGONAL LATTICES [01]
DA December 1, 1974
UF *Rhombohedral Lattices*
BT1 Crystal Lattices
BT2 Crystal Structure

Trihydroxyaromatics
DA December 1, 1974
USE Polyphenols

1,2,3-Trihydroxybenzene
DA December 1, 1974
USE Pyrogallol

Trihydroxybenzoic Acid
DA December 1, 1974
USE Gallic Acid

TRIHYDROXYGLUTARIC ACID [01]
DA December 1, 1974
UF *Trioxyglutaric Acid*
BT1 Hydroxy Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds

TRIIODOTHYRONINE [01]
DA December 1, 1974
UF *T3 Hormone*
BT1 Thyroid Hormones
BT2 Peptide Hormones
BT3 Hormones
BT3 Proteins
BT4 Organic Compounds
RT Diiodothyronine
RT Thyronine

Triketohydrindane
DA December 1, 1974
USE Ninhydrin

Trilaurylamine
(Prior to July 1985, this was a valid descriptor and older material is so indexed.)
DA January 22, 1975
USE Tridodecylamine

TRILLIUM [01]
DA December 1, 1974
BT1 Liliopsida
BT2 Magnoliophyta
BT3 Plants

TRILLO-1 REACTOR [01]
(Trillo, Guadalajara, Spain)
DA September 6, 1979
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

Trimethylacetic Acid
DA December 1, 1974
USE Pivalic Acid

1,3,5-Trimethylbenzene
DA December 1, 1974
USE Mesitylene

1,3,7-Trimethylxanthine
DA December 1, 1974
USE Caffeine

TRINEUTRONS [01]
DA December 1, 1974
BT1 Polyneutrons
BT2 Neutrons
BT3 Nucleons
BT4 Baryons
BT5 Fermions
BT5 Hadrons
BT6 Elementary Particles

TRINIDAD AND TOBAGO [01]
DA January 30, 1975
BT1 Lesser Antilles
BT2 West Indies
BT3 Islands

Trinitrophenol
DA December 1, 1974
USE Picric Acid

Trinitrotoluene
DA December 1, 1974
USE TNT

TRINITY EVENT [01]
DA December 1, 1974
BT1 Atmospheric Explosions
BT2 Explosions
BT1 Nuclear Explosions
BT2 Explosions

Trino Vercellese Reactor
DA December 1, 1974
USE Selni Reactor

Trinonylamine
DA December 1, 1974
USE TNA

Trioctylamine
DA December 1, 1974
USE TOA

Trioctylphosphine Oxide
DA December 1, 1974
USE TOPO

Trioctylphosphine Sulfide
DA December 1, 1974
USE TOPS

TRIODE TUBES [01]
DA December 1, 1974
BT1 Electron Tubes

TRIOLEIN [01]
DA December 1, 1974
UF *Glyceryl Trioleate*
UF *Olein*
BT1 Oils
BT2 Other Organic Compounds
BT3 Organic Compounds
BT1 Triglycerides
BT2 Esters
BT3 Organic Compounds
BT2 Lipids
BT3 Organic Compounds
RT Oleic Acid

TRIOXANES [01]
DA December 1, 1974
BT1 Heterocyclic Compounds
BT2 Organic Compounds
BT1 Organic Oxygen Compounds
BT2 Organic Compounds
RT Organic Solvents

Trioxyglutaric Acid
DA December 1, 1974
USE Trihydroxyglutaric Acid

TRIPHENYLENE [01]
DA December 1, 1974
BT1 Condensed Aromatics
BT2 Aromatics
BT3 Organic Compounds
BT1 Hydrocarbons
BT2 Organic Compounds

TRIPHENYLMETHANE DYES [01]
DA December 1, 1974
BT1 Dyes
NT1 Aluminon
NT1 Aurin
NT1 Methyl Violet
NT1 Methylthymol Blue

Triphenylphosphine Oxide
DA December 1, 1974
USE TPO

TRIPLASMATRONS [01]
DA December 1, 1974
BT1 Ion Sources
BT1 Plasmatrons
BT2 Electron Tubes

TRIPLE POINT [01]
(The temperature and pressure at which the solid, liquid, and vapor phases of a substance coexist in equilibrium with one another.)
DA July 8, 1986
RT Phase Diagrams
RT Phase Transformations
DEF The temperature and pressure at which the solid, liquid, and vapor of a substance are in equilibrium with one another.

Triplet Particles
DA December 1, 1974
USE Quarks

TRIPLETS [01]
DA December 1, 1974
BT1 Multiplets

Tristan Project
DA October 24, 1981
USE Tristan Storage Rings

TRISTAN SEPARATOR [01]
DA March 26, 1985
BT1 Electromagnetic Isotope Separators
BT1 Reactor Experimental Facilities
BT2 Reactor Components
RT HFBR Reactor
DEF An on-line isotope separator facility for the study of neutron-rich nuclei far from stability located at the High-Flux Beam Reactor at BNL.

TRISTAN STORAGE RINGS [01]
(Transposable Ring Intersecting STorage Accelerators in Nippon.)
DA October 24, 1981
UF *KEK Inters. Storage Accelerator*
UF *Tristan Project*
BT1 Storage Rings

Tritiated Compounds
DA December 1, 1974
USE Tritium Compounds

Tritiated Water
DA December 1, 1974
USE Tritium Oxides

Triticum
DA December 1, 1974
USE Wheat

→**TRITIDES [01]**
DA March 7, 1991
BT1 Tritium Compounds
BT2 Hydrogen Compounds
NT1 Deuterium Tritide
NT1 Helium Tritides
NT1 Hydrogen Tritide
NT1 Lithium Tritides

TRITIUM [01]
DA December 1, 1974
UF *Hydrogen 3*
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hydrogen Isotopes
BT2 Isotopes
BT1 Light Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
RT Thermonuclear Fuels
RT Tritium Meters
RT Tritons

TRITIUM COMPOUNDS [01]
DA December 1, 1974
UF *Tritiated Compounds*
UF+ *DTO*
UF+ *HTO*
BT1 Hydrogen Compounds
NT1 Tritides
NT2 Deuterium Tritide
NT2 Helium Tritides
NT2 Hydrogen Tritide
NT2 Lithium Tritides
NT1 Tritium Oxides
RT Heavy Water
RT Labelled Compounds
RT Tritium Extraction Plants

TRITIUM EXTRACTION PLANTS [01]
DA December 20, 1978
BT1 Isotope Separation Plants
BT2 Industrial Plants
BT2 Nuclear Facilities
RT Tritium Compounds

TRITIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

TRITIUM METERS [01]
DA September 11, 1978
BT1 Meters
BT2 Measuring Instruments
RT Chemical Analysis
RT Tritium

TRITIUM OXIDES [01]
DA June 30, 1975
UF *Tritiated Water*
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds
BT1 Tritium Compounds
BT2 Hydrogen Compounds

TRITIUM PRODUCTION REACTORS [01]
DA December 1, 1974
BT1 Irradiation Reactors
BT2 Reactors
NT1 Celestin Reactor

TRITIUM RECOVERY [01]
(In thermonuclear reactors and/or devices.)
DA September 11, 1975
UF *Recovery (Tritium)*
SF *Recovery*
RT Breeding
RT Confinement
RT Thermonuclear Devices
RT Thermonuclear Reactors

TRITIUM SYSTEMS TEST ASSEMBLY [01]
DA May 21, 1983
UF *TSTA*
BT1 Test Facilities
RT Thermonuclear Fuels
RT Thermonuclear Reactor Fueling
DEF The TSTA was designed in order to test and demonstrate the safe handling of tritium in a manner similar to that required for a fusion reactor.

TRITIUM TARGET [01]
DA July 9, 1976
BT1 Targets

Triton
DA December 1, 1974
SEE Tritons
OR Triturus

TRITON BEAMS [01]
DA December 1, 1974
BT1 Radioactive Ion Beams
BT2 Ion Beams
BT3 Beams
RT Tritons

TRITON REACTIONS [01]
DA December 1, 1974
BT1 Charged-Particle Reactions
BT2 Nuclear Reactions

TRITON REACTOR [01]
(CEA, Paris, France.)
DA December 1, 1974
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

TRITONS [01]
DA December 1, 1974
SF *Triton*
BT1 Charged Particles
RT Antitritons
RT Tritium
RT Triton Beams

TRITURUS [01]
DA December 1, 1974
SF *Triton*
BT1 Salamanders
BT2 Amphibians
BT3 Aquatic Organisms
BT3 Vertebrates
BT4 Animals

TRIUMF CYCLOTRON [01]
DA December 1, 1974
UF *Tri-University Meson Facility*
BT1 Isochronous Cyclotrons
BT2 Cyclotrons
BT3 Cyclic Accelerators
BT4 Accelerators

Trochotrons
DA December 1, 1974
USE Counting Tubes

TROILITE
DA March 31, 1976
BT1 Pyrrhotite
BT2 Iron Sulfides
BT3 Iron Compounds
BT4 Transition Element Compounds
BT3 Sulfides
BT4 Chalcogenides
BT4 Sulfur Compounds
BT2 Sulfide Minerals
BT3 Minerals
RT Iron Meteorites
DEF A hexagonal mineral present in small amounts in almost all meteorites: FeS. It is a variety of pyrrhotite with almost no ferrous-iron deficiency.

TROJAN REACTOR [01]
(Prescott, Oregon, USA)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

Trombay R-5 Reactor
(Prior to 1989 this was a valid descriptor, and older material is so indexed.)
DA December 1, 1974
USE Dhruva Reactor

TROMBE WALLS
DA October 20, 1977
BT1 Passive Solar Heating Systems
BT2 Solar Heating Systems
BT3 Heating Systems
BT4 Energy Systems
BT3 Solar Equipment
BT4 Equipment
BT1 Walls
RT Buildings
RT Sensible Heat Storage

TROMEXAN [01]
DA December 1, 1974
BT1 Coumarins
BT2 Anticoagulants
BT3 Hematologic Agents
BT4 Drugs

TROMMELS
DA April 9, 1982
BT1 Screens
RT Particle Size Classifiers

TRONA
DA June 12, 1975
BT1 Carbonate Minerals
BT2 Minerals
BT1 Sodium Carbonates
BT2 Carbonates
BT3 Carbon Compounds
BT3 Oxygen Compounds
BT2 Sodium Compounds
BT3 Alkali Metal Compounds
DEF Naturally occurring sodium sesquicarbonate, $Na_2CO_3.NaHCO_3.2H_2O$.

TROPICAL MEDICINE [01]
DA December 1, 1974
BT1 Medicine
RT Tropical Regions

TROPICAL REGIONS [01]
DA December 1, 1974
RT Climates
RT Savannas
RT Tropical Medicine

TROPOMYOSIN
DA January 15, 1980
BT1 Proteins
BT2 Organic Compounds
RT Actin
RT Muscles
RT Myosin

TROPONES [01]
DA December 1, 1974
UF *Cycloheptatrienones*
BT1 Ketones
BT2 Organic Compounds

TROPOPAUSE [01]
DA December 1, 1974
BT1 Troposphere
BT2 Earth Atmosphere
RT Global Fallout
RT Stratosphere

TROPOSKIEN SHAPE
DA April 8, 1975
BT1 Shape
RT Wind Turbines
DEF The shape that a perfectly flexible cable of uniform density and cross section would assume if spun about a vertical axis. If this shape is used for turbine blades operating on a vertical axis, then rotation will not cause the blades to bend, and all stresses will be pure tension.

TROPOSPHERE [01]
DA December 1, 1974
BT1 Earth Atmosphere
NT1 Tropopause
RT Air
RT Air-Water Interactions

TROUT [01]
DA December 1, 1974
BT1 Fishes
BT2 Aquatic Organisms
BT2 Vertebrates
BT3 Animals
RT Seafood

TRR-1 REACTOR [01]
DA December 1, 1974
UF *Thai Research Reactor-1*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors

TRU Wastes
DA January 9, 1981
USE Alpha-Bearing Wastes

TRUCKS
DA May 15, 1975
BT1 Vehicles
RT Occupants
RT Road Tests
RT Trailers

TRUEX PROCESS [01]
DA August 1, 1989
BT1 Separation Processes
RT CMPO
RT Solvent Extraction

TRUST TERRITORY OF THE PACIFIC ISLANDS [01]
DA December 17, 1979
UF *Palau Islands*
BT1 Islands
BT1 USA
BT2 Developed Countries
BT2 North America
NT1 Mariana Islands
NT2 Guam
RT Pacific Ocean
DEF The Territory encompasses more than 2,000 Pacific islets, atolls, and mountainous islands with a population of about 113,000.

TRUTH MODEL
DA November 7, 1979
UF *Top Quark Model*
BT1 Flavor Model
BT2 Quark Model
BT3 Composite Models
BT4 Particle Models
BT5 Mathematical Models
RT Toponium

TRW PROCESS
DA April 27, 1978
BT1 Desulfurization

BT2 Chemical Reactions
RT Coal Preparation
DEF Pyritic sulfur is removed by leaching with aqueous ferric sulfate at moderate temperatures, pressures and long retention times. The process employs extensive water washing for sulfate removal. The ferric ion lixivant is simultaneously regenerated in the reaction chamber using oxygen.

TRX-1
DA October 5, 1982
USE Reverse-Field Pinch
DEF TRX-1 is a 20-cm diameter, 1-m long field-reversed theta pinch with a magnetic field swing of 10kG in 3 μsec. It employs z discharge preionization and octupole barrier fields to maximize flux trapping on first half cycle operation. Cusp coils are used at the theta pinch ends to delay reconnection and fast mirror coils are used to trigger reconnection at a time designed to maximize axial heating efficiency and toroid lifetime.

Trypaflavine
DA December 1, 1974
USE Acriflavine

TRYPAN BLUE [01]
DA December 1, 1974
BT1 Amines
BT2 Organic Compounds
BT1 Azo Dyes
BT2 Azo Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
BT2 Dyes
BT1 Naphthols
BT2 Phenols
BT3 Aromatics
BT4 Organic Compounds
BT3 Hydroxy Compounds
BT4 Organic Compounds
BT1 Sulfonic Acids
BT2 Organic Acids
BT3 Organic Compounds
BT2 Organic Sulfur Compounds
BT3 Organic Compounds

TRYPANOSOMA [01]
DA December 1, 1974
BT1 Mastigophora
BT2 Protozoa
BT3 Invertebrates
BT4 Animals
BT3 Microorganisms
BT1 Parasites
RT Glossina
RT Trypanosomiasis

TRYPANOSOMES
DA January 22, 1975
RT Parasites

TRYPANOSOMIASIS [01]
DA December 1, 1974
BT1 Parasitic Diseases
BT2 Infectious Diseases
BT3 Diseases
RT Trypanosoma

TRYPSIN [01]
(Code number 3.4.21.4.)
DA December 1, 1974
BT1 Serine Proteinases
BT2 Peptide Hydrolases
BT3 Hydrolases
BT4 Enzymes
BT5 Proteins
BT6 Organic Compounds
RT Digestion
RT Pancreas

TRYPTAMINES [01]
DA December 1, 1974
BT1 Amines
BT2 Organic Compounds
BT1 Indoles
BT2 Azaarenes
BT3 Aromatics
BT4 Organic Compounds
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
BT2 Pyrroles
BT3 Azoles
BT4 Heterocyclic Compounds
BT5 Organic Compounds
BT4 Organic Nitrogen Compounds
BT5 Organic Compounds
NT1 Melatonin
NT1 Serotonin
NT2 Bufotenine

TRYPTOPHAN [01]
DA December 1, 1974
BT1 Amino Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT1 Heterocyclic Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT2 Heterocyclic Compounds
BT3 Organic Compounds
BT1 Indoles
BT2 Azaarenes
BT3 Aromatics
BT4 Organic Compounds
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
BT2 Pyrroles
BT3 Azoles
BT4 Heterocyclic Compounds
BT5 Organic Compounds
BT4 Organic Nitrogen Compounds
BT5 Organic Compounds
RT Hydroxytryptophan

TRYPTOPHAN OXYGENASE [01]
DA December 1, 1974
UF *Pyrrolase (Tryptophan)*
BT1 Oxygenases
BT2 Oxidoreductases
BT3 Enzymes
BT4 Proteins
BT5 Organic Compounds

Tschebyscheff Approximation
DA December 1, 1974
USE Polynomials

Tsetse Fly
DA December 1, 1974
USE Glossina

TSH [01]
DA December 1, 1974
UF *Thyroid Stimulating Hormone*
BT1 Pituitary Hormones
BT2 Peptide Hormones
BT3 Hormones
BT3 Proteins
BT4 Organic Compounds
RT Thyroid Hormones
RT TRH

TSL PROCESS
DA November 7, 1979
BT1 Coal Liquefaction
BT2 Liquefaction
BT3 Thermochemical Processes
DEF Coal is dissolved and partially hydrogenated in a process derived solvent (as in SRC Process) and then catalytically hydrocracked in a separate reactor (as in LC-Fining).

TSP
DA May 18, 1981
USE Total Suspended Particulates

TSP Tokamak
DA August 30, 1993
USE T-14 Tokamak

TSR-1 REACTOR [01]
(Oak Ridge National Lab., Oak Ridge, Tennessee, USA.)
DA December 1, 1974
UF *Tower Shielding Reactor-1*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors

TSR-2 REACTOR [01]
DA December 1, 1974
UF *Tower Shielding Reactor-2*
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors

TSTA
DA May 21, 1983
USE Tritium Systems Test Assembly

Tsukuba KEK Synchrotron
DA June 30, 1975
USE KEK Synchrotron

TSUNAMIS [01]
DA December 1, 1974
UF *Tidal Waves*
BT1 Disasters
BT1 Water Waves
BT2 Gravity Waves
RT Earthquakes
RT Seas
RT Seismic Waves

Tsuruga-1 Reactor
DA July 20, 1983
USE Tsuruga Reactor

TSURUGA-2 REACTOR [01]
DA July 20, 1983
UF *JAPCO Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

TSURUGA REACTOR [01]
(Tsuruga, Fukui, Japan)
DA December 1, 1974
UF *JAPCO-2 Reactor*
UF *Tsuruga-1 Reactor*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

TTA [01]
DA December 1, 1974
UF *Thenoyltrifluoroacetone*
BT1 Heterocyclic Compounds
BT2 Organic Compounds
BT1 Ketones
BT2 Organic Compounds

BT1 Organic Fluorine Compounds
BT2 Organic Halogen Compounds
BT3 Organic Compounds
BT1 Organic Sulfur Compounds
BT2 Organic Compounds
RT Thiophene

TTF
DA November 25, 1980
UF *Tetrathiafulvalene*
BT1 Heterocyclic Compounds
BT2 Organic Compounds
BT1 Organic Sulfur Compounds
BT2 Organic Compounds

TTF-TCNQ
DA September 30, 1975
UF *Tetrathiafulvalene Tetracyanoquinodimethane*
BT1 Heterocyclic Compounds
BT2 Organic Compounds
BT1 Nitriles
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
BT1 Organic Sulfur Compounds
BT2 Organic Compounds
BT1 Organic Superconductors
BT2 Superconductors
RT Superconductors

TTMP
DA December 1, 1974
USE Transit-Time Magnetic Pumping

TTR-1 Toshiba Reactor
DA December 1, 1974
USE Toshiba Reactor

Tube Model
DA March 4, 1980
USE Coherent Tube Model

TUBERCULIN [01]
DA December 1, 1974
BT1 Antigens

TUBERCULOSIS [01]
DA December 1, 1974
BT1 Bacterial Diseases
BT2 Infectious Diseases
BT3 Diseases
RT Mycobacterium Tuberculosis
RT PAS
RT Streptomycin

TUBERS [01]
DA December 1, 1974
NT1 Potatoes
RT Plants

TUBES [01]
(For objects of tubular shape; not for DRIFT TUBES, ELECTRON TUBES or IMAGE STORAGE TUBES.)
DA December 1, 1974
NT1 Baffled Tubes
NT1 Guide Tubes
NT1 Pressure Tubes
RT Borescopes
RT Corrosion Denting
RT Coverings
RT Cylinders
RT Ducts
RT Hoses
RT Pipes
RT Reactor Cooling Systems
RT Shape
RT Tunnels

Tubes (Conduits)
DA December 1, 1974
USE Pipes

Tubular Pinch Devices (Linear)
DA December 1, 1974
USE Linear Hard Core Pinch Devices

TUBULES [01]
(Renal structures.)
DA December 1, 1974
BT1 Kidneys
BT2 Organs
BT3 Body
RT Aldosterone
RT Glomeruli
RT Renal Clearance
RT Vasopressin

TUFF [01]
DA December 1, 1974
RT Rocks
DEF A compacted pyroclastic deposit or volcanic ash and dust.

TULLNERFELD REACTOR [01]
DA December 1, 1974
UF *Zwentendorf Reactor*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

TUMAN DEVICES [01]
DA December 1, 1974
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

TUMBLER PROJECT [01]
DA December 1, 1974
RT Nuclear Weapons

TUMBLEWEEDS [01]
DA April 17, 1981
UF *Russian Thistle*
UF *Salsola Kali*
BT1 Magnoliopsida
BT2 Magnoliophyta
BT3 Plants
RT Biomass

TUMOR CELLS [01]
DA December 1, 1974
UF *Giant Cells*
BT1 Animal Cells
NT1 Ascites Tumor Cells
RT Cell Cultures
RT Hela Cells
RT In Vivo
RT Neoplasms

TUMOR PROMOTERS [01]
DA October 7, 1980
SF *Chemicals*
BT1 Promoters
RT Carcinogens
RT Mutagens
RT Neoplasms
RT Toxic Materials
DEF Chemical agents which are not mutagenic or carcinogenic in themselves, but which will accelerate the growth of a preexisting tumor.

Tumor Viruses
DA August 19, 1975
USE Oncogenic Viruses

Tumors
DA December 1, 1974
USE Neoplasms

Tun Ismail Atomic Research Center
DA February 22, 1985
USE PUSPATI

TUNA [01]
DA December 1, 1974
BT1 Fishes
BT2 Aquatic Organisms
BT2 Vertebrates
BT3 Animals

TUNDRA [01]
DA June 16, 1975
RT Arctic Regions
RT Climates
RT Terrestrial Ecosystems

TUNGSTATES [01]
DA December 1, 1974
NT1 Aluminium Tungstates
NT1 Ammonium Tungstates
NT1 Barium Tungstates
NT1 Bismuth Tungstates
NT1 Cadmium Tungstates
NT1 Calcium Tungstates
NT1 Cerium Tungstates
NT1 Cesium Tungstates
NT1 Cobalt Tungstates
NT1 Copper Tungstates
NT1 Dysprosium Tungstates
NT1 Erbium Tungstates
NT1 Gadolinium Tungstates
NT1 Hafnium Tungstates
NT1 Indium Tungstates
NT1 Iron Tungstates
NT1 Lanthanum Tungstates
NT1 Lead Tungstates
NT1 Lithium Tungstates
NT1 Lutetium Tungstates
NT1 Manganese Tungstates
NT1 Neodymium Tungstates
NT1 Nickel Tungstates
NT1 Potassium Tungstates
NT1 Praseodymium Tungstates
NT1 Rubidium Tungstates
NT1 Samarium Tungstates
NT1 Scandium Tungstates
NT1 Silver Tungstates
NT1 Sodium Tungstates
NT1 Strontium Tungstates
NT1 Tantalum Tungstates
NT1 Thallium Tungstates
NT1 Thorium Tungstates
NT1 Tin Tungstates
NT1 Titanium Tungstates
NT1 Uranium Tungstates
NT1 Uranyl Tungstates
NT1 Vanadium Tungstates
NT1 Ytterbium Tungstates
NT1 Yttrium Tungstates
NT1 Zinc Tungstates
NT1 Zirconium Tungstates

TUNGSTEN [01]
DA December 1, 1974
UF *Wolfram*
BT1 Transition Elements
BT2 Metals
BT3 Elements
NT1 Tungsten-Alpha
RT Refractory Metals

TUNGSTEN 158 [01]
DA July 3, 1986
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Tungsten Isotopes
BT2 Isotopes

TUNGSTEN 159 [01]
DA July 3, 1986
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tungsten Isotopes
BT2 Isotopes

TUNGSTEN 160 [01]
DA October 23, 1979
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei

BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tungsten Isotopes
BT2 Isotopes

TUNGSTEN 161 [01]
DA December 5, 1988
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tungsten Isotopes
BT2 Isotopes

TUNGSTEN 162 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tungsten Isotopes
BT2 Isotopes

TUNGSTEN 163 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tungsten Isotopes
BT2 Isotopes

TUNGSTEN 164 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tungsten Isotopes
BT2 Isotopes

TUNGSTEN 165 [01]
DA October 1, 1975
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nucle
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tungsten Isotopes
BT2 Isotopes

TUNGSTEN 166 [01]
DA October 1, 1975
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tungsten Isotopes
BT2 Isotopes

TUNGSTEN 167 [01]
DA December 13, 1985
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tungsten Isotopes
BT2 Isotopes

TUNGSTEN 168 [01]
DA March 6, 1984
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tungsten Isotopes
BT2 Isotopes

TUNGSTEN 169 [01]
DA September 26, 1979
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tungsten Isotopes
BT2 Isotopes

TUNGSTEN 170 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tungsten Isotopes
BT2 Isotopes

TUNGSTEN 171 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tungsten Isotopes
BT2 Isotopes

TUNGSTEN 172 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tungsten Isotopes
BT2 Isotopes

TUNGSTEN 173 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tungsten Isotopes
BT2 Isotopes

TUNGSTEN 174 [01]
DA December 1, 1974
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tungsten Isotopes
BT2 Isotopes

TUNGSTEN 175 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes

BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tungsten Isotopes
BT2 Isotopes

TUNGSTEN 176 [01]
DA December 1, 1974
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tungsten Isotopes
BT2 Isotopes

TUNGSTEN 177 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Tungsten Isotopes
BT2 Isotopes

TUNGSTEN 178 [01]
DA December 1, 1974
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Tungsten Isotopes
BT2 Isotopes

TUNGSTEN 179 [01]
DA December 1, 1974
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tungsten Isotopes
BT2 Isotopes

TUNGSTEN 180 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Stable Isotopes
BT2 Isotopes
BT1 Tungsten Isotopes
BT2 Isotopes

TUNGSTEN 180 TARGET [01]
DA July 9, 1976
BT1 Targets

TUNGSTEN 181 [01]
DA December 1, 1974
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tungsten Isotopes
BT2 Isotopes

TUNGSTEN 182 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
BT1 Tungsten Isotopes
BT2 Isotopes

TUNGSTEN 182 TARGET [01]
DA July 9, 1976
BT1 Targets

TUNGSTEN 183 [01]
DA December 1, 1974
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Stable Isotopes
BT2 Isotopes
BT1 Tungsten Isotopes
BT2 Isotopes

TUNGSTEN 183 REACTIONS [01]
DA March 6, 1984
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

TUNGSTEN 183 TARGET [01]
DA July 9, 1976
BT1 Targets

TUNGSTEN 184 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
BT1 Tungsten Isotopes
BT2 Isotopes

TUNGSTEN 184 BEAMS [01]
DA April 13, 1977
BT1 Ion Beams
BT2 Beams

TUNGSTEN 184 REACTIONS [01]
DA November 30, 1982
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

TUNGSTEN 184 TARGET [01]
DA July 9, 1976
BT1 Targets

TUNGSTEN 185 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tungsten Isotopes
BT2 Isotopes

TUNGSTEN 185 TARGET [01]
DA December 11, 1985
BT1 Targets

TUNGSTEN 186 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
BT1 Tungsten Isotopes
BT2 Isotopes

TUNGSTEN 186 TARGET [01]
DA July 9, 1976
BT1 Targets

TUNGSTEN 187 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Tungsten Isotopes
BT2 Isotopes

TUNGSTEN 188 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Tungsten Isotopes
BT2 Isotopes

TUNGSTEN 189 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tungsten Isotopes
BT2 Isotopes

TUNGSTEN 190 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tungsten Isotopes
BT2 Isotopes

TUNGSTEN 192 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Tungsten Isotopes
BT2 Isotopes

TUNGSTEN ADDITIONS [01]
DA December 1, 1974
BT1 Tungsten Alloys
BT2 Alloys
NT1 Alloy-Ni48Cr22Fe18Mo9
NT2 Nimonic PE13
NT1 Alloy-Ni49Cr22Fe18Mo9
NT2 Hastelloy X
NT1 Alloy-Ni50Cr22Fe18Mo9
NT2 Hastelloy XR
NT1 Alloy-Ni62Cr16Mo15Fe3
NT2 Hastelloy S
NT1 Steel-Ni4CrW

TUNGSTEN ALLOYS [01]
DA December 1, 1974
BT1 Alloys
NT1 Alloy-C-103
NT1 Alloy-Co36Cr22Ni22W15Fe3
NT2 Haynes 188 Alloy
NT1 Alloy-Co43Cr20Fe18Ni13W3
NT2 HAVAR
NT1 Alloy-Co54Cr20W15Ni10
NT2 Alloy-HS-25
NT2 Haynes 25 Alloy
NT1 Alloy-Co60Cr30W4
NT2 Haynes Stellite 6B
NT2 Stellite 6
NT1 Alloy-Co64Cr29W4
NT2 Stellite 156
NT1 Alloy-Co66Cr26W6
NT2 Deloro Stellite 6
NT1 Alloy-D-979
NT1 Alloy-Fe31Cr21Co20Ni20Mo3W2
NT2 Alloy-HD-556
NT2 Alloy-N-155
NT1 Alloy-IN-102
NT1 Alloy-KhN50MBVYu
NT1 Alloy-Mar-M246
NT1 Alloy-MN-21
NT1 Alloy-Mo-Re-1
NT1 Alloy-N55M20V25
NT1 Alloy-N65M20V15
NT1 Alloy-Ni45Cr23Fe19Co3Mo3W3
NT1 Alloy-Ni47Cr25Co12W9Fe3
NT2 Alloy-IN-643
NT2 Inconel 643
NT1 Alloy-Ni54Mo17Cr16Fe6W4
NT2 Hastelloy C
NT1 Alloy-Ni56Cr21W10Mo5Fe4Al2
NT1 Alloy-Ni58Cr14Co8Al4Mo4Nb4W4
NT2 Rene 95
NT1 Alloy-Ni60Cr14Co10Ti5Mo4W4Al3
NT2 Rene 80
NT1 Alloy-Ni60Cr25W15
NT1 Alloy-Ni61Cr16Co9Al3Ti3W3
NT2 Alloy-IN-738
NT1 Alloy-Ni65Mo16Cr15W4
NT1 Alloy-Ni67Cr19Mo5W5Ti3
NT1 Alloy-Ni68Cr15W6Al3Mo3Fe2
NT1 Alloy-RA-333
NT1 Alloy-S-590
NT1 Alloy-S-816
NT1 Alloy-Ta90W8Hf
NT2 Tantalum Alloy-T111
NT1 Alloy-V-36
NT1 Astar 811C
NT1 Carboloy
NT1 HAVAR
NT1 Haynes 25 Alloy
NT1 Magnet Steel-KS
NT1 Miduale
NT1 Rene 80
NT1 Rene 95
NT1 Supertherm
* **NT1** Tungsten Additions
NT1 Tungsten Base Alloys
NT2 Alloy-Mo-Re-2
NT1 Tungsten Bronze
NT1 Udimet 500

TUNGSTEN-ALPHA [01]
DA November 19, 1985
BT1 Tungsten
BT2 Transition Elements
BT3 Metals
BT4 Elements

TUNGSTEN BASE ALLOYS [01]
DA December 1, 1974
BT1 Tungsten Alloys
BT2 Alloys
NT1 Alloy-Mo-Re-2

TUNGSTEN BORIDES [01]
DA December 1, 1974
BT1 Borides
BT2 Boron Compounds
BT1 Tungsten Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

TUNGSTEN BROMIDES [01]
DA December 1, 1974
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Tungsten Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

TUNGSTEN BRONZE [01]
DA December 1, 1974
BT1 Copper Base Alloys
BT2 Copper Alloys
BT3 Alloys
BT1 Tungsten Alloys
BT2 Alloys

TUNGSTEN CARBIDES [01]
DA December 1, 1974
BT1 Carbides
BT2 Carbon Compounds
BT1 Tungsten Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

TUNGSTEN CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Tungsten Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

TUNGSTEN COMPLEXES [01]
DA December 1, 1974
BT1 Transition Element Complexes
BT2 Complexes

TUNGSTEN COMPOUNDS [01]
DA December 1, 1974
BT1 Refractory Metal Compounds
BT1 Transition Element Compounds
NT1 Tungsten Borides
NT1 Tungsten Bromides
NT1 Tungsten Carbides
NT1 Tungsten Chlorides
NT1 Tungsten Fluorides
NT1 Tungsten Hydrides
NT1 Tungsten Hydroxides
NT1 Tungsten Iodides
NT1 Tungsten Nitrides
NT1 Tungsten Oxides
NT2 Sodium Tungsten Bronze
NT1 Tungsten Phosphides
NT1 Tungsten Selenides
NT1 Tungsten Silicides
NT1 Tungsten Sulfides
NT1 Tungsten Tellurides
NT1 Tungstophosphates

TUNGSTEN FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Tungsten Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

TUNGSTEN HYDRIDES [01]
DA January 22, 1975
BT1 Hydrides
BT2 Hydrogen Compounds
BT1 Tungsten Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

TUNGSTEN HYDROXIDES [01]
DA December 1, 1974
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds
BT1 Tungsten Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

TUNGSTEN IODIDES [01]
DA December 1, 1974
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds
BT1 Tungsten Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

TUNGSTEN IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

TUNGSTEN ISOTOPES [01]
DA December 1, 1974
BT1 Isotopes
NT1 Tungsten 158
NT1 Tungsten 159
NT1 Tungsten 160
NT1 Tungsten 161
NT1 Tungsten 162
NT1 Tungsten 163
NT1 Tungsten 164
NT1 Tungsten 165
NT1 Tungsten 166
NT1 Tungsten 167
NT1 Tungsten 168
NT1 Tungsten 169
NT1 Tungsten 170
NT1 Tungsten 171
NT1 Tungsten 172
NT1 Tungsten 173
NT1 Tungsten 174
NT1 Tungsten 175
NT1 Tungsten 176

BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tungsten Isotopes
BT2 Isotopes

TUNGSTEN 176 [01]
DA December 1, 1974
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tungsten Isotopes
BT2 Isotopes

TUNGSTEN 177 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Tungsten Isotopes
BT2 Isotopes

TUNGSTEN 178 [01]
DA December 1, 1974
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Tungsten Isotopes
BT2 Isotopes

TUNGSTEN 179 [01]
DA December 1, 1974
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tungsten Isotopes
BT2 Isotopes

TUNGSTEN 180 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Stable Isotopes
BT2 Isotopes
BT1 Tungsten Isotopes
BT2 Isotopes

TUNGSTEN 180 TARGET [01]
DA July 9, 1976
BT1 Targets

TUNGSTEN 181 [01]
DA December 1, 1974
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tungsten Isotopes
BT2 Isotopes

TUNGSTEN 182 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
BT1 Tungsten Isotopes
BT2 Isotopes

TUNGSTEN 182 TARGET [01]
DA July 9, 1976
BT1 Targets

TUNGSTEN 183 [01]
DA December 1, 1974
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Stable Isotopes
BT2 Isotopes
BT1 Tungsten Isotopes
BT2 Isotopes

TUNGSTEN 183 REACTIONS [01]
DA March 6, 1984
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

TUNGSTEN 183 TARGET [01]
DA July 9, 1976
BT1 Targets

TUNGSTEN 184 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
BT1 Tungsten Isotopes
BT2 Isotopes

TUNGSTEN 184 BEAMS [01]
DA April 13, 1977
BT1 Ion Beams
BT2 Beams

TUNGSTEN 184 REACTIONS [01]
DA November 30, 1982
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

TUNGSTEN 184 TARGET [01]
DA July 9, 1976
BT1 Targets

TUNGSTEN 185 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tungsten Isotopes
BT2 Isotopes

TUNGSTEN 185 TARGET [01]
DA December 11, 1985
BT1 Targets

TUNGSTEN 186 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
BT1 Tungsten Isotopes
BT2 Isotopes

TUNGSTEN 186 TARGET [01]
DA July 9, 1976
BT1 Targets

TUNGSTEN 187 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Tungsten Isotopes
BT2 Isotopes

TUNGSTEN 188 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Tungsten Isotopes
BT2 Isotopes

TUNGSTEN 189 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tungsten Isotopes
BT2 Isotopes

TUNGSTEN 190 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Tungsten Isotopes
BT2 Isotopes

TUNGSTEN 192 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Heavy Nuclei
BT2 Nuclei
BT1 Tungsten Isotopes
BT2 Isotopes

TUNGSTEN ADDITIONS [01]
DA December 1, 1974
BT1 Tungsten Alloys
BT2 Alloys
NT1 Alloy-Ni48Cr22Fe18Mo9
NT2 Nimonic PE13
NT1 Alloy-Ni49Cr22Fe18Mo9
NT2 Hastelloy X
NT1 Alloy-Ni50Cr22Fe18Mo9
NT2 Hastelloy XR
NT1 Alloy-Ni62Cr16Mo15Fe3
NT2 Hastelloy S
NT1 Steel-Ni4CrW

TUNGSTEN ALLOYS [01]
DA December 1, 1974
BT1 Alloys
NT1 Alloy-C-103
NT1 Alloy-Co36Cr22Ni22W15Fe3
NT2 Haynes 188 Alloy
NT1 Alloy-Co43Cr20Fe18Ni13W3
NT2 HAVAR
NT1 Alloy-Co54Cr20W15Ni10
NT2 Alloy-HS-25
NT2 Haynes 25 Alloy
NT1 Alloy-Co60Cr30W4
NT2 Haynes Stellite 6B
NT2 Stellite 6
NT1 Alloy-Co64Cr29W4
NT2 Stellite 156
NT1 Alloy-Co66Cr26W6
NT2 Deloro Stellite 6
NT1 Alloy-D-979
NT1 Alloy-Fe31Cr21Co20Ni20Mo3W2
NT2 Alloy-HD-556
NT2 Alloy-N-155
NT1 Alloy-IN-102
NT1 Alloy-KhN50MBVYu
NT1 Alloy-Mar-M246
NT1 Alloy-MN-21
NT1 Alloy-Mo-Re-1
NT1 Alloy-N55M20V25
NT1 Alloy-N65M20V15
NT1 Alloy-Ni45Cr23Fe19Co3Mo3W3
NT1 Alloy-Ni47Cr25Co12W9Fe3
NT2 Alloy-IN-643
NT2 Inconel 643
NT1 Alloy-Ni54Mo17Cr16Fe6W4
NT2 Hastelloy C
NT1 Alloy-Ni56Cr21W10Mo5Fe4Al2
NT1 Alloy-Ni58Cr14Co8Al4Mo4Nb4W4
NT2 Rene 95
NT1 Alloy-Ni60Cr14Co10Ti5Mo4W4Al3
NT2 Rene 80
NT1 Alloy-Ni60Cr25W15
NT1 Alloy-Ni61Cr16Co9Al3Ti3W3
NT2 Alloy-IN-738
NT1 Alloy-Ni65Mo16Cr15W4
NT1 Alloy-Ni67Cr19Mo5W5Ti3
NT1 Alloy-Ni68Cr15W6Al3Mo3Fe2
NT1 Alloy-RA-333
NT1 Alloy-S-590
NT1 Alloy-S-816
NT1 Alloy-Ta90W8Hf
NT2 Tantalum Alloy-T111
NT1 Alloy-V-36
NT1 Astar 811C
NT1 Carboloy
NT1 HAVAR
NT1 Haynes 25 Alloy
NT1 Magnet Steel-KS
NT1 Miduale
NT1 Rene 80
NT1 Rene 95
NT1 Supertherm
* **NT1** Tungsten Additions
NT1 Tungsten Base Alloys
NT2 Alloy-Mo-Re-2
NT1 Tungsten Bronze
NT1 Udimet 500

TUNGSTEN-ALPHA [01]
DA November 19, 1985
BT1 Tungsten
BT2 Transition Elements
BT3 Metals
BT4 Elements

TUNGSTEN BASE ALLOYS [01]
DA December 1, 1974
BT1 Tungsten Alloys
BT2 Alloys
NT1 Alloy-Mo-Re-2

TUNGSTEN BORIDES [01]
DA December 1, 1974
BT1 Borides
BT2 Boron Compounds
BT1 Tungsten Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

TUNGSTEN BROMIDES [01]
DA December 1, 1974
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Tungsten Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

TUNGSTEN BRONZE [01]
DA December 1, 1974
BT1 Copper Base Alloys
BT2 Copper Alloys
BT3 Alloys
BT1 Tungsten Alloys
BT2 Alloys

TUNGSTEN CARBIDES [01]
DA December 1, 1974
BT1 Carbides
BT2 Carbon Compounds
BT1 Tungsten Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

TUNGSTEN CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Tungsten Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

TUNGSTEN COMPLEXES [01]
DA December 1, 1974
BT1 Transition Element Complexes
BT2 Complexes

TUNGSTEN COMPOUNDS [01]
DA December 1, 1974
BT1 Refractory Metal Compounds
BT1 Transition Element Compounds
NT1 Tungsten Borides
NT1 Tungsten Bromides
NT1 Tungsten Carbides
NT1 Tungsten Chlorides
NT1 Tungsten Fluorides
NT1 Tungsten Hydrides
NT1 Tungsten Hydroxides
NT1 Tungsten Iodides
NT1 Tungsten Nitrides
NT1 Tungsten Oxides
NT2 Sodium Tungsten Bronze
NT1 Tungsten Phosphides
NT1 Tungsten Selenides
NT1 Tungsten Silicides
NT1 Tungsten Sulfides
NT1 Tungsten Tellurides
NT1 Tungstophosphates

TUNGSTEN FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Tungsten Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

TUNGSTEN HYDRIDES [01]
DA January 22, 1975
BT1 Hydrides
BT2 Hydrogen Compounds
BT1 Tungsten Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

TUNGSTEN HYDROXIDES [01]
DA December 1, 1974
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds
BT1 Tungsten Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

TUNGSTEN IODIDES [01]
DA December 1, 1974
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds
BT1 Tungsten Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

TUNGSTEN IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

TUNGSTEN ISOTOPES [01]
DA December 1, 1974
BT1 Isotopes
NT1 Tungsten 158
NT1 Tungsten 159
NT1 Tungsten 160
NT1 Tungsten 161
NT1 Tungsten 162
NT1 Tungsten 163
NT1 Tungsten 164
NT1 Tungsten 165
NT1 Tungsten 166
NT1 Tungsten 167
NT1 Tungsten 168
NT1 Tungsten 169
NT1 Tungsten 170
NT1 Tungsten 171
NT1 Tungsten 172
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NT1 Tungsten 176

NT1 Tungsten 177
NT1 Tungsten 178
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NT1 Tungsten 181
NT1 Tungsten 182
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NT1 Tungsten 184
NT1 Tungsten 185
NT1 Tungsten 186
NT1 Tungsten 187
NT1 Tungsten 188
NT1 Tungsten 189
NT1 Tungsten 190
NT1 Tungsten 192

TUNGSTEN NITRIDES [01]
DA December 1, 1974
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides
BT1 Tungsten Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

TUNGSTEN ORES [01]
DA December 1, 1974
BT1 Ores

TUNGSTEN OXIDES [01]
DA December 1, 1974
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds
BT1 Tungsten Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
NT1 Sodium Tungsten Bronze
RT Oxide Minerals
RT Tungstophosphoric Acid
RT Wolframite

TUNGSTEN PHOSPHIDES [01]
DA July 7, 1976
BT1 Phosphides
BT2 Phosphorus Compounds
BT2 Pnictides
BT1 Tungsten Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

TUNGSTEN SELENIDES [01]
DA January 22, 1975
BT1 Selenides
BT2 Chalcogenides
BT2 Selenium Compounds
BT1 Tungsten Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

TUNGSTEN SILICIDES [01]
DA January 31, 1975
BT1 Silicides
BT2 Silicon Compounds
BT1 Tungsten Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

TUNGSTEN SULFIDES [01]
DA December 1, 1974
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds
BT1 Tungsten Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

TUNGSTEN TELLURIDES [01]
DA January 22, 1975
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds
BT1 Tungsten Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds

Tungsten Water Moderated Reactor
DA January 28, 1975
USE TWMR Reactor

TUNGSTOPHOSPHATES [01]
DA February 16, 1988
BT1 Oxygen Compounds
BT1 Phosphorus Compounds
BT1 Tungsten Compounds
BT2 Refractory Metal Compounds
BT2 Transition Element Compounds
RT Tungstophosphoric Acid

TUNGSTOPHOSPHORIC ACID [01]
DA December 1, 1974
UF *Phosphotungstic Acid*
UF *Phosphowolframic Acid*
UF *Wolframophosphoric Acid*
BT1 Inorganic Acids
BT2 Hydrogen Compounds
RT Heteropolyanions
RT Phosphoric Acid
RT Tungsten Oxides
RT Tungstophosphates

TUNING [01]
DA May 15, 1975
NT1 Mode Selection
RT Cavity Resonators
RT Frequency Selection
RT Resonance
RT RF Systems
RT Synchronization

TUNISIA [01]
DA December 1, 1974
BT1 Africa
BT1 Developing Countries

TUNNEL DIODES [01]
DA December 1, 1974
BT1 Semiconductor Diodes
BT2 Semiconductor Devices
RT Schottky Barrier Diodes

TUNNEL EFFECT [01]
DA December 1, 1974
RT Superconducting Junctions
RT Superconductivity

TUNNEL FURNACES
DA March 11, 1976
UF *Tunnel Kilns*
BT1 Furnaces

Tunnel Kilns
DA March 11, 1976
USE Tunnel Furnaces

TUNNELING [01]
(Not for the concept of electron tunneling, for which use TUNNEL EFFECT.)
DA May 3, 1978
RT Mining
RT Shaft Excavations
RT Tunnels
RT Underground Mining

TUNNELING MACHINES
DA April 9, 1985
BT1 Equipment
RT Excavation
RT Mining Equipment

TUNNELS [01]
DA December 1, 1974
BT1 Underground Facilities
NT1 Mine Roadways
NT1 Wind Tunnels
RT Excavation
RT Mine Drivage
RT Subsurface Structures
RT Subterrene Penetrators
RT Tubes
RT Tunneling

TURBELLARIA [01]
DA December 1, 1974
BT1 Platyhelminths
BT2 Helminths
BT3 Parasites
NT1 Planaria

TURBIDITY [01]
DA December 1, 1974
RT Suspensions

TURBINE BLADES [01]
DA December 1, 1974
UF *Blades (Turbines)*
RT Compressor Blades
RT Turbines

Turbine Pumps
DA January 24, 1980
USE Pump Turbines

TURBINES [01]
DA December 1, 1974
BT1 Turbomachinery
BT2 Machinery
BT3 Equipment
NT1 Gas Turbines
NT2 Coal-Fired Gas Turbines
NT1 Hydraulic Turbines
NT2 Pump Turbines
NT1 Radial Inflow Turbines
NT1 Radial-Outflow Reaction Turbines
NT1 Rotary Separator Turbines
NT1 Steam Turbines
NT1 Velocity-Pumps Reaction Turbines
NT1 Wind Turbines
NT2 Diffuser Augmented Turbines
NT2 Horizontal Axis Turbines
NT2 Vertical Axis Turbines
NT3 Giromill Turbines
NT3 Tornado Turbines
NT2 Vortex Augmented Turbines
RT Helical Rotary Screw Expander
RT Hydroelectric Power Plants
RT KROV Machine
RT Turbine Blades
RT Turbochargers
RT Turbodrills
RT Working Fluids

TURBOCHARGERS
DA April 9, 1985
BT1 Superchargers
BT2 Compressors
BT1 Turbomachinery
BT2 Machinery
BT3 Equipment
RT Turbines

TURBODRILLS [01]
DA August 21, 1981
BT1 Rotary Drills
BT2 Drills
BT3 Drilling Equipment
BT4 Equipment
BT1 Turbomachinery
BT2 Machinery
BT3 Equipment
RT Drilling
RT Turbines

TURBOFAN ENGINES
DA May 23, 1984
BT1 Internal Combustion Engines
BT2 Heat Engines
BT3 Engines
BT1 Turbomachinery
BT2 Machinery
BT3 Equipment
RT Turbojet Engines

TURBOGENERATORS [01]
DA December 1, 1974
BT1 Electric Generators
BT1 Turbomachinery
BT2 Machinery
BT3 Equipment
RT Braun Standard Turbine Island
RT Hydraulic Turbines

TURBOJET ENGINES [01]
DA January 24, 1975
BT1 Internal Combustion Engines
BT2 Heat Engines
BT3 Engines
BT1 Turbomachinery
BT2 Machinery
BT3 Equipment
RT Turbofan Engines

TURBOMACHINERY
DA September 28, 1976
BT1 Machinery
BT2 Equipment
NT1 Turbines
NT2 Gas Turbines
NT3 Coal-Fired Gas Turbines
NT2 Hydraulic Turbines
NT3 Pump Turbines
NT2 Radial Inflow Turbines
NT2 Radial-Outflow Reaction Turbines
NT2 Rotary Separator Turbines
NT2 Steam Turbines
NT2 Velocity-Pumps Reaction Turbines
NT2 Wind Turbines
NT3 Diffuser Augmented Turbines
NT3 Horizontal Axis Turbines
NT3 Vertical Axis Turbines
NT4 Giromill Turbines
NT4 Tornado Turbines
NT3 Vortex Augmented Turbines
NT1 Turbochargers
NT1 Turbodrills
NT1 Turbofan Engines
NT1 Turbogenerators
NT1 Turbojet Engines
RT Compressors
RT Pumps

TURBOMOLECULAR PUMPS [01]
DA December 1, 1974
BT1 Vacuum Pumps
BT2 Laboratory Equipment
BT3 Equipment
BT2 Pumps
RT High Vacuum
RT Medium Vacuum
RT Ultrahigh Vacuum

TURBULENCE [01]
DA December 1, 1974
RT Attractors
RT Diffusion
RT Fluid Flow
RT Mixing
RT Stirring
RT Tornadoes
RT Turbulent Flow
RT Vortices
RT Wind

TURBULENT FLOW [01]
DA December 1, 1974
UF *Supercritical Flow*
BT1 Fluid Flow
RT Critical Flow
RT Laminar Flow
RT Reynolds Number
RT Richardson Number
RT Turbulence
RT Two-Phase Flow
RT Viscous Flow

TURBULENT HEATING [01]
DA December 1, 1974
BT1 Plasma Heating
BT2 Heating

TURKEY [01]
DA December 1, 1974
BT1 Asia
BT1 Developing Countries
BT1 Middle East
RT Black Sea
RT Kizildere Geothermal Field
RT Marmara Sea
RT OECD
RT Tigris River

TURKEY POINT-3 REACTOR [01]
(Turkey Point, Florida, USA)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

TURKEY POINT-4 REACTOR [01]
(Miami, Florida, USA)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

Turkish Reactor-1
DA December 1, 1974
USE TR-1 Reactor

Turkish Reactor-2
DA July 30, 1991
USE TR-2 Reactor

→**TURKMENISTAN [01]**
(Prior to April 1993, this was indexed by USSR.)
DA April 8, 1993
BT1 Asia

Turku Cyclotron
DA December 1, 1974
USE AABO Cyclotron

Turnips
DA December 1, 1974
USE Brassica

Turnover (Radionuclides)
DA December 1, 1974
USE Radionuclide Kinetics

TURPENTINE [01]
DA December 1, 1974
BT1 Organic Solvents
BT2 Solvents
BT1 Terpenes
BT2 Organic Compounds
RT Hydrocarbons

TURTLES [01]
DA December 1, 1974
BT1 Reptiles
BT2 Vertebrates
BT3 Animals

→**TUVALU [01]**
DA July 30, 1991
BT1 Micronesia
BT2 Islands
BT2 Oceania
RT Pacific Ocean

TVA
DA January 7, 1976
USE Tennessee Valley Authority

TVA-1 REACTOR [01]
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

TVA-2 REACTOR [01]
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

TVO-1 REACTOR [01]
(Prior to 1976, OLKILUOTO REACTOR was used.)
DA August 24, 1976
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

TVO-2 REACTOR [01]
DA August 24, 1976
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

TWINNING [01]
DA December 1, 1974
RT Crystal Structure
RT Microstructure
RT Slip

TWISTOR THEORY [01]
(Quantized points of space-time.)
DA August 19, 1975
UF *Penrose Twistor Theory*
RT Gravitation
RT Quantum Mechanics
RT Space-Time
DEF The points of space-time are composite objects which may have structure in terms of more fundamental entities, called the twistors. Rest mass should also be considered a derived property of matter. Thus the underlying objects (i.e. twistors) are closely related to massless particles.

TWMR REACTOR
DA January 22, 1975
UF *Tungsten Water Moderated Reactor*
BT1 Space Propulsion Reactors
BT2 Propulsion Reactors
BT3 Reactors
BT2 Space Power Reactors
BT3 Mobile Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors
BT1 Water Moderated Reactors
BT2 Reactors

TWO-BODY PROBLEM [01]
DA December 1, 1974
BT1 Many-Body Problem
RT Resonating-Group Method

TWO-COMPONENT NEUTRINO THEORY [01]
DA December 1, 1974
RT Beta Decay
RT Neutrinos
RT Spin

TWO-COMPONENT TORUS [01]
DA November 26, 1975
UF *TCT*
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

TWO-DIMENSIONAL CALCULATIONS [01]
DA December 1, 1974
UF *2-Dimensional Calculations*
UF *Calculations (2-Dimensional)*
RT Adjoint Difference Method
RT Ising Model
RT Many-Dimensional Calculations
RT Mathematics
RT Surfaces

TWO-DIMENSIONAL ELECTROPHORESIS [01]
DA May 6, 1987
BT1 Electrophoresis
RT Fractionation
RT Nucleic Acids
RT Oligonucleotides
RT Proteins

Two-Fireball Model
DA December 1, 1974
USE Fireball Model

Two-Fluid Theory
DA December 1, 1974
USE Landau Liquid Helium Theory

TWO-NUCLEON TRANSFER REACTIONS [01]
DA December 1, 1974
BT1 Multi-Nucleon Transfer Reactions
BT2 Transfer Reactions
BT3 Direct Reactions
BT4 Nuclear Reactions

TWO-PHASE FLOW [01]
DA December 1, 1974
BT1 Fluid Flow
RT Boiling
RT Gas Flow
RT Heat Transfer
RT Liquid Flow
RT Turbulent Flow

TWO-STREAM INSTABILITY [01]
DA December 1, 1974
BT1 Plasma Microinstabilities
BT2 Plasma Instability
BT3 Instability
RT Fluid Flow

TYBO EVENT
DA March 11, 1976
BT1 Bedrock Project
BT2 Nuclear Explosions
BT3 Explosions
BT2 Underground Explosions
BT3 Explosions

TYCO PROCESS
DA January 27, 1975
BT1 Desulfurization
BT2 Chemical Reactions
RT Waste Processing
DEF Process for removal of SO_2, NO, and NO_2 from flue gases.

TYPE-I SUPERCONDUCTORS [01]
DA December 1, 1974
BT1 Superconductors

TYPE-II SUPERCONDUCTORS [01]
DA December 1, 1974
UF *Type-III Superconductors*
BT1 Superconductors

Type-III Superconductors
DA December 1, 1974
USE Type-II Superconductors

TYPHOID [01]
DA December 1, 1974
BT1 Bacterial Diseases
BT2 Infectious Diseases
BT3 Diseases
RT Salmonella

TYPHUS [01]
DA December 1, 1974
BT1 Rickettsial Diseases
BT2 Infectious Diseases
BT3 Diseases
RT Rickettsiae

TYRAMINE [01]
DA December 1, 1974
BT1 Amines
BT2 Organic Compounds
BT1 Phenols
BT2 Aromatics
BT3 Organic Compounds
BT2 Hydroxy Compounds
BT3 Organic Compounds
BT1 Sympathomimetics
BT2 Autonomic Nervous System Agents
BT3 Drugs

TYRONE-1 REACTOR [01]
DA January 22, 1975
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

TYRONE-2 REACTOR [01]
DA January 22, 1975
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

TYROSINASE [01]
DA December 1, 1974
BT1 Hydroxylases
BT2 Oxidoreductases
BT3 Enzymes
BT4 Proteins
BT5 Organic Compounds

TYROSINE [01]
DA December 1, 1974
BT1 Amino Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT1 Hydroxy Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
RT Diiodotyrosine
RT Melanin
RT Methyl Tyrosine
RT Phenylalanine

TYUYAMUNITE [01]
DA December 1, 1974
BT1 Oxide Minerals
BT2 Minerals
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
RT Calcium Oxides
RT Uranium Oxides
RT Vanadium Oxides

TZ1 REACTOR [01]
DA July 18, 1985
UF *Tammuz-1 Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Experimental Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

TZ2 REACTOR [01]
DA July 18, 1985
UF *Tammuz-2 Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Experimental Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

TZM
DA December 20, 1978
USE Alloy-Mo99

U-1 GROUPS [01]
DA December 1, 1974
BT1 U Groups
BT2 Lie Groups
BT3 Symmetry Groups

U-2 GROUPS [01]
DA December 1, 1974
BT1 U Groups
BT2 Lie Groups
BT3 Symmetry Groups

U-3 GROUPS [01]
DA December 1, 1974
BT1 U Groups
BT2 Lie Groups
BT3 Symmetry Groups

U-4 GROUPS [01]
DA December 1, 1974
BT1 U Groups
BT2 Lie Groups
BT3 Symmetry Groups

U-5 GROUPS [01]
DA September 5, 1986
BT1 U Groups
BT2 Lie Groups
BT3 Symmetry Groups

U-6 GROUPS [01]
DA December 1, 1974
BT1 U Groups
BT2 Lie Groups
BT3 Symmetry Groups

U-12 GROUPS [01]
DA December 1, 1974
BT1 U Groups
BT2 Lie Groups
BT3 Symmetry Groups

U3O8
DA October 2, 1975
USE Uranium Oxides U3O8

U-2375 Resonances
(Prior to February 1988 this was a valid descriptor.)
DA December 1, 1974
USE F4-2300 Mesons

U CENTERS [01]
DA December 1, 1974
BT1 Color Centers
BT2 Vacancies
BT3 Point Defects
BT4 Crystal Defects
BT5 Crystal Structure

U CHANNEL [01]
DA December 1, 1974
RT Mandelstam Representation
RT Particle Interactions

RT S Channel
RT T Channel

U CODES [01]
DA December 1, 1974
BT1 Computer Codes

U-GAS PROCESS
DA January 27, 1975
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes
DEF Institute of Gas Technology process for producing low-Btu gas (140 Btu/SCF) by reacting crushed coal with air and steam in a single-stage fluidized-bed gasifier at 350 psi and 1900°F.

U GROUPS [01]
DA December 1, 1974
BT1 Lie Groups
BT2 Symmetry Groups
NT1 U-1 Groups
NT1 U-12 Groups
NT1 U-2 Groups
NT1 U-3 Groups
NT1 U-4 Groups
NT1 U-5 Groups
NT1 U-6 Groups
RT Unitary Symmetry

5U PELLETRON ACCELERATOR [01]
DA March 29, 1980
BT1 Pelletron Accelerators
BT2 Electrostatic Accelerators
BT3 Accelerators

U Processes
DA December 1, 1974
USE Umklapp Processes

U VALUES
DA April 6, 1978
RT Building Materials
RT Heat Transfer
RT R Factors
DEF Heat transfer through a material in Btu/hr per unit area as a function of the temperature gradient.

UAR
DA December 1, 1974
USE Egyptian Arab Republic

UBIQUINONE [01]
DA December 1, 1974
BT1 Benzoquinones
BT2 Quinones
BT3 Aromatics
BT4 Organic Compounds
BT3 Organic Oxygen Compounds
BT4 Organic Compounds
BT1 Coenzymes
RT Vitamin K

UCAP PROCESS
DA May 6, 1980
BT1 Desulfurization
BT2 Chemical Reactions
RT Claus Process

UCBRR REACTOR [01]
DA December 1, 1974
UF *Berkeley TRIGA Reactor*
UF *University of California Berkeley Reactor*
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Pulsed Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 TRIGA Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Hydride Moderated Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Solid Homogeneous Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

UCIRR Reactor
(Prior to July 1985, this was a valid descriptor and older material is so indexed.)
DA January 22, 1975
USE TRIGA-1-California Reactor

UCLA [01]
DA December 1, 1974
UF *University of California / Los Angeles*
RT California
RT US DOE

UCLBL
DA December 1, 1974
USE Lawrence Berkeley Laboratory

UCLLL
DA December 1, 1974
USE Lawrence Livermore Laboratory

UCLRL CYCLOTRONS [01]
DA December 1, 1974
BT1 Isochronous Cyclotrons
BT2 Cyclotrons
BT3 Cyclic Accelerators
BT4 Accelerators
NT1 LBL 88-Inch Cyclotron

UDIMET 500
DA September 6, 1979
BT1 Tungsten Alloys
BT2 Alloys
BT1 Udimet Alloys
BT2 Chromium Alloys
BT3 Alloys
BT2 Cobalt Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Molybdenum Alloys
BT3 Alloys
BT2 Nickel Base Alloys
BT3 Nickel Alloys
BT4 Alloys
BT2 Titanium Alloys
BT3 Alloys

UDIMET 700
DA December 1, 1974
BT1 Alloy-Ni53Co19Cr15Mo5Al4Ti3
BT2 Aluminium Alloys
BT3 Alloys
BT2 Boron Additions
BT3 Boron Alloys
BT4 Alloys
BT2 Chromium Alloys
BT3 Alloys
BT2 Cobalt Alloys
BT3 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Molybdenum Alloys
BT3 Alloys
BT2 Titanium Alloys
BT3 Alloys
BT1 Aluminium Alloys
BT2 Alloys
BT1 Udimet Alloys
BT2 Chromium Alloys
BT3 Alloys
BT2 Cobalt Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Molybdenum Alloys
BT3 Alloys
BT2 Nickel Base Alloys
BT3 Nickel Alloys
BT4 Alloys
BT2 Titanium Alloys
BT3 Alloys

UDIMET ALLOYS [01]
DA December 1, 1974
BT1 Chromium Alloys
BT2 Alloys
BT1 Cobalt Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Nickel Base Alloys
BT2 Nickel Alloys
BT3 Alloys
BT1 Titanium Alloys
BT2 Alloys
NT1 Udimet 500
NT1 Udimet 700

UDPG [01]
DA December 1, 1974
BT1 Glycosides
BT2 Carbohydrates
BT3 Organic Compounds
BT1 Nucleotides
BT2 Organic Compounds
BT1 Organic Phosphorus Compounds
BT2 Organic Compounds
RT Glucose
RT Uracils
RT Uridine

UFTR REACTOR [01]
DA December 1, 1974
UF *Florida University Reactor*
UF *University of Florida Reactor*
BT1 Argonaut Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors

UGANDA [01]
DA December 1, 1974
BT1 Africa
BT1 Developing Countries

Uhde-Pfirrmann Process
(Prior to July 1993, this was a valid descriptor.)
DA January 24, 1975
USE Coal Liquefaction
DEF A direct conversion of coal to synthetic crude oil by hydrogenation during and after solvent extraction.

Uhf (Lower Range)
DA December 1, 1974
USE GHz Range 01-100

Uhf (Upper Range)
DA December 1, 1974
USE GHz Range 100-1000

Uhf Radiation (01-100 Ghz)
DA December 1, 1974
USE GHz Range 01-100
AND Radiowave Radiation

Uhf Radiation (100-1000 Mhz)
DA December 1, 1974
USE MHz Range 100-1000
AND Radiowave Radiation

Uhf Radiation (Lower Range)
DA December 1, 1974
USE MHz Range 100-1000
AND Radiowave Radiation

Uhf Radiation (Upper Range)
DA December 1, 1974
USE GHz Range 01-100
AND Radiowave Radiation

UHTREX REACTOR [01]
DA December 1, 1974
UF *Ultrahigh Temperature Reactor Experiment*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Experimental Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Graphite Moderated Reactors
BT2 Reactors
BT1 Helium Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

UHV AC SYSTEMS
(Over 765 kV.)
DA May 17, 1976
UF *Ultrahigh Voltage Alternating Current Systems*
BT1 AC Systems
BT2 Power Systems
BT3 Energy Systems

UHV DC SYSTEMS [01]
(Over 765 kV.)
DA May 17, 1976
UF *Ultrahigh Voltage Direct Current Systems*
BT1 DC Systems
BT2 Power Systems
BT3 Energy Systems

UINTA BASIN
DA June 30, 1975
RT Colorado
RT Oil Shale Deposits
RT Uinta Formation
RT Utah

UINTA FORMATION [01]
DA December 16, 1975
BT1 Green River Formation
BT2 Geologic Formations
RT Colorado
RT Oil Shale Deposits
RT Oil Shales
RT Uinta Basin
RT Utah
DEF Strata of Eocene age and continental origin occurring typically in the Uinta Basin in Utah and Colorado.

UJM
DA November 2, 1976
USE Jet Model

UJV [01]
DA June 30, 1975
UF *Ustav Jadernych Vyzkumu*
BT1 Czechoslovak Organizations
BT2 National Organizations

UK Atomic Energy Agency
DA December 1, 1974
USE UKAEA

UK NATIONAL PHYSICAL LABORATORY [01]
DA March 7, 1983
BT1 United Kingdom Organizations
BT2 National Organizations

UK NII [01]
(HM Nuclear Installations Inspectorate.)
DA July 7, 1983
UF *UK Nuclear Installations Inspectorate*
BT1 United Kingdom Organizations
BT2 National Organizations

UK Nuclear Installations Inspectorate
DA July 7, 1983
USE UK NII

UK Royal Naval College-Jason Reactor
DA December 1, 1974
USE Jason Reactor

UKAEA [01]
DA December 1, 1974
UF *UK Atomic Energy Agency*
BT1 United Kingdom Organizations
BT2 National Organizations
NT1 AERE
NT1 Culham Laboratory
RT United Kingdom

UKAEA-Dido Reactor
DA December 1, 1974
USE Dido Reactor

UKAEA-Juno Reactor
DA December 1, 1974
USE Juno Reactor

UKAEA-Lido Reactor
DA December 1, 1974
USE Lido Reactor

UKAEA-Merlin Reactor
DA December 1, 1974
USE Merlin Reactor

UKAEA-Nestor Reactor
DA December 1, 1974
USE Nestor Reactor

UKNR REACTOR [01]
DA December 1, 1974
UF *University of Kansas Nuclear Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

→**UKRAINE [01]**
(Prior to February 1993, this was indexed by UKRAINIAN SSR.)
DA February 8, 1993
UF *Ukrainian SSR*
BT1 Eastern Europe
BT2 Europe
RT Dnieper River
RT Pripet River
RT USSR

Ukrainian SSR
(Prior to April 1993, this was a valid descriptor.)
DA December 1, 1974
USE Ukraine

ULCC
DA August 4, 1976
USE Tanker Ships

ULCERS [01]
DA December 1, 1974
BT1 Pathological Changes
RT Fistulae
RT Gangrene
RT Necrosis

→**ULCHIN-1 REACTOR [01]**
(Ulchin, Republic of Korea.)
DA July 30, 1991
UF *KNU-9 Reactor*
UF *Uljin-1 Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

→**ULCHIN-2 REACTOR [01]**
(Ulchin, Republic of Korea.)
DA July 30, 1991
UF *KNU-10 Reactor*
UF *Uljin-2 Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

Uljin-1 Reactor
DA July 30, 1991
USE Ulchin-1 Reactor

Uljin-2 Reactor
DA July 30, 1991
USE Ulchin-2 Reactor

ULTIMATE STRENGTH [01]
DA May 23, 1980
UF *Strength (Ultimate)*
BT1 Mechanical Properties
RT Tensile Properties

ULTRACENTRIFUGATION [01]
DA December 1, 1974
BT1 Centrifugation
BT2 Separation Processes
RT Cell Constituents
RT Gas Centrifugation
RT Subcellular Distribution

Ultracentrifuge Enrichment Plants
DA April 27, 1978
USE Centrifuge Enrichment Plants

ULTRACENTRIFUGES [01]
DA December 1, 1974
BT1 Centrifuges
BT2 Concentrators
RT Centrifugation
RT Gas Centrifuges
RT Isotope Separation

ULTRACOLD NEUTRONS [01]
DA December 1, 1974
BT1 Cold Neutrons
BT2 Neutrons
BT3 Nucleons
BT4 Baryons
BT5 Fermions
BT5 Hadrons
BT6 Elementary Particles
RT Neutron Converters
RT Neutron Guides

ULTRAFILTRATION [01]
DA December 1, 1974
BT1 Filtration
BT2 Separation Processes
RT Filters

RT Glomeruli
RT Sampling

Ultrahigh Frequency (Lower Range)
DA December 1, 1974
USE GHz Range 01-100

Ultrahigh Frequency (Upper Range)
DA December 1, 1974
USE GHz Range 100-1000

Ultrahigh Frequency Radiation (01-100 Ghz)
DA December 1, 1974
USE GHz Range 01-100
AND Radiowave Radiation

Ultrahigh Frequency Radiation (100-1000 Mhz)
DA December 1, 1974
USE MHz Range 100-1000
AND Radiowave Radiation

Ultrahigh Frequency Radiation (Lower Range)
DA December 1, 1974
USE MHz Range 100-1000
AND Radiowave Radiation

Ultrahigh Frequency Radiation (Upper Range)
DA December 1, 1974
USE GHz Range 01-100
AND Radiowave Radiation

ULTRAHIGH-SPEED PHOTOGRAPHY [01]
DA December 1, 1974
BT1 Photography

Ultrahigh Temperature
(Prior to February 1992, this was a valid descriptor.)
DA December 1, 1974
USE Temperature Range Over 4000 K

Ultrahigh Temperature Reactor Experiment
DA December 1, 1974
USE UHTREX Reactor

ULTRAHIGH VACUUM [01]
DA December 1, 1974
UF *Vacuum (0.12x10(-5) Pa and Below)*
UF *Vacuum (10(-8) Torr And Below)*
RT Cryopumps
RT Pressure Dependence
RT Sputter-Ion Pumps
RT Turbomolecular Pumps
RT Vacuum Pumps

Ultrahigh Voltage Alternating Current Systems
DA May 17, 1976
USE UHV AC Systems

Ultrahigh Voltage Direct Current Systems
DA May 17, 1976
USE UHV DC Systems

ULTRALOW FREQUENCY RADIATION [01]
DA December 1, 1974
BT1 Electromagnetic Radiation
BT2 Radiations

Ultralow Temperature
(Prior to February 1992, this was a valid descriptor.)
DA December 1, 1974
USE Temperature Range 0000-0013 K

ULTRAMARINE [01]
DA December 1, 1974
BT1 Pigments

ULTRASONIC BUBBLE CHAMBERS [01]
DA December 1, 1974
BT1 Bubble Chambers
BT2 Gas Track Detectors
BT3 Radiation Detectors
BT4 Measuring Instruments

ULTRASONIC MACHINING [01]
DA December 1, 1974
BT1 Machining

ULTRASONIC TESTING [01]
DA December 1, 1974
BT1 Acoustic Testing
BT2 Nondestructive Testing
BT3 Materials Testing
BT4 Testing
RT Acoustic Measurements
RT Ultrasonic Waves

ULTRASONIC WAVES [01]
DA December 1, 1974
UF *Ultrasonics*
BT1 Sound Waves
RT Ultrasonic Testing
RT Ultrasonography

ULTRASONIC WELDING [01]
DA December 1, 1974
BT1 Welding
BT2 Joining
BT3 Fabrication

Ultrasonics
DA December 1, 1974
USE Ultrasonic Waves

ULTRASONOGRAPHY [01]
DA September 11, 1978
UF *Echography*
RT Diagnostic Techniques
RT Ultrasonic Waves

ULTRASTRUCTURAL CHANGES [01]
DA December 1, 1974
BT1 Morphological Changes
RT Biological Repair
RT Cell Constituents
RT Cytology
RT Electron Microscopy
RT Photoreactivation

ULTRAVIOLET DIVERGENCES [01]
DA December 1, 1974
UF *Divergences (Ultraviolet)*
RT Quantum Electrodynamics

ULTRAVIOLET RADIATION [01]
DA December 1, 1974
BT1 Electromagnetic Radiation
BT2 Radiations
NT1 Extreme Ultraviolet Radiation
NT1 Far Ultraviolet Radiation
NT1 Near Ultraviolet Radiation
RT Photoreactivation
RT Raman Effect
RT Ultraviolet Spectra

ULTRAVIOLET SPECTRA [01]
DA December 1, 1974
BT1 Spectra
NT1 Extreme Ultraviolet Spectra
RT Absorption Spectroscopy
RT Electronic Structure
RT Structural Chemical Analysis
RT Ultraviolet Radiation

ULTRAVIOLET SPECTROMETERS [01]
DA October 19, 1978
BT1 Spectrometers
BT2 Measuring Instruments

ULVA [01]
DA December 1, 1974
BT1 Algae
BT2 Plants

Ulyanovsk Reactor VK-50
DA December 1, 1974
USE VK-50 Reactor

ULYSSE REACTOR [01]
DA December 1, 1974
BT1 Argonaut Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors

UMKLAPP PROCESSES [01]
DA December 1, 1974
UF *U Processes*
BT1 Electromagnetic Interactions
BT2 Basic Interactions
BT3 Interactions
RT Crystals
RT Electric Conductivity
RT Electrons
RT Phonons
RT Thermal Conductivity

Umm al Qaiwan
DA August 5, 1976
USE United Arab Emirates

UMNE-1 REACTOR [01]
DA December 1, 1974
UF *UMR Reactor*
UF *University of Maryland Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors

UMOHOITE [01]
DA December 1, 1974
BT1 Oxide Minerals
BT2 Minerals
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
RT Molybdenum Oxides
RT Uranium Oxides

UMP [01]
DA February 23, 1982
UF *Uridine Monophosphate*
BT1 Nucleotides
BT2 Organic Compounds
RT Uridine

UMR Reactor
DA December 1, 1974
USE UMNE-1 Reactor

UMRR REACTOR [01]
DA December 1, 1974
UF *Missouri University/Rolla Research Reactor*
UF *MSMR Reactor*
UF *University of Missouri/Rolla Research Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors

BT1 Thermal Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors

Uncertainty
DA August 21, 1981
USE Data Covariances

UNCERTAINTY PRINCIPLE [01]
DA December 1, 1974
UF *Heisenberg Principle*
RT Quantum Mechanics

Uncorrelated-Jet Model
DA November 2, 1976
USE Jet Model

UNCORRELATED-PARTICLE MODEL [01]
DA December 1, 1974
BT1 Particle Models
BT2 Mathematical Models

UNDERGROUND [01]
DA December 1, 1974
SF *Subsurface Environments*
BT1 Levels
RT Aquifers
RT Ground Water
RT Soils
RT Underground Space

Underground Buildings
DA September 19, 1977
USE Earth-Covered Buildings

UNDERGROUND DISPOSAL [01]
DA December 1, 1974
UF *Waste Burial*
BT1 Waste Disposal
BT2 Waste Management
BT3 Management
RT Asse Salt Mine
RT Backfilling
RT Disposal Wells
RT Gases
RT Gorleben Salt Dome
RT Ground Cover
RT Konrad Ore Mine
RT Morsleben Salt Mine
RT Radioactive Waste Disposal
RT Reinjection
RT Salt Deposits

UNDERGROUND EXPLOSIONS [01]
DA December 1, 1974
BT1 Explosions
NT1 Agrini Event
NT1 Arbor Project
NT2 Husky Ace Event
NT2 Latir Event
NT1 Bedrock Project
NT2 Dining Car Event
NT2 Portmanteau Event
NT2 Tybo Event
NT1 Bowline Operation
NT2 Benham Event
NT2 Schooner Event
NT1 Crosstie Operation
NT2 Boxcar Event
NT2 Cabriolet Event
NT2 Faultless Event
NT2 Gasbuggy Event
NT1 Emery Operation
NT2 Baneberry Event
NT2 Carpetbag Event
NT1 Essex I Project
NT1 Flintlock Operation
NT2 Halfbeak Event
NT2 Pin Stripe Event
NT1 Fulcrum Operation
NT2 Redmud Event
NT1 Fusileer Operation
NT1 Grommet Operation
NT2 Cannikin Event
NT2 Miniata Event
NT1 Latchkey Operation
NT2 Greeley Event
NT2 Scotch Event
NT1 Mandrel Operation
NT2 Calabash Event
NT2 Handley Event
NT2 Hutch Event
NT2 Jorum Event
NT2 Milrow Event
NT2 Rulison Event
NT1 Mighty Epic Event
NT1 Nougat Operation
NT2 Danny Boy Event
NT1 Palanquin Event
NT1 Pre-Gondola I Event
NT1 Pre-Gondola II Event
NT1 Sun Beam Operation
NT1 Toggle Operation
NT2 Almendro Event
NT2 Rio Blanco Event
NT1 Whetstone Operation
NT2 Handcar Event
RT Anvil Project
RT Cavities
RT Chemical Explosions
RT Contained Explosions
RT Cratering Explosions
RT Craters
RT Explosive Fracturing
RT Explosive Stimulation
RT Ground Motion
RT In-Country Detection
RT Jangle Project
RT Landslides
RT Mining
RT Nuclear Excavation
RT Nuclear Explosion Detection
RT Nuclear Explosions
RT Plowshare Project
RT Praetorian Project
RT Rayleigh Waves
RT Seismic Detection
RT Seismic Effects
RT Seismic P Waves
RT Seismic S Waves
RT Seismic Waves
RT Seismographs
RT Seismology
RT Underground Mining
RT Underwater Explosions
RT Upshot Project
RT Vela Project

UNDERGROUND FACILITIES [01]
DA May 12, 1982
NT1 Mines
NT2 Asse Salt Mine
NT2 Coal Mines
NT2 Konrad Ore Mine
NT2 Rum Jungle Project
NT2 Uranium Mines
NT3 Beaverlodge Mine
NT3 Cluff Lake Mine
NT3 Key Lake Mine
NT3 Mary Kathleen Mines
NT3 Mi Vida Mine
NT3 Olympic Dam Mine
NT3 Osamu Utsumi Mine
NT3 Stanleigh Mine
NT1 Tunnels
NT2 Mine Roadways
NT2 Wind Tunnels
NT1 Underground Nuclear Stations
NT1 WIPP
RT Energy Facilities
RT Fallout Shelters
RT Nuclear Facilities
RT Subsurface Structures
RT Sudbury Neutrino Observatory

Underground Gasification
DA May 3, 1978
USE In-Situ Gasification

Underground Heat Distribution Systems
DA May 17, 1976
USE Heat Distribution Systems

UNDERGROUND MINING [01]
DA January 27, 1975
BT1 Mining
NT1 Advance Mining
NT1 Caving Mining
NT1 Longwall Mining
NT1 Retreat Mining
NT1 Room and Pillar Mining
NT1 Shortwall Mining
NT1 Slice Mining
RT Caving
RT Coal Mining
RT Contained Explosions
RT Cratering Explosions
RT Excavation
RT Fracturing
RT Mine Draining
RT Mine Drivage
RT Mine Roadways
RT Mine Shafts
RT Mines
RT Mining Engineering
RT Modified In-Situ Processes
RT Oil Shale Mining
RT Panels
RT Stowing
RT Strata Movement
RT Surface Mining
RT Tunneling
RT Underground Explosions

Underground Nuclear Power Plants
DA December 1, 1974
USE Underground Nuclear Stations

UNDERGROUND NUCLEAR STATIONS [01]
DA December 1, 1974
UF *Underground Nuclear Power Plants*
BT1 Nuclear Power Plants
BT2 Nuclear Facilities
BT2 Thermal Power Plants
BT3 Power Plants
BT1 Underground Facilities
RT Power Reactors

UNDERGROUND POWER TRANSMISSION [01]
DA January 24, 1975
BT1 Power Transmission
RT Power Systems

UNDERGROUND SPACE
DA November 17, 1976
BT1 Space
RT Cavities
RT Earth-Covered Buildings
RT Fallout Shelters
RT Mines
RT Subsurface Structures
RT Underground
RT Underground Storage

UNDERGROUND STORAGE [01]
DA November 17, 1976
BT1 Storage
RT Cavities
RT Energy Storage
RT Geologic Deposits
RT Strategic Petroleum Reserve
RT Subsurface Structures
RT Underground Space
RT US Naval Petroleum Reserves

UNDERWATER [01]
DA December 1, 1974
BT1 Levels

UNDERWATER EXPLOSIONS [01]
DA December 1, 1974
BT1 Explosions
NT1 Swordfish Event
RT Crossroads Project
RT Dominic Project
RT Nuclear Excavation
RT Nuclear Explosions
RT Underground Explosions

UNDERWATER FACILITIES
DA March 8, 1977
UF *Facilities (Underwater)*
RT Diving Operations
RT DUMAND Project
RT Manipulators
RT Offshore Operations
RT Underwater Operations

UNDERWATER OPERATIONS [01]
DA March 8, 1977
NT1 Diving Operations

RT Manipulators
RT Offshore Operations
RT Underwater Facilities

Underwater Vehicles
DA January 28, 1977
USE Submarines

Undulators
DA October 2, 1987
USE Wiggler Magnets

Unemployment
DA August 9, 1977
USE Employment

UNESCO [01]
(United Nations Educational, Scientific and Cultural Organization)
DA December 16, 1975
BT1 International Organizations
RT United Nations

UNFINISHED OILS
DA December 10, 1979
BT1 Petroleum Products
RT Finished Oils
DEF All petroleum requiring further refinery processing.

UNGLAZED SOLAR COLLECTORS
DA February 27, 1979
BT1 Solar Collectors
BT2 Solar Equipment
BT3 Equipment

UNH [01]
DA March 8, 1978
UF *Uranyl Nitrate Hexahydrate*
BT1 Hydrates
BT1 Uranyl Nitrates
BT2 Nitrates
BT3 Nitrogen Compounds
BT3 Oxygen Compounds
BT2 Uranyl Compounds
BT3 Uranium Compounds
BT4 Actinide Compounds

UNICELLULAR ALGAE [01]
DA December 1, 1974
BT1 Algae
BT2 Plants
BT1 Microorganisms
NT1 Chlamydomonas
NT1 Chlorella
NT1 Euglena
NT1 Scenedesmus
RT Plankton

Unicracking/HDS Process
DA May 12, 1982
USE Desulfurization
DEF Fixed-bed catalytic process for desulfurization of crudes and resids in the presence of hydrogen.

UNIDO [01]
(United Nations Industrial Development Organization.)
DA July 15, 1988
BT1 International Organizations
RT Austria
RT United Nations

UNIFIED-FIELD THEORIES [01]
(Prior to April 1983, this concept was indexed by Einstein-Schroedinger Theory or Unified Gauge Models. For quantum field theory involving electromagnetic, weak and strong interactions see Grand Unified Theory.)
DA March 24, 1983
BT1 Field Theories
NT1 Einstein-Schroedinger Theory
NT1 Grand Unified Theory
NT1 Kaluza-Klein Theory
NT1 Kobayashi-Maskawa Matrix
NT1 Supergravity
NT1 Weinberg-Salam Gauge Model
NT1 Weyl Unified Theory
RT Basic Interactions
RT Quantum Gravity
RT Supersymmetry
RT Unified Gauge Models

UNIFIED GAUGE MODELS [01]
DA January 22, 1975
BT1 Particle Models
BT2 Mathematical Models
NT1 Grand Unified Theory
NT1 Standard Model
NT1 Weinberg Lepton Model
NT1 Weinberg-Salam Gauge Model
RT Gauge Invariance
RT Inflationary Universe
RT Kaluza-Klein Theory
RT Unified-Field Theories

UNIFIED MODEL [01]
DA December 1, 1974
BT1 Nuclear Models
BT2 Mathematical Models

UNILAC [01]
DA January 28, 1975
BT1 Heavy Ion Accelerators
BT2 Accelerators
BT1 Linear Accelerators
BT2 Accelerators

Union Carbide Waste Processing System
DA November 26, 1975
USE Purox Pyrolysis Process

Union of Soviet Socialist Republics
DA December 1, 1974
USE USSR

UNION OIL PROCESS
DA April 8, 1975
RT Oil Shales
DEF A shale retorting process of the direct-heated type, using air injected into a moving bed of coarsely crushed shale to support combustion to supply process heat. The retort features a rock pump shale feeding device that pushes oil shale upward into an inverted-cone-shaped vessel that is open to the atmosphere at the top. Spent shale overflows at the top, where air enters the bed of shale and supports combustion. The flow of air, combustion product gases and pyrolysis product vapors is downward, countercurrent to the upward flow of shale solids.

Unipolar Transistors
DA December 1, 1974
USE Field Effect Transistors

UNISIST [01]
DA June 16, 1975
RT Information Retrieval
RT Information Systems

UNISULF PROCESS
DA March 23, 1983
BT1 Desulfurization
BT2 Chemical Reactions
BT1 Waste Processing
BT2 Processing
BT2 Waste Management
BT3 Management
DEF Union Oil Proprietary solvent used in their Stretford units.

Unit Tenaga Nuklear (Malaysia)
DA November 13, 1985
USE PUSPATI

UNITARITY [01]
DA December 1, 1974
RT Nonunitary Representations
RT S Matrix

UNITARY POLE APPROXIMATION [01]
DA December 1, 1974
RT K Matrix
RT Many-Body Problem
RT S Matrix

UNITARY SYMMETRY [01]
DA December 1, 1974
BT1 Symmetry
RT SU Groups
RT U Groups

UNITED ARAB EMIRATES [01]
DA August 4, 1976
UF *Abu Dhabi*
UF *Ajman*
UF *Dubai*
UF *Fujaira*
UF *Ras al Khaima*
UF *Sharja*
UF *Umm al Qaiwan*
BT1 Arab Countries
BT1 Asia
RT OAPEC
RT OPEC

United Arab Republic
DA December 1, 1974
USE Egyptian Arab Republic

United Arab Republic WWR-C Reactor
DA December 1, 1974
USE WWR-S-Cairo Reactor

UNITED KINGDOM [01]
DA December 1, 1974
UF *England*
UF *Great Britain*
UF *Northern Ireland*
UF *Scotland*
BT1 Developed Countries
BT1 Western Europe
BT2 Europe
NT1 Bermuda
NT1 Gibraltar
RT HBTX Devices
RT Irish Sea
RT OECD
RT Severn River
RT UKAEA

UNITED KINGDOM ORGANIZATIONS [01]
DA December 1, 1974
BT1 National Organizations
NT1 BNFL
NT1 British Coal
NT1 NCSR
NT1 NRPB
NT1 UK National Physical Laboratory
NT1 UK NII
NT1 UKAEA
NT2 AERE
NT2 Culham Laboratory

UNITED NATIONS [01]
DA December 1, 1974
BT1 International Organizations
NT1 UNSCEAR
RT FAO
RT IAEA
RT ILO
RT UNESCO
RT UNIDO
RT WHO

United Nuclear Corporation Proof Test Reactor
DA December 1, 1974
USE PTF-UNC Reactor

United States of America
DA December 1, 1974
USE USA

United States Uranium Registry
DA July 6, 1981
USE USUR

UNITHIOL [01]
DA December 1, 1974

BT1 Dithiols
BT2 Reagents
BT2 Thiols
BT3 Organic Sulfur Compounds
BT4 Organic Compounds
BT1 Sulfonic Acids
BT2 Organic Acids
BT3 Organic Compounds
BT2 Organic Sulfur Compounds
BT3 Organic Compounds
RT BAL

UNITON [01]
DA December 1, 1974
BT1 Natural Units
BT2 Units
RT Gravitational Fields
RT Gravitons

UNITS [01]
DA December 1, 1974
NT1 Degree Days
NT1 Natural Units
NT2 Uniton
NT1 Radiation Dose Units
NT2 Sievert Unit
NT1 Reactivity Units
NT2 Dollars
NT2 Inhours
NT1 SI Units

UNIVAC COMPUTERS [01]
DA December 1, 1974
BT1 Computers

Universal Blackbody Radiation
DA December 1, 1974
USE Blackbody Radiation

UNIVERSE [01]
DA December 1, 1974
UF *Cosmos*
UF *Metagalaxy*
RT Cosmological Models
RT Cosmology
RT Galactic Evolution
RT Hubble Effect
RT Intergalactic Space
RT Relict Radiation

Universities
DA July 20, 1983
USE Educational Facilities

University Minas Gerais TRIGA Reactor
DA December 1, 1974
USE TRIGA-Brazil Reactor

University of Alberta Slowpoke Reactor
DA January 24, 1980
USE Slowpoke-Alberta Reactor

University of California / Los Angeles
DA December 1, 1974
USE UCLA

University of California Berkeley Reactor
DA December 1, 1974
USE UCBRR Reactor

University of California Irvine Reactor
DA January 28, 1975
USE TRIGA 1-California Reactor

University of California Lawrence Radiation Laboratory
DA December 1, 1974
USE Lawrence Berkeley Laboratory

University of Florida Reactor
DA December 1, 1974
USE UFTR Reactor

University of Illinois LOPRA Reactor
DA January 30, 1975
USE LOPRA Reactor

University of Illinois TRIGA-Mk-II Reactor
DA December 1, 1974
USE TRIGA-2-Illinois Reactor

University of Kansas Nuclear Reactor
DA December 1, 1974
USE UKNR Reactor

University of Maryland Reactor
DA December 1, 1974
USE UMNE-1 Reactor

University of Missouri/Columbia Research Reactor
DA December 1, 1974
USE MURR Reactor

University of Missouri/Rolla Research Reactor
DA December 1, 1974
USE UMRR Reactor

University of Montreal Slowpoke Reactor
DA January 24, 1980
USE Slowpoke-Montreal Reactor

University of Nevada L-77 Reactor
DA December 1, 1974
USE Nevada University Reactor

University of Teheran Research Reactor
DA December 1, 1974
USE UTRR Reactor

University of Texas TRIGA Reactor
DA December 1, 1974
USE TRIGA-Texas Reactor

University of Toronto Slowpoke Reactor
DA January 24, 1980
USE Slowpoke-Toronto Reactor

University of Virginia Reactor
DA December 1, 1974
USE UVAR Reactor

University of Washington Reactor
DA December 1, 1974
USE UWTR Reactor

University of Wisconsin Nuclear Reactor
DA December 1, 1974
USE UWNR Reactor

University of Wisconsin Tokamak
DA January 28, 1975
USE UWMAK Devices

University Training Reactor Queen Mary
DA December 1, 1974
USE Queen Mary College UTR-B Reactor

UNLEADED GASOLINE [01]
DA November 1, 1976
UF *Lead-Free Gasoline*
BT1 Gasoline
BT2 Liquid Fuels
BT3 Fuels
BT2 Petroleum Products
RT Gasoline Service Stations

UNLOADING
DA June 14, 1978
RT Loading
RT Materials Handling

Unloading (Reactor)
DA December 1, 1974
USE Reactor Fueling

Unpinch Devices
DA December 1, 1974
USE Linear Hard Core Pinch Devices

UNSCEAR [01]
(United Nations Scientific Committee on Effects of Atomic Radiation.)
DA December 16, 1975
BT1 United Nations
BT2 International Organizations
RT Dose Limits
RT Radiation Hazards

UNSEALED SOURCES [01]
DA December 1, 1974
BT1 Radiation Sources
RT Internal Irradiation
RT Radionuclide Kinetics

Unsolicited Proposals
DA May 21, 1983
USE Proposals

UNSTEADY FLOW [01]
DA December 1, 1974
BT1 Fluid Flow

UNTERWESER REACTOR [01]
DA December 1, 1974
UF *KKU Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

UPPER VOLTA [01]
DA December 1, 1974
BT1 Africa
BT1 Developing Countries

UPPSALA SYNCHROCYCLOTRON [01]
DA December 1, 1974
BT1 Synchrocyclotrons
BT2 Cyclic Accelerators
BT3 Accelerators
RT Celsius Storage Ring

UPSHOT PROJECT [01]
DA December 1, 1974
UF *Project (Upshot)*
BT1 Nuclear Explosions
BT2 Explosions
NT1 Annie Event
NT1 Harry Event
RT Underground Explosions

UPSILON-9460 MESONS [01]
(Prior to February 1988 this concept was indexed by UPSILON-9500 RESONANCES.)
DA February 1, 1988
UF *Upsilon-9500 Resonances*
BT1 Bottomonium
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles
BT2 Quarkonium
BT1 Vector Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

Upsilon-9500 Resonances
(Prior to February 1988 this was a valid descriptor.)
DA July 5, 1978
USE Upsilon-9460 Mesons

Upsilon-10000 Resonances
(Prior to February 1988 this was a valid descriptor.)
DA September 6, 1979
USE Upsilon-10023 Mesons

UPSILON-10023 MESONS [01]
(Prior to February 1988 this concept was indexed by UPSILON-10000 RESONANCES.)
DA February 2, 1988
UF *Upsilon-10000 Resonances*
BT1 Bottomonium
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

BT2 Quarkonium
BT1 Vector Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

Upsilon-10350 Resonances
(Prior to February 1988 this was a valid descriptor.)
DA April 28, 1983
USE Upsilon-10355 Mesons

UPSILON-10355 MESONS [01]
(Prior to February 1988 this concept was indexed by UPSILON-10350 RESONANCES.)
DA February 2, 1988
UF *Upsilon-10350 Resonances*
BT1 Bottomonium
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles
BT2 Quarkonium
BT1 Vector Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

Upsilon-10500 Resonances
(Prior to February 1988 this was a valid descriptor.)
DA December 20, 1978
USE Upsilon-10575 Mesons

UPSILON-10575 MESONS [01]
(Prior to February 1988 this concept was indexed by UPSILON-10500 RESONANCES.)
DA February 2, 1988
UF *Upsilon-10500 Resonances*
BT1 Bottomonium
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles
BT2 Quarkonium
BT1 Vector Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

UPSILON-10860 MESONS [01]
DA February 2, 1988
BT1 Bottomonium
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles
BT2 Quarkonium
BT1 Vector Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

UPSILON-11020 MESONS [01]
DA February 2, 1988
BT1 Bottomonium
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles
BT2 Quarkonium
BT1 Vector Mesons
BT2 Mesons
BT3 Bosons
BT3 Hadrons
BT4 Elementary Particles

Upsilon Resonances
(Prior to March 1988 this was a valid descriptor.)
DA February 14, 1978
SEE Bottomonium
OR Vector Mesons
DEF Possible family resonances at 9.4, 10.0, and 10.4 GeV thought to consist of a fifth quark and its antiquark.

UPTAKE [01]
DA December 1, 1974
UF *Incorporation (Biological)*
NT1 Foliar Uptake
NT1 Intestinal Absorption
NT1 Root Absorption
NT1 Skin Absorption
RT Biological Availability
RT Intake
RT Phosphoenolpyruvate
RT Radionuclide Kinetics
RT Rectal Administration
RT Retention

UPWELLING [01]
DA November 9, 1977
RT Downwelling
RT Oceanic Circulation
RT Water Currents
DEF The process by which water rises from a deeper to a shallower depth.

URACH GEOTHERMAL FIELD [01]
DA September 5, 1984
BT1 Geothermal Fields
RT Federal Republic of Germany
DEF Located in the Schwabian Alb (Federal Republic of Germany).

Uracil-6-Carboxylic Acid
DA December 1, 1974
USE Orotic Acid

URACILS [01]
DA December 1, 1974
BT1 Hydroxy Compounds
BT2 Organic Compounds
BT1 Pyrimidines
BT2 Azines
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
NT1 Bromouracils
NT2 BUDR
NT1 Chlorouracils
NT1 Deoxyuridine
NT1 Fluorouracils
NT2 FUDR
NT1 Iodouracils
NT2 Iododeoxyuridine
NT1 Orotic Acid
NT1 Thiouracil
NT1 Thymine
NT1 Uridine
RT UDPG
RT Uridylic Acid

URAGAN STELLARATOR [01]
DA December 1, 1974
BT1 Stellarators
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

URAL COMPUTERS [01]
DA December 1, 1974
BT1 Computers

Ural Mountains
DA May 17, 1976
USE Urals

URALS [01]
DA December 1, 1974
UF *Ural Mountains*
BT1 Mountains
RT USSR

Urals Atomic Power Station
DA December 1, 1974
SEE Beloyarsk-1 Reactor
OR Beloyarsk-2 Reactor
OR Beloyarsk-3 Reactor

URANATES [01]
DA December 1, 1974
UF+ *Bismuth Uranates*
BT1 Uranium Compounds
BT2 Actinide Compounds
NT1 Ammonium Uranates
NT2 ADU
NT1 Cesium Uranates
NT1 Lithium Uranates
NT1 Potassium Uranates
NT1 Rubidium Uranates
NT1 Sodium Uranates
NT1 Strontium Uranates
NT1 Thallium Uranates

URANINITES [01]
DA December 1, 1974
BT1 Oxide Minerals
BT2 Minerals
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
NT1 Broeggerite
NT1 Pitchblende
RT Black Sands
RT Thucholite

URANIUM [01]
DA December 1, 1974
BT1 Actinides
BT2 Metals
BT3 Elements
NT1 Depleted Uranium
NT1 Enriched Uranium
NT2 Highly Enriched Uranium
NT2 Moderately Enriched Uranium
NT2 Slightly Enriched Uranium
NT1 Natural Uranium
NT1 Uranium-Alpha
NT1 Uranium-Beta
NT1 Uranium-Gamma
RT Feed Materials Plants
RT Natural Radioactivity
RT Nuclear Fuels
RT Uranium Ores
RT Uranium Recycle

→**URANIUM 218 [01]**
DA July 10, 1992
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Uranium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

→**URANIUM 219 [01]**
DA June 29, 1993
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Microsec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Uranium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

URANIUM 222 [01]
DA December 5, 1988
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Microsec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Uranium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

→**URANIUM 223 [01]**
DA July 30, 1991
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Microsec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Uranium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

→**URANIUM 224 [01]**
DA July 30, 1991
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Microsec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Uranium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

URANIUM 225 [01]
DA September 19, 1977
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Uranium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

URANIUM 226 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Uranium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

URANIUM 227 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Uranium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

URANIUM 228 [01]
DA December 1, 1974
UF *Uranium I*
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Uranium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

URANIUM 229 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Uranium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

URANIUM 230 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Uranium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

URANIUM 231 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Uranium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

URANIUM 232 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Neon 24 Decay Radioisotopes
BT2 Heavy Ion Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Uranium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

URANIUM 232 TARGET [01]
DA July 9, 1976
BT1 Targets

URANIUM 233 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Neon 24 Decay Radioisotopes
BT2 Heavy Ion Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Uranium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

URANIUM 233 TARGET [01]
DA July 9, 1976
BT1 Targets

URANIUM 234 [01]
DA December 1, 1974
UF *Uranium II*
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Magnesium 28 Decay Radioisotopes
BT2 Heavy Ion Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Neon 24 Decay Radioisotopes
BT2 Heavy Ion Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Uranium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

URANIUM 234 TARGET [01]
DA July 12, 1976
BT1 Targets

URANIUM 235 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes

BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Uranium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

URANIUM 235 REACTIONS [01]
DA October 20, 1977
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

URANIUM 235 TARGET [01]
DA July 9, 1976
BT1 Targets

URANIUM 236 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Uranium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

URANIUM 236 TARGET [01]
DA July 9, 1976
BT1 Targets

URANIUM 237 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Uranium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

URANIUM 237 TARGET [01]
DA July 9, 1976
BT1 Targets

URANIUM 238 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Spontaneous Fission Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Uranium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

URANIUM 238 BEAMS [01]
DA November 10, 1977
BT1 Radioactive Ion Beams
BT2 Ion Beams
BT3 Beams

URANIUM 238 REACTIONS [01]
DA October 20, 1977
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

URANIUM 238 TARGET [01]
DA July 9, 1976
BT1 Targets

URANIUM 239 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Uranium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

URANIUM 239 TARGET [01]
DA July 9, 1976
BT1 Targets

URANIUM 240 [01]
DA December 1, 1974
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Uranium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

URANIUM 240 TARGET [01]
DA March 8, 1978
BT1 Targets

URANIUM 242 [01]
DA July 24, 1979
BT1 Actinide Nuclei
BT2 Heavy Nuclei
BT3 Nuclei
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Uranium Isotopes
BT2 Actinide Isotopes
BT3 Isotopes

URANIUM 243 TARGET [01]
DA August 21, 1981
BT1 Targets

URANIUM ADDITIONS [01]
DA December 1, 1974
BT1 Uranium Alloys
BT2 Actinide Alloys
BT3 Alloys

URANIUM ALLOYS [01]
DA December 1, 1974
BT1 Actinide Alloys
BT2 Alloys
NT1 Uranium Additions
NT1 Uranium Base Alloys
NT2 Alloy-U90Nb7Zr3
NT3 Mulberry Alloy
NT2 Mulberry Alloy

URANIUM-ALPHA [01]
DA December 1, 1974
BT1 Uranium
BT2 Actinides
BT3 Metals
BT4 Elements

URANIUM ARSENIDES [01]
DA January 22, 1975
BT1 Arsenides
BT2 Arsenic Compounds
BT2 Pnictides
BT1 Uranium Compounds
BT2 Actinide Compounds

URANIUM BASE ALLOYS [01]
DA December 1, 1974
BT1 Uranium Alloys
BT2 Actinide Alloys
BT3 Alloys
NT1 Alloy-U90Nb7Zr3
NT2 Mulberry Alloy
NT1 Mulberry Alloy

URANIUM-BETA [01]
DA December 1, 1974
BT1 Uranium
BT2 Actinides
BT3 Metals
BT4 Elements

URANIUM BLACK [01]
DA December 1, 1974
BT1 Oxide Minerals
BT2 Minerals
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
RT Uranium Oxides

URANIUM BORIDES [01]
DA December 1, 1974
BT1 Borides
BT2 Boron Compounds
BT1 Uranium Compounds
BT2 Actinide Compounds

URANIUM BOROHYDRIDES
DA May 15, 1975
BT1 Borohydrides
BT2 Boron Compounds
BT2 Hydrogen Compounds
BT1 Uranium Compounds
BT2 Actinide Compounds

URANIUM BROMIDES [01]
DA December 1, 1974
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Uranium Compounds
BT2 Actinide Compounds

URANIUM CARBIDES [01]
DA December 1, 1974
BT1 Carbides
BT2 Carbon Compounds
BT1 Uranium Compounds
BT2 Actinide Compounds
RT Mixed Carbide Fuels

URANIUM CARBONATES [01]
DA December 1, 1974
BT1 Carbonates
BT2 Carbon Compounds
BT2 Oxygen Compounds
BT1 Uranium Compounds
BT2 Actinide Compounds
NT1 Diderichite
NT1 Sharpite
RT Bayleyite
RT Carbonate Minerals
RT Liebigite
RT Rutherfordite
RT Schroeckingerite
RT Uranium Minerals

URANIUM CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Uranium Compounds
BT2 Actinide Compounds

URANIUM COMPLEXES [01]
DA December 1, 1974
BT1 Actinide Complexes
BT2 Complexes
NT1 Uranyl Complexes

URANIUM COMPOUNDS [01]
DA December 1, 1974
BT1 Actinide Compounds
NT1 Thucholite
NT1 Uranates
NT2 Ammonium Uranates
NT3 ADU
NT2 Cesium Uranates
NT2 Lithium Uranates
NT2 Potassium Uranates
NT2 Rubidium Uranates
NT2 Sodium Uranates
NT2 Strontium Uranates
NT2 Thallium Uranates
NT1 Uranium Arsenides
NT1 Uranium Borides
NT1 Uranium Borohydrides
NT1 Uranium Bromides
NT1 Uranium Carbides
NT1 Uranium Carbonates
NT2 Diderichite
NT2 Sharpite
NT1 Uranium Chlorides
NT1 Uranium Fluorides
NT2 Uranium Hexafluoride
NT2 Uranium Pentafluoride
NT2 Uranium Tetrafluoride
NT1 Uranium Hydrides
NT1 Uranium Hydroxides
NT1 Uranium Iodides
NT1 Uranium Nitrates
NT1 Uranium Nitrides
* **NT1** Uranium Oxides
NT1 Uranium Perchlorates
NT1 Uranium Peroxide
NT1 Uranium Phosphates
NT2 Dewindtite
NT2 Natroautunite
NT2 Sabugalite
NT1 Uranium Phosphides
NT1 Uranium Selenides
* **NT1** Uranium Silicates
NT1 Uranium Silicides
NT1 Uranium Sulfates
NT1 Uranium Sulfides
NT1 Uranium Tellurides
NT1 Uranium Tungstates
NT1 Uranium Vanadates
NT2 Carnotite
NT2 Strelkinite
* **NT1** Uranyl Compounds

URANIUM CONCENTRATES [01]
DA December 1, 1974
BT1 Ore Concentrates
BT1 Uranium Ores
BT2 Ores
RT Feed Materials Plants
RT Ore Processing
RT Slurex Process

URANIUM DEPOSITS [01]
DA January 22, 1975
BT1 Geologic Deposits
BT1 Mineral Resources
BT2 Resources
NT1 Blizzard Deposit
NT1 Erzgebirge Deposit
NT1 Jabiluka Deposit
NT1 Koongarra Deposit
NT1 Nabarlek Deposit
NT1 Ranger Deposit
NT1 Ranstad Deposit
NT1 Roxby Downs Deposit
NT1 South Alligator Deposit
NT1 Yeelirrie Deposit
RT Chattanooga Formation
RT Geophysical Surveys
RT Oklo Phenomenon
RT Radiometric Surveys
RT Well Logging Equipment

URANIUM DIOXIDE [01]
DA December 1, 1974
BT1 Uranium Oxides
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT2 Uranium Compounds
BT3 Actinide Compounds

URANIUM FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Uranium Compounds
BT2 Actinide Compounds
NT1 Uranium Hexafluoride
NT1 Uranium Pentafluoride
NT1 Uranium Tetrafluoride

URANIUM-GAMMA [01]
DA December 1, 1974
BT1 Uranium
BT2 Actinides
BT3 Metals
BT4 Elements

URANIUM HEXAFLUORIDE [01]
DA December 1, 1974
BT1 Uranium Fluorides
BT2 Fluorides
BT3 Fluorine Compounds
BT4 Halogen Compounds
BT3 Halides
BT4 Halogen Compounds
BT2 Uranium Compounds
BT3 Actinide Compounds
RT Sequoyah UF6 Production Plant

URANIUM HYDRIDES [01]
DA December 1, 1974
BT1 Hydrides
BT2 Hydrogen Compounds
BT1 Uranium Compounds
BT2 Actinide Compounds

URANIUM HYDROXIDES [01]
DA December 1, 1974
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds
BT1 Uranium Compounds
BT2 Actinide Compounds

Uranium I
DA December 1, 1974
USE Uranium 228

Uranium II
DA December 1, 1974
USE Uranium 234

URANIUM INSTITUTE [01]
(An international trade association.)
DA August 25, 1976
BT1 International Organizations

URANIUM IODIDES [01]
DA December 1, 1974
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds
BT1 Uranium Compounds
BT2 Actinide Compounds

URANIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

URANIUM ISOTOPES [01]
DA December 1, 1974
BT1 Actinide Isotopes
BT2 Isotopes
NT1 Uranium 218
NT1 Uranium 219
NT1 Uranium 222
NT1 Uranium 223
NT1 Uranium 224
NT1 Uranium 225
NT1 Uranium 226
NT1 Uranium 227
NT1 Uranium 228
NT1 Uranium 229
NT1 Uranium 230
NT1 Uranium 231
NT1 Uranium 232
NT1 Uranium 233
NT1 Uranium 234
NT1 Uranium 235
NT1 Uranium 236
NT1 Uranium 237
NT1 Uranium 238
NT1 Uranium 239
NT1 Uranium 240
NT1 Uranium 242

Uranium Mills
DA July 5, 1978
USE Feed Materials Plants

URANIUM MINERALS [01]
DA December 1, 1974
BT1 Radioactive Minerals
BT2 Minerals
BT2 Radioactive Materials
BT3 Materials
NT1 Andersonite
NT1 Autunite
NT1 Bassetite
NT1 Bayleyite
NT1 Becquerelite
NT1 Billietite
NT1 Boltwoodite
NT1 Brannerite
NT1 Carburan
NT1 Carnotite
NT1 Clarkeite
NT1 Coffinite
NT1 Compreignacite
NT1 Cuprosklodowskite
NT1 Curite
NT1 Cyrtolite
NT1 Davidite
NT1 Demesmaekerite
NT1 Dewindtite
NT1 Diderichite
NT1 Djalmaite
NT1 Dumontite
NT1 Ekanite
NT1 Ellsworthite
NT1 Euxenite
NT1 Ferghanite
NT1 Fourmarierite
NT1 Francevillite
NT1 Gastunite
NT1 Guilleminite
NT1 Gummite
NT1 Haiweeite
NT1 Hallimondite
NT1 Hatchettolite
NT1 Heinrichite
NT1 Ianthinite
NT1 Iriginite
NT1 Ishikawaite
NT1 Johannite
NT1 Kahlerite
NT1 Kirchheimerite
NT1 Lermontovite
NT1 Liebigite

NT1 Lodochnikite
NT1 Mackintoshite
NT1 Masuyite
NT1 Moctezumite
NT1 Moluranite
NT1 Montroseite
NT1 Naegite
NT1 Natroautunite
NT1 Ningyoite
NT1 Novacekite
NT1 Para-Schoepite
NT1 Parsonsite
NT1 Phosphuranylite
NT1 Ranquilite
NT1 Rauvite
NT1 Rutherfordite
NT1 Sabugalite
NT1 Saleeite
NT1 Schoepite
NT1 Schroeckingerite
NT1 Sengierite
NT1 Sharpite
NT1 Sklodowskite
NT1 Soddyite
NT1 Steenstrupine
NT1 Strelkinite
NT1 Thorianite
NT1 Thucholite
NT1 Torbernite
NT1 Tyuyamunite
NT1 Umohoite
NT1 Uraninites
NT2 Broeggerite
NT2 Pitchblende
NT1 Uranium Black
NT1 Uranocircite
NT1 Uranophane
NT1 Uranopilite
NT1 Uranothorianite
NT1 Uranothorite
NT1 Uranotile
NT1 Vesuvianite
NT1 Zeunerite
NT1 Zippeite
RT Uranium Carbonates
RT Uranium Oxides
RT Uranium Phosphates
RT Uranium Silicates
RT Uranium Sulfates

URANIUM MINES [01]
DA January 22, 1975
BT1 Mines
BT2 Underground Facilities
NT1 Beaverlodge Mine
NT1 Cluff Lake Mine
NT1 Key Lake Mine
NT1 Mary Kathleen Mines
NT1 Mi Vida Mine
NT1 Olympic Dam Mine
NT1 Osamu Utsumi Mine
NT1 Stanleigh Mine

URANIUM NITRATES [01]
DA December 1, 1974
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds
BT1 Uranium Compounds
BT2 Actinide Compounds

URANIUM NITRIDES [01]
DA December 1, 1974
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides
BT1 Uranium Compounds
BT2 Actinide Compounds
RT Mixed Nitride Fuels

URANIUM ORES [01]
DA December 1, 1974
BT1 Ores
NT1 Caldasite
NT1 Uranium Concentrates
RT Anaconda Uranium Mill
RT Blizzard Deposit
RT Erzgebirge Deposit
RT Highland Uranium Mill
RT Humeca Uranium Mill
RT Jabiluka Deposit
RT Koongarra Deposit
RT Mining
RT Nabarlek Deposit
RT Natural Nuclear Reactors
RT Ranger Deposit
RT Ranstad Deposit
RT Roxby Downs Deposit
RT Solution Mining
RT South Alligator Deposit
RT Thiobacillus Ferroxidans
RT Uranium
RT Uranium Reserves
RT Yeelirrie Deposit

Uranium Oxide Fuel Plant
DA January 29, 1975
USE Mixed Oxide Fuel Fabrication Plants

URANIUM OXIDES [01]
DA December 1, 1974
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds
BT1 Uranium Compounds
BT2 Actinide Compounds
NT1 Billietite
NT1 Compreignacite
NT1 Ferghanite
NT1 Guilleminite
NT1 Hallimondite
NT1 Heinrichite
NT1 Ianthinite
NT1 Kahlerite
NT1 Kirchheimerite
NT1 Lodochnikite
NT1 Moctezumite
NT1 Naegite
NT1 Novacekite
NT1 Para-Schoepite
NT1 Rauvite
NT1 Sengierite
NT1 Uranium Dioxide
NT1 Uranium Oxides U3O8
NT1 Uranium Trioxide
RT Becquerelite
RT Brannerite
RT Clarkeite
RT Curite
RT Demesmaekerite
RT Fourmarierite
RT Francevillite
RT Gummite
RT Hatchettolite
RT Iriginite
RT Masuyite
RT Moluranite
RT Oxide Minerals
RT Schoepite
RT Thorianite
RT Tyuyamunite
RT Umohoite
RT Uranium Black
RT Uranium Minerals
RT Uranothorianite
RT Zeunerite

URANIUM OXIDES U3O8 [01]
DA December 1, 1974
UF *U3O8*
UF *Yellow Cake*
BT1 Uranium Oxides
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT2 Uranium Compounds
BT3 Actinide Compounds

URANIUM PENTAFLUORIDE [01]
DA June 3, 1977
BT1 Uranium Fluorides
BT2 Fluorides
BT3 Fluorine Compounds
BT4 Halogen Compounds
BT3 Halides
BT4 Halogen Compounds
BT2 Uranium Compounds
BT3 Actinide Compounds

URANIUM PERCHLORATES [01]
DA January 22, 1975
BT1 Perchlorates
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Oxygen Compounds
BT1 Uranium Compounds
BT2 Actinide Compounds

URANIUM PEROXIDE [01]
DA October 28, 1980
UF *Uranium Peroxides*
BT1 Peroxides
BT2 Oxygen Compounds
BT1 Uranium Compounds
BT2 Actinide Compounds

Uranium Peroxides
(Prior to July 1985, this was a valid descriptor and older material is so indexed.)
DA July 23, 1977
USE Uranium Peroxide

URANIUM PHOSPHATES [01]
DA December 1, 1974
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds
BT1 Uranium Compounds
BT2 Actinide Compounds
NT1 Dewindtite
NT1 Natroautunite
NT1 Sabugalite
RT Dumontite
RT Lermontovite
RT Ningyoite
RT Parsonsite
RT Phosphate Minerals
RT Phosphuranylite
RT Saleeite
RT Torbernite
RT Uranium Minerals
RT Uranocircite

URANIUM PHOSPHIDES [01]
DA January 22, 1975
BT1 Phosphides
BT2 Phosphorus Compounds
BT2 Pnictides
BT1 Uranium Compounds
BT2 Actinide Compounds

URANIUM RECYCLE [01]
DA November 24, 1987
BT1 Fuel Cycle
RT Fuel Cycle Centers
RT Uranium

URANIUM RESERVES [01]
DA April 8, 1975
BT1 Reserves
BT2 Resources
RT Mineral Resources
RT Uranium Ores

URANIUM SELENIDES [01]
DA January 22, 1975
BT1 Selenides
BT2 Chalcogenides
BT2 Selenium Compounds
BT1 Uranium Compounds
BT2 Actinide Compounds

URANIUM SILICATES [01]
DA December 1, 1974
BT1 Silicates
BT2 Oxygen Compounds
BT2 Silicon Compounds
BT1 Uranium Compounds
BT2 Actinide Compounds
NT1 Ekanite
NT1 Mackintoshite
NT1 Ranquilite
NT1 Sklodowskite
NT1 Uranotile
RT Boltwoodite
RT Cuprosklodowskite
RT Silicate Minerals
RT Soddyite
RT Uranium Minerals
RT Uranophane
RT Uranothorite

URANIUM SILICIDES [01]
DA December 1, 1974
BT1 Silicides
BT2 Silicon Compounds

BT1 Uranium Compounds
BT2 Actinide Compounds

URANIUM SULFATES [01]
DA December 1, 1974
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds
BT1 Uranium Compounds
BT2 Actinide Compounds
RT Johannite
RT Sulfate Minerals
RT Uranium Minerals
RT Zippeite

URANIUM SULFIDES [01]
DA December 1, 1974
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds
BT1 Uranium Compounds
BT2 Actinide Compounds

URANIUM TELLURIDES [01]
DA June 12, 1975
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds
BT1 Uranium Compounds
BT2 Actinide Compounds

URANIUM TETRAFLUORIDE [01]
DA December 1, 1974
BT1 Uranium Fluorides
BT2 Fluorides
BT3 Fluorine Compounds
BT4 Halogen Compounds
BT3 Halides
BT4 Halogen Compounds
BT2 Uranium Compounds
BT3 Actinide Compounds

URANIUM TRIOXIDE [01]
DA December 1, 1974
BT1 Uranium Oxides
BT2 Oxides
BT3 Chalcogenides
BT3 Oxygen Compounds
BT2 Uranium Compounds
BT3 Actinide Compounds

URANIUM TUNGSTATES [01]
DA January 22, 1975
BT1 Tungstates
BT1 Uranium Compounds
BT2 Actinide Compounds

URANIUM VANADATES [01]
DA June 16, 1975
BT1 Uranium Compounds
BT2 Actinide Compounds
BT1 Vanadates
BT2 Oxygen Compounds
BT2 Vanadium Compounds
BT3 Transition Element Compounds
NT1 Carnotite
NT1 Strelkinite

Uranium X 1
DA December 1, 1974
USE Thorium 234

Uranium X 2
DA December 1, 1974
USE Thorium 231

URANOCIRCITE [01]
DA December 1, 1974
BT1 Phosphate Minerals
BT2 Minerals
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
RT Barium Sulfates
RT Uranium Phosphates

URANOPHANE [01]
DA June 12, 1975
BT1 Silicate Minerals
BT2 Minerals
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
RT Calcium Silicates
RT Uranium Silicates

URANOPILITE
DA June 12, 1975
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials

URANOTHORIANITE [01]
DA December 1, 1974
BT1 Oxide Minerals
BT2 Minerals
BT1 Thorium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
RT Thorium Oxides
RT Uranium Oxides

URANOTHORITE [01]
DA December 1, 1974
BT1 Silicate Minerals
BT2 Minerals
BT1 Thorium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
RT Thorium Silicates
RT Uranium Silicates

URANOTILE [01]
DA December 1, 1974
BT1 Calcium Silicates
BT2 Calcium Compounds
BT3 Alkaline Earth Metal Compounds
BT2 Silicates
BT3 Oxygen Compounds
BT3 Silicon Compounds
BT1 Silicate Minerals
BT2 Minerals
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
BT1 Uranium Silicates
BT2 Silicates
BT3 Oxygen Compounds
BT3 Silicon Compounds
BT2 Uranium Compounds
BT3 Actinide Compounds

URANUS PLANET [01]
DA December 1, 1974
BT1 Planets

→**URANYL CARBONATES [01]**
DA August 6, 1990
BT1 Carbonates
BT2 Carbon Compounds
BT2 Oxygen Compounds
BT1 Uranyl Compounds
BT2 Uranium Compounds
BT3 Actinide Compounds

URANYL CHLORIDES [01]
DA June 21, 1977
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Uranyl Compounds
BT2 Uranium Compounds
BT3 Actinide Compounds

URANYL COMPLEXES [01]
DA December 1, 1974
BT1 Uranium Complexes
BT2 Actinide Complexes
BT3 Complexes
RT Uranyl Compounds

URANYL COMPOUNDS [01]
DA December 1, 1974
BT1 Uranium Compounds
BT2 Actinide Compounds
NT1 AUC
NT1 Strelkinite
NT1 Uranyl Carbonates
NT1 Uranyl Chlorides
NT1 Uranyl Fluorides
NT1 Uranyl Nitrates
NT2 UNH
NT1 Uranyl Perchlorates
NT1 Uranyl Phosphates
NT1 Uranyl Silicates
NT1 Uranyl Sulfates
NT1 Uranyl Tungstates
RT Uranyl Complexes

URANYL FLUORIDES [01]
DA February 5, 1975
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Uranyl Compounds
BT2 Uranium Compounds
BT3 Actinide Compounds

Uranyl Nitrate Hexahydrate
DA March 8, 1978
USE UNH

URANYL NITRATES [01]
DA December 1, 1974
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds
BT1 Uranyl Compounds
BT2 Uranium Compounds
BT3 Actinide Compounds
NT1 UNH

URANYL PERCHLORATES [01]
DA September 24, 1985
BT1 Perchlorates
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Oxygen Compounds
BT1 Uranyl Compounds
BT2 Uranium Compounds
BT3 Actinide Compounds

URANYL PHOSPHATES [01]
DA September 11, 1978
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds
BT1 Uranyl Compounds
BT2 Uranium Compounds
BT3 Actinide Compounds

URANYL SILICATES [01]
DA July 6, 1981
BT1 Silicates
BT2 Oxygen Compounds
BT2 Silicon Compounds
BT1 Uranyl Compounds
BT2 Uranium Compounds
BT3 Actinide Compounds

URANYL SULFATES [01]
DA June 16, 1975
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds
BT1 Uranyl Compounds
BT2 Uranium Compounds
BT3 Actinide Compounds

URANYL TUNGSTATES [01]
DA December 2, 1988
BT1 Tungstates
BT1 Uranyl Compounds
BT2 Uranium Compounds
BT3 Actinide Compounds

URBAN AREAS [01]
DA December 1, 1974
UF *Cities*
UF *Metropolitan Areas*
UF *Suburbs*
NT1 Atlanta
NT1 Chattanooga
NT1 Chicago
NT1 Cleveland
NT1 Los Alamos
NT1 Los Angeles
NT1 New York City
NT1 Oak Ridge
NT1 Pittsburgh
NT1 Richland
RT Aesthetics
RT Boom Towns
RT Industrial Parks
RT Planned Communities
RT Residential Sector
RT Urban Populations

URBAN POPULATIONS [01]
DA December 1, 1974
BT1 Human Populations
BT2 Populations
RT Sociology
RT Urban Areas

URBARYONS
DA May 15, 1975
BT1 Postulated Particles
BT2 Elementary Particles
RT Particle Models
RT Particle Structure

UREA [01]
DA December 1, 1974
UF *Carbamide*
BT1 Amides
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
BT1 Carbonic Acid Derivatives
BT2 Organic Compounds
RT Allantoin
RT Citrulline
RT Hydantoins
RT Nitrosoureas
RT Urea-Formaldehyde Foams
RT Uremia

UREA-FORMALDEHYDE FOAMS
DA February 11, 1980
BT1 Foams
BT2 Colloids
BT3 Dispersions
RT Formaldehyde
RT Polymers
RT Thermal Insulation
RT Urea

UREASE [01]
(Code number 3.5.1.5)
DA December 1, 1974
BT1 Amidinases
BT2 Non-Peptide C-N Hydrolases
BT3 Hydrolases
BT4 Enzymes
BT5 Proteins
BT6 Organic Compounds

Ureidoaminovaleric Acid
DA December 1, 1974
USE Citrulline

UREMIA [01]
DA December 1, 1974
BT1 Symptoms
RT Blood
RT Kidneys
RT Urea

URETERS [01]
DA December 1, 1974
BT1 Urinary Tract
BT2 Organs
BT3 Body

URETHANE [01]
DA December 1, 1974
BT1 Carbamates
BT2 Carbonic Acid Derivatives
BT3 Organic Compounds
BT2 Carboxylic Acid Salts
BT2 Organic Nitrogen Compounds
BT3 Organic Compounds
RT Polyurethanes

Urethra
DA December 1, 1974
USE Urinary Tract

URIC ACID [01]
DA December 1, 1974
UF *8-Hydroxyxanthine*
BT1 Xanthines
BT2 Organic Oxygen Compounds
BT3 Organic Compounds
BT2 Purines
BT3 Azaarenes
BT4 Aromatics
BT5 Organic Compounds
BT4 Heterocyclic Compounds
BT5 Organic Compounds
BT4 Organic Nitrogen Compounds
BT5 Organic Compounds
RT Organic Acids

URICASE [01]
DA December 1, 1974
BT1 Nitro-Group Dehydrogenases
BT2 Oxidoreductases
BT3 Enzymes
BT4 Proteins
BT5 Organic Compounds

URIDINE [01]
DA December 1, 1974
BT1 Nucleosides
BT2 Nucleotides
BT3 Organic Compounds
BT2 Ribosides
BT1 Uracils
BT2 Hydroxy Compounds
BT3 Organic Compounds
BT2 Pyrimidines
BT3 Azines
BT4 Heterocyclic Compounds
BT5 Organic Compounds
BT4 Organic Nitrogen Compounds
BT5 Organic Compounds
RT UDPG
RT UMP

Uridine Monophosphate
DA February 23, 1982
USE UMP

Uridine Triphosphate
DA October 1, 1975
USE UTP

URIDYLIC ACID [01]
DA December 1, 1974
BT1 Nucleotides
BT2 Organic Compounds
RT Uracils

Urinalysis
DA December 1, 1974
USE Qualitative Chemical Analysis
AND Urine

URINARY KETOSTEROIDS [01]
DA December 1, 1974
UF *Ketosteroids (Urinary)*
RT Androgens
RT Steroids
RT Urine

URINARY TRACT [01]
DA December 1, 1974
UF *Urethra*
UF+ *Kidney Stones*
BT1 Organs
BT2 Body
NT1 Bladder
NT1 Ureters
RT Calculi
RT Excretion
RT Kidneys
RT Mechanical Kidney
RT Urine
RT Urogenital System Diseases

URINE [01]
DA December 1, 1974
UF+ *Deoxycytidinuria*
UF+ *Urinalysis*
BT1 Biological Wastes
BT2 Biological Materials
BT3 Materials
BT2 Wastes
BT1 Body Fluids
BT2 Biological Materials
BT3 Materials
RT Diuretics
RT Excretion
RT Kidneys
RT Urinary Ketosteroids
RT Urinary Tract

UROBILINOGEN [01]
DA December 1, 1974
BT1 Heterocyclic Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT2 Heterocyclic Compounds
BT3 Organic Compounds
BT1 Pigments
BT1 Pyrroles
BT2 Azoles
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
RT Bile

UROCANIC ACID [01]
DA December 1, 1974
BT1 Heterocyclic Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
BT2 Heterocyclic Compounds
BT3 Organic Compounds
BT1 Imidazoles
BT2 Azoles
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds

Urocyon
DA March 12, 1985
USE Foxes

UROGENITAL SYSTEM DISEASES [01]
DA December 1, 1974
UF+ *Uterine Cervix Carcinoma*
BT1 Diseases
NT1 Glycosuria
NT1 Gonorrhea
NT1 Nephritis
NT1 Nephrosclerosis
RT Diuretics
RT Endocrine Diseases
RT Female Genitals
RT Gynecology
RT Kidneys
RT Male Genitals
RT Menstruation Disorders
RT Reproductive Disorders
RT Syphilis
RT Urinary Tract

UROKINASE [01]
(Code number 3.4.99.26.)
DA December 1, 1974
BT1 Blood Coagulation Factors
BT2 Coagulants
BT3 Hematologic Agents
BT4 Drugs
BT2 Proteins
BT3 Organic Compounds
BT1 Fibrinolytic Agents
BT2 Hematologic Agents
BT3 Drugs

BT1 Nonspecific Peptidases
BT2 Peptide Hydrolases
BT3 Hydrolases
BT4 Enzymes
BT5 Proteins
BT6 Organic Compounds
RT Fibrinolysis

URONIC ACIDS
DA July 18, 1979
BT1 Monocarboxylic Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds
RT Wood
DEF Hydrolyzate of hemicellulose; class of compounds similar to sugars, but terminal carbon has been oxidized from an alcohol to a carboxyl group.

UROTROPIN [01]
DA December 1, 1974
UF *Hexamethylenetetramine*
BT1 Amines
BT2 Organic Compounds

URR REACTOR [01]
DA December 1, 1974
UF *Manchester Liverpool University Research Reactor*
BT1 Argonaut Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors

URUGUAY [01]
DA December 1, 1974
BT1 Developing Countries
BT1 South America
BT2 Latin America

US ACDA
DA March 4, 1986
UF *US Arms Control and Disarmament Agency*
BT1 US Organizations
BT2 National Organizations
RT Arms Control

US AEC [01]
(Includes all AEC-associated organizations.)
DA December 1, 1974
UF *US Atomic Energy Commission*
BT1 US Organizations
BT2 National Organizations
NT1 Ames Laboratory
NT1 ANL
NT1 Bettis
NT1 BNL
NT1 Feed Materials Production Center
NT1 HAPO
NT1 Idaho Chemical Processing Plant
NT1 KAPL
NT1 LASL
NT1 Lawrence Berkeley Laboratory
NT1 Lawrence Livermore Laboratory
NT1 Mound Laboratory
NT1 ORNL
NT1 Paducah Plant
NT1 Rocky Flats Plant
NT1 Sandia Laboratories
NT1 Savannah River Plant
NT1 Sequoyah UF6 Production Plant
NT1 Y-12 Plant
RT Regulatory Guides
RT US ERDA
RT US NRC
RT USA

US AEC Low Intensity Test Reactor
DA December 1, 1974
USE LITR Reactor

US AEC LPTR Reactor
DA December 1, 1974
USE LPTR Reactor

US AEC Materials Testing Reactor-Idaho
DA December 1, 1974
USE MTR Reactor

US AEC MRR
DA December 1, 1974
USE MRR Reactor

→**US AFFIRMATIVE ACTION PROGRAM**
(Prior to December 1991 this concept was indexed to AFFIRMATIVE ACTION.)
DA December 18, 1991
UF *Affirmative Action*
RT Employment
RT Minority Groups
RT US Federal Assistance Programs
RT Women
DEF A program designed to ensure that positive action is undertaken to overcome underrepresentation of women and minority groups in employment and in post-secondary student bodies, as compared with the composition of the area population.

US Antitrust Laws
(From February to August 1992 this was a valid descriptor.)
DA February 25, 1992
USE Antitrust Laws

US Arms Control and Disarmament Agency
DA March 4, 1986
USE US ACDA

US Atomic Energy Commission
DA December 1, 1974
USE US AEC

US BUREAU OF MINES [01]
DA November 17, 1976
UF *Bureau of Mines*
BT1 US DOI
BT2 US Organizations
BT3 National Organizations
RT BOM Refining Districts
RT US ERDA

→**US BUREAU OF RECLAMATION [01]**
(Prior to December 1991 this concept was indexed to BUREAU OF RECLAMATION.)
DA December 18, 1991
UF *Bureau of Reclamation*
BT1 US DOI
BT2 US Organizations
BT3 National Organizations

US CEQ
DA March 17, 1981
UF *Council on Environmental Quality*
BT1 US Organizations
BT2 National Organizations

US CIA
DA August 25, 1980
UF *Central Intelligence Agency*
BT1 US Organizations
BT2 National Organizations

US Clean Air Act
(Prior to November 1991 this concept was indexed to CLEAN AIR ACT. From November 1991 to August 1993 this was a valid descriptor.)
DA November 5, 1991
USE Clean Air Acts

US CLEAN COAL TECHNOLOGY PROGRAM [01]
DA February 28, 1990
RT Coal Preparation
RT Desulfurization
RT Pollution Control

US Clean Water Act
(Prior to April 1980 this concept was indexed to FEDERAL WATER POLLUTION CONTROL ACT. Prior to December 1991 this concept was indexed to CLEAN WATER ACT. From December 1991 to August 1993 this was a valid descriptor.)
DA November 5, 1991
USE Clean Water Acts

US COAST GUARD [01]
DA August 9, 1977
BT1 US DOT
BT2 US Organizations
BT3 National Organizations

→**US CORPS OF ENGINEERS [01]**
(Prior to December 1991 this concept was indexed to CORPS OF ENGINEERS.)
DA December 18, 1991
UF *Corps of Engineers*
BT1 US DOD
BT2 US Organizations
BT3 National Organizations

US Department of Agriculture
DA February 23, 1979
USE US DOA

US Department of Commerce
DA February 23, 1979
USE US DOC

US Department of Health, Education, and Welfare
DA February 23, 1979
USE US HEW

US Department of Housing and Urban Development
DA August 25, 1980
USE US HUD

US Department of Justice
DA February 23, 1979
USE US DOJ

US Department of Labor
DA February 23, 1979
USE US DOL

US Department of State
DA December 17, 1979
USE US DOS

US DEPARTMENT OF TREASURY [01]
DA February 23, 1979
BT1 US Organizations
BT2 National Organizations
NT1 US IRS

→**US DEPLETION ALLOWANCES [01]**
(Prior to February 1992 this subject was indexed to DEPLETION ALLOWANCES.)
DA February 24, 1992
UF *Depletion Allowances*
RT Financial Incentives
RT Resource Depletion
RT Taxes
DEF Deductions allowed to federal income tax based on using up natural resources such as fossil fuels.

US DOA [01]
DA February 23, 1979
UF *US Department of Agriculture*
BT1 US Organizations
BT2 National Organizations
NT1 US Forest Service
NT1 US REA

US DOC
DA February 23, 1979
UF *US Department of Commerce*
BT1 US Organizations
BT2 National Organizations
NT1 US NBS

US DOD [01]
DA September 20, 1977
UF *Department of Defense*
BT1 US Organizations
BT2 National Organizations
NT1 US Corps of Engineers

US DOE [01]
DA August 9, 1977
BT1 US Organizations
BT2 National Organizations
NT1 Alaska Power Administration
NT1 Ames Laboratory
NT1 ANL
NT1 Atomics International Canoga Park Plant
NT1 Bartlesville Energy Technology Center
NT1 Battelle Pacific Northwest Laboratories
NT1 Bettis
NT1 BNL
NT1 Bonneville Power Administration
NT1 Economic Regulatory Administration
NT1 Environmental Measurements Laboratory
NT1 Feed Materials Production Center
NT1 Hanford Engineering Development Laboratory
NT1 Hanford Reservation
NT1 HAPO
NT1 Idaho Chemical Processing Plant
NT1 Idaho National Engineering Laboratory
NT1 Inhalation Toxicology Research Institute
NT1 Kansas City Plant
NT1 KAPL
NT1 LANL
NT1 Laramie Energy Research Center
NT1 Laramie Energy Technology Center
NT1 LASL
NT1 Lawrence Berkeley Laboratory
NT1 Lawrence Livermore Laboratory
NT1 Morgantown Energy Technology Center
NT1 Mound Laboratory
NT1 Nevada Test Site
NT1 Oak Ridge Reservation
NT1 ORGDP
NT1 ORNL
NT1 Paducah Plant
NT1 Pantex Plant
NT1 Pinellas Plant
NT1 Pittsburgh Energy Technology Center
NT1 Portsmouth Gaseous Diffusion Plant
NT1 Rocky Flats Plant
NT1 Sandia Laboratories
NT1 Savannah River Plant
NT1 Sequoyah UF6 Production Plant
NT1 Solar Energy Research Institute
NT1 Southeastern Power Administration
NT1 Southwestern Power Administration
NT1 Stanford Linear Accelerator Center
NT1 Technical Information Center
NT1 US DOE Field Offices
NT1 US DOE Inspector General
NT1 US Energy Extension Service
NT1 US Energy Information Administration
NT1 US FERC
NT1 US MSHA
NT1 US NIPER
NT1 USUR
NT1 Western Area Power Administration
NT1 WIPP
NT1 Y-12 Plant
RT Energy Research Advisory Board
RT UCLA
RT US ERDA
RT US FEA

US DOE FIELD OFFICES [01]
DA March 24, 1983
UF *Field Offices*
UF *Operations Offices*
BT1 US DOE
BT2 US Organizations
BT3 National Organizations

US DOE INSPECTOR GENERAL
DA June 6, 1980
UF *Inspector General (US DOE)*
BT1 US DOE
BT2 US Organizations
BT3 National Organizations
RT Audits

US DOE Program Management
(From February 1992 to January 1993, this was a valid descriptor.)
DA February 14, 1992
USE Program Management

US DOI [01]
DA April 6, 1978
UF *Department of Interior*
BT1 US Organizations
BT2 National Organizations
NT1 US Bureau of Mines
NT1 US Bureau of Reclamation
NT1 US FWS
NT1 US GS
NT1 US OSM

US DOJ
DA February 23, 1979
UF *Justice Department*
UF *US Department of Justice*
BT1 US Organizations
BT2 National Organizations
NT1 Federal Bureau of Investigation

US DOL [01]
DA February 23, 1979
UF *US Department of Labor*
BT1 US Organizations
BT2 National Organizations
NT1 US OSHA

US DOS
DA December 17, 1979
UF *US Department of State*
BT1 US Organizations
BT2 National Organizations

US DOT
DA August 9, 1977
UF *Department of Transportation*
BT1 US Organizations
BT2 National Organizations
NT1 US Coast Guard
NT1 US FAA

→**US EAST COAST [01]**
(Prior to December 1991 this concept was indexed to EAST COAST.)
DA December 18, 1991
UF *East Coast*
BT1 USA
BT2 Developed Countries
BT2 North America
RT Atlantic Ocean
RT Connecticut
RT Delaware
RT Florida
RT Georgia
RT Maine
RT Maryland
RT Massachusetts
RT Mid-Atlantic Bight
RT New Hampshire
RT New Jersey
RT New York
RT New York Bight
RT North Carolina
RT Rhode Island
RT South Carolina
RT Virginia

→**US ECONOMIC RECOVERY TAX ACT [01]**
(Prior to February 1992 this subject was indexed to ECONOMIC RECOVERY TAX ACT.)
DA February 21, 1992
UF *Economic Recovery Tax Act*
BT1 Laws
RT Economic Development
RT Financial Incentives
RT Legislation
RT Taxes
RT Windfall Profits Tax

US EES
DA August 8, 1978
USE US Energy Extension Service

→**US EMERGENCY PREPAREDNESS ACT [01]**
(Prior to February 1992 this subject was indexed to EMERGENCY PREPAREDNESS ACT.)
DA February 21, 1992
UF *Emergency Preparedness Act*
BT1 Laws
RT Emergency Plans
RT Energy Supplies

→**US ENERGY EXTENSION SERVICE [01]**
(Prior to February 1992 this subject was indexed to ENERGY EXTENSION SERVICE.)
DA February 24, 1992
UF *EES*
UF *Energy Extension Service*
UF *US EES*
BT1 US DOE
BT2 US Organizations
BT3 National Organizations

→**US ENERGY INFORMATION ADMINISTRATION [01]**
(Prior to February 1992 this subject was indexed to ENERGY INFORMATION ADMINISTRATION.)
DA February 24, 1992
UF *Energy Information Administration*
BT1 US DOE
BT2 US Organizations
BT3 National Organizations

→**US ENERGY POLICY AND CONSERVATION ACT [01]**
(Prior to February 1992 this subject was indexed to ENERGY POLICY AND CONSERVATION ACT.)
DA February 24, 1992
UF *Energy Policy and Conservation Act*
UF *EPCA*
BT1 Laws
RT Energy Conservation
RT Energy Policy

→**US ENERGY SECURITY ACT [01]**
(Prior to February 1992 this subject was indexed to ENERGY SECURITY ACT.)
DA February 21, 1992
UF *Energy Security Act*
BT1 Laws
RT Synthetic Fuels Corporation

→**US ENERGY TAX ACT [01]**
(Prior to February 1992 this subject was indexed to ENERGY TAX ACT.)
DA February 24, 1992

UF *Energy Tax Act*
BT1 National Energy Acts
BT2 Laws
RT Energy Conservation
RT Energy Consumption
RT Financial Incentives

US EPA [01]
DA November 29, 1977
UF *Environmental Protection Agency*
UF *EPA*
BT1 US Organizations
BT2 National Organizations

US ERA
DA November 23, 1979
USE Economic Regulatory Administration

US ERDA [01]
(United States Energy Research and Development Administration.)
DA April 8, 1975
UF *Energy Research and Development Administration*
BT1 US Organizations
BT2 National Organizations
NT1 Ames Laboratory
NT1 ANL
NT1 Atomics International Canoga Park Plant
NT1 Battelle Columbus Laboratory
NT1 Battelle Pacific Northwest Laboratories
NT1 Bettis
NT1 BNL
NT1 Feed Materials Production Center
NT1 Hanford Reservation
NT1 HAPO
NT1 Idaho Chemical Processing Plant
NT1 Idaho National Engineering Laboratory
NT1 Kansas City Plant
NT1 KAPL
NT1 Laramie Energy Research Center
NT1 LASL
NT1 Lawrence Berkeley Laboratory
NT1 Lawrence Livermore Laboratory
NT1 Mound Laboratory
NT1 Oak Ridge Reservation
NT1 ORGDP
NT1 ORNL
NT1 Paducah Plant
NT1 Pantex Plant
NT1 Pinellas Plant
NT1 Portsmouth Gaseous Diffusion Plant
NT1 Rocky Flats Plant
NT1 Sandia Laboratories
NT1 Savannah River Plant
NT1 Sequoyah UF6 Production Plant
NT1 Stanford Linear Accelerator Center
NT1 Y-12 Plant
RT US AEC
RT US Bureau of Mines
RT US DOE
RT USA

US FAA [01]
DA September 13, 1978
UF *Federal Aviation Administration*
BT1 US DOT
BT2 US Organizations
BT3 National Organizations
DEF US Federal Aviation Administration.

US FDA [01]
DA June 14, 1978
UF *Food and Drug Administration*
BT1 US HEW
BT2 US Organizations
BT3 National Organizations

US FEA [01]
DA May 15, 1975
UF *Federal Energy Administration*
BT1 US Organizations
BT2 National Organizations
RT US DOE

→**US FEDERAL ASSISTANCE PROGRAMS [01]**
(Prior to February 1992 this subject was indexed to FEDERAL ASSISTANCE PROGRAMS.)
DA February 24, 1992
UF *Federal Assistance Programs*
RT Federal Expenditures
RT Government Policies
RT Local Government
RT National Government
RT State Government
RT US Affirmative Action Program

→**US FEDERAL POWER COMMISSION [01]**
(Prior to February 1992 this subject was indexed to FEDERAL POWER COMMISSION.)
DA February 24, 1992
UF *Federal Power Commission*
UF *FPC*
BT1 US Organizations
BT2 National Organizations

US FEMA [01]
DA February 10, 1984
UF *Federal Emergency Management Agency*
BT1 US Organizations
BT2 National Organizations
DEF US Federal Emergency Management Agency.

US FERC [01]
DA February 14, 1978
UF *Federal Energy Regulatory Commission*
BT1 US DOE
BT2 US Organizations
BT3 National Organizations
RT FERC Gas Areas
RT Regulations

US FOREST SERVICE
DA June 13, 1981
BT1 US DOA
BT2 US Organizations
BT3 National Organizations

US FWS [01]
DA December 26, 1984
UF *Fish and Wildlife Service*
BT1 US DOI
BT2 US Organizations
BT3 National Organizations

US GAO [01]
DA February 23, 1979
UF *General Accounting Office*
BT1 US Organizations
BT2 National Organizations
RT Accounting

US General Services Administration
DA February 23, 1979
USE US GSA

US Geological Survey
DA June 16, 1981
USE US GS

US GS [01]
DA June 16, 1981
UF *US Geological Survey*
BT1 US DOI
BT2 US Organizations
BT3 National Organizations

US GSA
DA February 23, 1979
UF *US General Services Administration*
BT1 US Organizations
BT2 National Organizations

→**US GULF COAST [01]**
(Prior to June 1992 this subject was indexed to GULF COAST.)
DA January 24, 1992
UF *Gulf Coast*
BT1 USA
BT2 Developed Countries
BT2 North America
RT Alabama
RT Florida
RT Gulf of Mexico
RT Louisiana
RT Mississippi
RT Texas

US HEW
DA February 23, 1979
UF *US Department of Health, Education, and Welfare*
BT1 US Organizations
BT2 National Organizations
NT1 US FDA

US HUD [01]
DA April 12, 1977
UF *US Department of Housing and Urban Development*
BT1 US Organizations
BT2 National Organizations

US IRS [01]
DA April 3, 1978
UF *Internal Revenue Service*
BT1 US Department of Treasury
BT2 US Organizations
BT3 National Organizations

US JCAE [01]
DA September 12, 1975
UF *Joint Committee on Atomic Energy*
RT US Organizations

→**US MRS PROJECT [01]**
(Monitored Retrievable Storage project in the USA for the long-term isolation of spent fuel and radioactive wastes permitting continuous monitoring, ready retrieval and periodic maintenance as necessary to assure containment.)
DA October 29, 1991
RT High-Level Radioactive Wastes
RT Radioactive Waste Storage
RT Spent Fuel Storage
RT Spent Fuels

US MSHA
DA February 8, 1982
UF *Mine Safety and Health Administration*
BT1 US DOE
BT2 US Organizations
BT3 National Organizations

→**US NAPAP [01]**
(Prior to October 1991, this concept was indexed to NAPAP.)
DA October 31, 1991
UF *NAPAP*
UF *National Acid Precipitation Assessment Program*
BT1 US Organizations
BT2 National Organizations
RT Acid Rain
RT Information Needs
RT Research Programs
RT US National Program Plans

US NATIONAL ACADEMY OF SCIENCE [01]
DA May 6, 1975
BT1 US Organizations
BT2 National Organizations

US National Council for Radiation Protection
DA December 1, 1974
USE US NCRP

US National Energy Act
(Prior to February 1992 this concept was indexed to NATIONAL ENERGY ACT. From February 1992 to August 1993 this was a valid descriptor.)

DA February 14, 1992
USE National Energy Acts

→**US NATIONAL ENERGY CONSERVATION POLICY ACT**
(Prior to February 1992 this concept was indexed to NATIONAL ENERGY CONSERVATION POLICY ACT.)
DA February 14, 1992
UF *National Energy Conservation Policy Act*
BT1 National Energy Acts
BT2 Laws
RT Energy Conservation
RT Energy Policy

→**US NATIONAL ENERGY PLAN [01]**
(Prior to February 1992 this concept was indexed to NATIONAL ENERGY PLAN.)
DA February 14, 1992
BT1 National Energy Plans
BT2 Energy Policy
BT3 Government Policies
RT Energy Conservation
RT Energy Sources
RT Energy Supplies
RT US National Program Plans
DEF The plan proposed by President Carter in April 1977, and subsequent plans developed by the Department of Energy.

→**US NATIONAL ENVIRONMENTAL POLICY ACT [01]**
(Prior to January 1992 this concept was indexed to NATIONAL ENVIRONMENTAL POLICY ACT.)
DA January 13, 1992
UF *National Environmental Policy Act*
UF *NEPA*
BT1 Laws
RT Environment
RT Environmental Impact Statements
RT Environmental Policy

US National Oceanic and Atmospheric Administration
DA January 24, 1980
USE US NOAA

→**US NATIONAL PROGRAM PLANS [01]**
(For reports describing the Federal RD and D program plan for energy technologies. Prior to February 1992 this concept was indexed to NATIONAL PROGRAM PLANS.)
DA February 14, 1992
UF *National Program Plans*
RT Commercialization
RT Demonstration Programs
RT Government Policies
RT Planning
RT Research Programs
RT US NAPAP
RT US National Energy Plan

→**US NATURAL GAS POLICY ACT [01]**
(Prior to February 1992 this concept was indexed to NATURAL GAS POLICY ACT.)
DA February 14, 1992
UF *Natural Gas Policy Act*
BT1 National Energy Acts
BT2 Laws
RT Consumer Protection
RT Deregulation
RT Energy Policy
RT Natural Gas Industry
RT Pricing Regulations
RT Rate Structure

→**US NAVAL OIL SHALE RESERVES [01]**
(Prior to February 1992 this concept was indexed to NAVAL OIL SHALE RESERVES.)
DA February 14, 1992
UF *Naval Oil Shale Reserves*
BT1 Oil Shale Deposits
BT2 Geologic Deposits
BT2 Mineral Resources
BT3 Resources
BT1 Reserves
BT2 Resources
RT Colorado
RT Utah

→**US NAVAL PETROLEUM RESERVES [01]**
(Prior to February 1992 this concept was indexed to NAVAL PETROLEUM RESERVE.)
DA February 14, 1992
UF *Naval Petroleum Reserve*
BT1 Petroleum Deposits
BT2 Geologic Deposits
BT2 Mineral Resources
BT3 Resources
BT1 Reserves
BT2 Resources
RT California
RT Energy Supplies
RT Fuel Supplies
RT Underground Storage
RT Wyoming

US NBS [01]
DA April 6, 1978
UF *National Bureau of Standards*
BT1 US DOC
BT2 US Organizations
BT3 National Organizations

US NBS Reactor
DA December 1, 1974
USE NBSR Reactor

US NCRP [01]
(US National Council for Radiation Protection.)
DA December 1, 1974
UF *National Council Radiation Protection*
UF *US National Council for Radiation Protection*
BT1 US Organizations
BT2 National Organizations

→**US NIOSH [01]**
(Prior to January 1992 this subject was indexed to NIOSH.)
DA January 24, 1992
UF *National Institute for Occupational Safety and Health*
UF *NIOSH*
BT1 US Organizations
BT2 National Organizations

→**US NIPER [01]**
(Prior to November 1991 this subject was indexed to NIPER.)
DA November 1, 1991
UF *National Institute for Petroleum and Energy Research*
UF *NIPER*
BT1 US DOE
BT2 US Organizations
BT3 National Organizations

US NOAA [01]
DA January 24, 1980
UF *National Oceanic and Atmospheric Administration*
UF *US National Oceanic and Atmospheric Administration*
BT1 US Organizations
BT2 National Organizations

US NRC [01]
(United States Nuclear Regulatory Commission-prior to 1975 was part of US AEC.)
DA April 8, 1975
BT1 US Organizations
BT2 National Organizations
RT US AEC
RT USA

US NUCLEAR DATA NETWORK [01]
DA April 9, 1985
BT1 US Organizations
BT2 National Organizations
RT International Nuclear Data Committee
RT Nuclear Data Collections

→**US OCCUPATIONAL SAFETY AND HEALTH ACT [01]**
(Prior to February 1992 this subject was indexed to OCCUPATIONAL SAFETY AND HEALTH ACT.)
DA February 14, 1992
UF *Occupational Safety and Health Act*
BT1 Laws
RT Health Hazards
RT Occupational Diseases
RT Safety
RT Working Conditions

US ORGANIZATIONS [01]
DA December 1, 1974
BT1 National Organizations
NT1 Federal Radiation Council
NT1 NASA
NT1 National Science Foundation
NT1 Naval Research Laboratory
NT1 ORAU
NT1 ORINS
NT1 Synthetic Fuels Corporation
NT1 Tennessee Valley Authority
NT1 US ACDA
* NT1 US AEC
NT1 US CEQ
NT1 US CIA
NT1 US Department of Treasury
NT2 US IRS
NT1 US DOA
NT2 US Forest Service
NT2 US REA
NT1 US DOC
NT2 US NBS
NT1 US DOD
NT2 US Corps of Engineers
* NT1 US DOE
NT1 US DOI
NT2 US Bureau of Mines
NT2 US Bureau of Reclamation
NT2 US FWS
NT2 US GS
NT2 US OSM
NT1 US DOJ
NT2 Federal Bureau of Investigation
NT1 US DOL
NT2 US OSHA
NT1 US DOS
NT1 US DOT
NT2 US Coast Guard
NT2 US FAA
NT1 US EPA
* NT1 US ERDA
NT1 US FEA
NT1 US Federal Power Commission
NT1 US FEMA
NT1 US GAO
NT1 US GSA
NT1 US HEW
NT2 US FDA
NT1 US HUD
NT1 US NAPAP
NT1 US National Academy of Science
NT1 US NCRP
NT1 US NIOSH
NT1 US NOAA
NT1 US NRC
NT1 US Nuclear Data Network
NT1 US OTA
NT1 US Postal Service
NT1 US Veterans Administration
RT US JCAE

US OSHA [01]
DA June 14, 1978
UF *Occupational Safety and Health Administration*
UF *OSHA*
BT1 US DOL
BT2 US Organizations
BT3 National Organizations

US OSM [01]
(United States Office of Surface

Mining. (Regulates all coal mining activities.))
DA September 24, 1985
BT1 US DOI
BT2 US Organizations
BT3 National Organizations
RT Coal Mining

US OTA [01]
DA March 17, 1981
UF *Office of Technology Assessment*
BT1 US Organizations
BT2 National Organizations
RT Technology Transfer

US POSTAL SERVICE
DA February 23, 1979
BT1 US Organizations
BT2 National Organizations

→US POWER PLANT AND INDUSTRIAL FUEL USE ACT
(Prior to February 1992 this subject was indexed to POWER PLANT AND INDUSTRIAL FUEL USE ACT.)
DA February 25, 1992
UF *Fuel Use Act*
UF *Power Plant and Industrial Fuel Use Act*
BT1 National Energy Acts
BT2 Laws
RT Electric Utilities
RT Fossil-Fuel Power Plants
RT Fossil Fuels

→US PUBLIC UTILITY REGULATORY POLICIES ACT [01]
(Prior to February 1992 this subject was indexed to PUBLIC UTILITY REGULATORY POLICIES ACT.)
DA February 25, 1992
UF *Public Utility Regulatory Policies Act*
UF *PURPA*
BT1 National Energy Acts
BT2 Laws
RT Energy Conservation
RT Energy Efficiency
RT Public Utilities
RT Rate Structure
RT Regulations

US REA
DA September 6, 1979
UF *Rural Electrification Administration*
BT1 US DOA
BT2 US Organizations
BT3 National Organizations

US Resource Recovery Acts
(Prior to February 1992 this concept was indexed to RESOURCE RECOVERY ACTS.)
DA February 14, 1992
USE Resource Recovery Acts

→US SUPERFUND [01]
(Prior to November 1991 this material was indexed to SUPERFUND.)
DA November 1, 1991
UF *CERCLA*
UF *Superfund*
BT1 Pollution Laws
BT2 Laws
RT Enforcement
RT Environmental Policy
RT Hazardous Materials
RT Pollution Regulations
RT Remedial Action
RT Sanitary Landfills
RT Waste Disposal
RT Waste Disposal Acts
DEF Comprehensive Environmental Response, Compensation, and Liability Act of 1980: Public law 96-510.

US VETERANS ADMINISTRATION
DA February 23, 1979
BT1 US Organizations
BT2 National Organizations

US Water Pollution Control Act
DA April 14, 1977
USE Clean Water Acts

→US WEST COAST [01]
(Prior to June 1992 this concept was indexed to WEST COAST.)
DA December 18, 1991
UF *West Coast*
BT1 USA
BT2 Developed Countries
BT2 North America
RT California
RT Oregon
RT Pacific Ocean
RT Washington

USA [01]
DA December 1, 1974
UF *Central Region*
UF *Federal Region I*
UF *Federal Region II*
UF *Federal Region III*
UF *Federal Region IV*
UF *Federal Region IX*
UF *Federal Region V*
UF *Federal Region VI*
UF *Federal Region VII*
UF *Federal Region VIII*
UF *Federal Region X*
UF *Great Lakes Region*
UF *Great Plains*
UF *Mid-Atlantic Region*
UF *Midwest Region*
UF *New England*
UF *Pacific Northwest Region*
UF *Region I*
UF *Region II*
UF *Region III*
UF *Region IV*
UF *Region IX*
UF *Region V*
UF *Region VI*
UF *Region VII*
UF *Region VIII*
UF *Region X*
UF *Rocky Mountain Region*
UF *Southeast Region*
UF *Southwest Region*
UF *United States of America*
UF *Western Region*
SF *North Atlantic Region*
BT1 Developed Countries
BT1 North America
NT1 Alabama
NT1 Alaska
NT1 American Samoa
NT1 Arizona
NT1 Arkansas
NT1 California
NT2 Brawley Geothermal Field
NT2 Coso Hot Springs
NT2 Imperial Valley
NT2 Long Valley
NT2 Los Angeles
NT1 Colorado
NT2 Mahogany Zone
NT2 Sand Wash Basin
NT1 Connecticut
NT1 Delaware
NT1 Florida
NT2 Cape Kennedy
NT1 Georgia
NT2 Atlanta
NT1 Great Basin
NT1 Hawaii
NT1 Idaho
NT2 Raft River Valley
NT1 Illinois
NT2 Chicago
NT1 Indiana
NT1 Iowa
NT1 Kansas
NT1 Kentucky
NT1 Louisiana
NT1 Maine
NT1 Maryland
NT1 Massachusetts
NT1 Michigan
NT1 Minnesota
NT1 Mississippi
NT1 Missouri
NT1 Montana
NT2 Powder River Basin
NT1 Nebraska
NT1 Nevada
NT2 Steamboat Springs
NT1 New Hampshire
NT1 New Jersey
NT1 New Mexico
NT2 Jemez Mountains
NT2 Los Alamos
NT1 New York
NT2 New York City
NT1 North Carolina
NT1 North Dakota
NT1 Ohio
NT2 Cleveland
NT1 Oklahoma
NT1 Oregon
NT2 Mt Hood
NT1 Pennsylvania
NT2 Pittsburgh
NT1 Puerto Rico
NT1 Rhode Island
NT1 South Carolina
NT1 South Dakota
NT2 Table Mountain Area
NT1 Tennessee
NT2 Chattanooga
NT2 Oak Ridge
NT1 Texas
NT1 Trust Territory of the Pacific Islands
NT2 Mariana Islands
NT3 Guam
NT1 US East Coast
NT1 US Gulf Coast
NT1 US West Coast
NT1 Utah
NT2 Roosevelt Hot Springs
NT1 Vermont
NT1 Virgin Islands
NT1 Virginia
NT1 Washington
NT2 Richland
NT1 Washington DC
NT1 West Virginia
NT1 Wisconsin
NT1 Wyoming
NT2 Powder River Basin
NT2 Rock Springs Sites
NT2 Washakie Basin
RT Appalachian Mountains
RT OAS
RT OECD
RT Ozark Region
RT PAD Districts
RT Rocky Mountains
RT US AEC
RT US ERDA
RT US NRC

Useful Life
DA August 5, 1976
USE Service Life

USES [01]
(For the evaluation of the usefulness of a procedure, material, or device.)
DA December 1, 1974
UF *Applications*
NT1 Diagnostic Uses
NT1 Therapeutic Uses
RT Efficiency
RT Performance

USSR [01]
DA December 1, 1974
UF *Soviet Union*
UF *Union of Soviet Socialist Republics*
BT1 Asia
BT1 Developed Countries
BT1 Europe
NT1 Caucasus
NT1 Crimea
NT1 Dubna
NT1 Kurile Islands
NT1 Lovozero
RT Belarus
RT Black Sea
RT Caspian Sea
RT Centrally Planned Economies
RT Chukchi Sea
RT Danube River

RT Eastern Europe
RT Kazakhstan
RT Paratunka Geothermal Field
RT Pauzhetsk Geothermal Field
RT Russian Federation
RT Ukraine
RT Urals
RT Volga River

USSR ORGANIZATIONS [01]
DA December 16, 1975
BT1 National Organizations
NT1 Gosatomnadzor
NT1 IHEP
NT1 Leningrad Institute of Nuclear Physics

Ustav Jadernych Vyzkumu
DA June 30, 1975
USE UJV

USTILAGO [01]
DA December 1, 1974
BT1 Eumycota
BT2 Fungi
BT3 Plants
BT1 Parasites
RT Cereals

USUR
DA July 6, 1981
UF *United States Uranium Registry*
BT1 US DOE
BT2 US Organizations
BT3 National Organizations
RT Nuclear Industry
RT Radiation Protection

UTAH [01]
DA December 1, 1974
BT1 USA
BT2 Developed Countries
BT2 North America
NT1 Roosevelt Hot Springs
RT Asphalt Ridge Deposit
RT Circle Cliffs Deposit
RT Great Basin
RT Great Salt Lake
RT Green River Formation
RT Natural Bridges National Monument
RT Paradox Basin
RT PR Springs Deposit
RT Sunnyside Deposit
RT Tar Sand Triangle Deposit
RT Uinta Basin
RT Uinta Formation
RT US Naval Oil Shale Reserves
RT Western US Overthrust Belt
RT White River
RT White River Shale Project

Uterine Cervix Carcinoma
DA December 1, 1974
USE Carcinomas
AND Urogenital System Diseases

UTERUS [01]
DA December 1, 1974
UF *Endometrium*
UF *Myometrium*
BT1 Female Genitals
BT2 Organs
BT3 Body
RT Embryos
RT Fetuses
RT Oxytocin
RT Pregnancy

Utilities
DA May 3, 1979
SEE Electric Utilities
OR Gas Utilities
OR Public Utilities

UTP [01]
DA September 11, 1975
UF *Uridine Triphosphate*
BT1 Nucleotides
BT2 Organic Compounds

UTR-10 Iowa State University Reactor
DA December 1, 1974
USE Iowa UTR-10 Reactor

UTR-10-KINKI REACTOR [01]
(Atomic Energy Research Institute, Kinki Univ., Osaka Prefecture, Japan.)
DA December 1, 1974
UF *Kinki University UTR-10 Reactor*
BT1 Argonaut Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors

UTR-B Queen Mary College Reactor
DA December 1, 1974
USE Queen Mary College UTR-B Reactor

UTRR REACTOR [01]
(Atomic Energy Organization of Iran, Nuclear Research Centre, Teheran, Iran.)
DA December 1, 1974
UF *University of Teheran Research Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

UVALDE DEPOSIT [01]
DA July 7, 1983
BT1 Oil Sand Deposits
BT2 Geologic Deposits
RT Oil Sands
RT Texas

UVAR REACTOR [01]
(University of Virginia, Charlottesville, Virginia.)
DA December 1, 1974
UF *University of Virginia Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors

UVEA [01]
DA December 1, 1974
UF *Choroid*
BT1 Eyes
BT2 Face
BT3 Head
BT4 Body Areas
BT5 Body
BT2 Sense Organs
BT3 Organs
BT4 Body

UVVVR [01]
(Ustavu pro Vyzkum, Vyrobu a Vyuziti Radioisotopu - Institute for the Research, Production and Application of Radioisotopes, Prague.)
DA July 24, 1979
BT1 Czechoslovak Organizations
BT2 National Organizations

UWMAK DEVICES [01]
DA April 11, 1979
UF *NUMAK Reactors*
UF *University of Wisconsin Tokamak*
UF *UWMAK Reactors*
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

UWMAK Reactors
(Prior to July 1985, this was a valid descriptor and older material is so indexed.)
DA April 27, 1978
USE UWMAK Devices

UWNR REACTOR [01]
(University of Wisconsin, Mechanical Engineering Building, Madison, Wisconsin, USA.)
DA December 1, 1974
UF *University of Wisconsin Nuclear Reactor*
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 TRIGA Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Hydride Moderated Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Solid Homogeneous Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

UWTR REACTOR [01]
DA December 1, 1974
UF *University of Washington Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 LWGR Type Reactors
BT2 Graphite Moderated Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors

Uzbek WWR-C Reactor
DA December 1, 1974
USE WWR-S-Tashkent Reactor

→**UZBEKISTAN [01]**
(Prior to April 1993, this was indexed by USSR.)
DA April 8, 1993
BT1 Asia

V-1 Reactor (Bohunice)
DA December 1, 1974
USE Bohunice V-1 Reactor

V-2 Reactor (Bohunice)
DA September 6, 1979
USE Bohunice V-2 Reactor

V-2 Reactor (Dukovany)
DA December 1, 1974
USE Dukovany V-2 Reactor

V-A THEORY [01]
DA December 1, 1974
UF *Vector-Axial Vector Theory*
RT Axial-Vector Currents
RT Current Algebra
RT Fermi Interactions
RT Vector Currents

V CENTERS [01]
DA December 1, 1974
BT1 Color Centers
BT2 Vacancies
BT3 Point Defects
BT4 Crystal Defects
BT5 Crystal Structure

V CODES [01]
DA December 1, 1974
BT1 Computer Codes

1/V Law
DA October 28, 1975
USE Reciprocal V Law

V TROUGH COLLECTORS
DA October 25, 1978
BT1 Concentrating Collectors
BT2 Solar Collectors
BT3 Solar Equipment
BT4 Equipment

VA Characteristic
DA June 30, 1975
USE Electric Conductivity

VAALPUTS RADIOACTIVE WASTE DISPOSAL FACILITY [01]
DA August 20, 1991
BT1 Radioactive Waste Facilities
BT2 Nuclear Facilities

VACANCIES [01]
DA December 1, 1974
BT1 Point Defects
BT2 Crystal Defects
BT3 Crystal Structure
NT1 Color Centers
NT2 A Centers
NT2 B Centers
NT2 E Centers
NT2 F Centers
NT2 H Centers
NT2 I Centers
NT2 M Centers
NT2 Q Centers
NT2 R Centers
NT2 S Centers
NT2 U Centers
NT2 V Centers
NT2 X Centers
NT2 Z Centers
NT1 Frenkel Defects
NT1 Schottky Defects
RT Traps

VACCINES [01]
DA December 1, 1974
RT Antigens
RT Bacteria
RT Fungi
RT Immunity
RT Inoculation
RT Viruses

VACCINIA VIRUS [01]
DA December 1, 1974
BT1 Viruses
BT2 Microorganisms
BT2 Parasites

Vacuum (0.12x10(-5) Pa and Below)
DA August 12, 1980
USE Ultrahigh Vacuum

Vacuum (0.13-0.13x10(-5) Pa)
DA August 12, 1980
USE High Vacuum

Vacuum (1-10(-3) Torr)
DA December 1, 1974
USE Medium Vacuum

Vacuum (1-760 Torr)
DA December 1, 1974
USE Low Pressure

Vacuum (10(-3)-10(-8) Torr)
DA December 1, 1974
USE High Vacuum

Vacuum (10(-8) Torr And Below)
DA December 1, 1974
USE Ultrahigh Vacuum

Vacuum (133-0.13 Pa)
DA August 12, 1980
USE Medium Vacuum

Vacuum (133 Pa-0.1 MPa)
DA August 12, 1980
USE Low Pressure

Vacuum (Rough)
DA December 1, 1974
USE Low Pressure

VACUUM CARBONATE PROCESS
DA January 30, 1979
BT1 Desulfurization
BT2 Chemical Reactions
RT Waste Processing

VACUUM CASTING [01]
DA December 1, 1974
UF *Continuous Vacuum Casting*
BT1 Casting
BT2 Fabrication

VACUUM COATING [01]
DA May 13, 1976
BT1 Surface Coating
BT2 Deposition
RT Physical Vapor Deposition
RT Sputtering
RT Vacuum Evaporation
RT Vapor Deposited Coatings

VACUUM DISTILLATION
DA November 10, 1981
BT1 Distillation
BT2 Separation Processes

VACUUM EVAPORATION [01]
DA July 18, 1981
BT1 Evaporation
BT2 Phase Transformations
RT Physical Vapor Deposition
RT Vacuum Coating
RT Vapor Plating

VACUUM FERMENTATION
DA October 23, 1978
BT1 Fermentation
BT2 Bioconversion
DEF Fermentation at about 50 to 100 mm Hg.

VACUUM FURNACES [01]
DA December 1, 1974
BT1 Furnaces
RT Arc Furnaces
RT Electron Beam Furnaces

VACUUM GAGES [01]
DA December 1, 1974
BT1 Pressure Gages
BT2 Measuring Instruments
NT1 Ionization Gages
NT2 Bayard-Alpert Gages
NT2 Philips Gages
NT2 Radioactive Ionization Gages
NT1 Knudsen Gages
NT1 Mc Leod Gages
NT1 Pirani Gages
RT Vacuum Systems

VACUUM MELTING [01]
DA December 1, 1974
BT1 Melting
BT2 Phase Transformations

VACUUM POLARIZATION [01]
DA December 1, 1974
RT Casimir Effect
RT Quantum Electrodynamics
RT Vacuum States

VACUUM PUMPS [01]
DA December 1, 1974
BT1 Laboratory Equipment
BT2 Equipment
BT1 Pumps
NT1 Cryopumps
NT1 Sputter-Ion Pumps
NT1 Turbomolecular Pumps
RT Getters
RT High Vacuum
RT Medium Vacuum
RT Ultrahigh Vacuum
RT Vacuum Systems

VACUUM STATES [01]
DA December 1, 1974
RT Annihilation Operators
RT Creation Operators
RT Field Operators
RT Gluon Condensation
RT Instantons
RT Vacuum Polarization

VACUUM SYSTEMS [01]
DA December 1, 1974
RT Accelerators
RT Vacuum Gages
RT Vacuum Pumps

Vacuum Ultraviolet Radiation
DA December 1, 1974
USE Far Ultraviolet Radiation

VACUUM WELDING [01]
DA December 1, 1974
BT1 Welding
BT2 Joining
BT3 Fabrication
RT Electron Beam Welding

Vagina
DA December 1, 1974
USE Female Genitals

Vagotomy
DA December 1, 1974
USE Surgery
AND Vagus

VAGUS [01]
DA December 1, 1974
UF+ *Vagotomy*
BT1 Autonomic Nervous System
BT2 Nervous System
BT1 Nerves
BT2 Nervous System

VAHNUM-1 REACTOR [01]
(Vahnum, North Rhein Westfalia, Federal Republic of Germany)
DA April 13, 1977
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

VAHNUM-2 REACTOR [01]
(Vahnum, North Rhein Westfalia, Federal Republic of Germany)
DA April 13, 1977

BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

VAK REACTOR [01]
DA December 1, 1974
UF *Kahl-VAK Reactor*
UF *Versuchsatomkraftwerk Kahl Reactor*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

VALENCE [01]
DA December 1, 1974
UF *Oxidation State*
UF *Valency States*
UF+ *Electron Acceptor*
UF+ *Electron Donor*
UF+ *Valence Electrons*
NT1 Coordination Valences
RT Hot Atom Chemistry
RT Ionic Potential
RT Radiation Chemistry
RT Redox Potential

Valence Electrons
DA December 1, 1974
USE Electrons
AND Valence

VALENCY MODEL
DA January 22, 1975
BT1 Nuclear Models
BT2 Mathematical Models
RT Capture
RT Nuclear Reactions
DEF A model for certain neutron capture reactions.

Valency States
DA December 1, 1974
USE Valence

VALERIC ACID [01]
DA December 1, 1974
UF *Pentanoic Acid*
BT1 Monocarboxylic Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds

VALIDATION
DA July 9, 1980
BT1 Testing
NT1 Information Validation
RT Evaluation
RT Mathematical Models
RT Verification
DEF Act of testing for compliance with a standard.

VALINE [01]
DA December 1, 1974
UF *Aminoisovaleric Acid-alpha*
BT1 Amino Acids
BT2 Carboxylic Acids
BT3 Organic Acids
BT4 Organic Compounds

VALINOMYCIN [01]
DA November 28, 1977
BT1 Antibiotics
BT2 Anti-Infective Agents
BT3 Drugs
RT Lipids

Vallecitos Reactor
DA December 1, 1974
USE EVSR Reactor

Vallecitos VBWR Reactor
DA December 1, 1974
USE VBWR Reactor

VALLEYS [01]
DA June 7, 1976
RT Complex Terrain
RT Mountains
RT Watersheds

Values
(Prior to December 1991 this was a valid descriptor.)
DA September 26, 1979
SEE Cost
OR Data
OR Economics
OR Socio-Economic Factors

VALVES [01]
DA December 1, 1974
BT1 Flow Regulators
BT2 Control Equipment
BT3 Equipment
NT1 Relief Valves
NT1 Water Faucets
RT Closures
RT Pipe Fittings
RT Reactor Cooling Systems

Van Allen Belts
DA December 1, 1974
USE Radiation Belts

VAN DE GRAAFF ACCELERATORS [01]
DA December 1, 1974
BT1 Electrostatic Accelerators
BT2 Accelerators
NT1 CRNL Mp Tandem Accelerator
NT1 Learn Tandem Accelerator
NT1 Orsay Tandem Accelerator
NT1 Vivitron Tandem Accelerator
RT Tandem Electrostatic Accelerators
RT Vicksi Accelerator

VAN DER WAALS FORCES [01]
DA December 1, 1974
RT Adsorption
RT Intermolecular Forces
RT Molecules
RT Virial Equation

VAN HOVE-HUGENHOLTZ THEORY [01]
DA December 1, 1974
UF+ *Hugenholtz-Pines Theory*
RT Many-Body Problem

VAN HOVE MODEL [01]
DA December 1, 1974
BT1 Particle Models
BT2 Mathematical Models
RT Regge Poles

Van Hove-Prigogine Theory
DA December 1, 1974
USE Prigogine Theorem

VAN HOVE THEORY [01]
DA December 1, 1974
RT Slowing-Down
RT Transport Theory

VAN VLECK THEORY [01]
DA December 1, 1974
RT Paramagnetism

VANADATES [01]
(Specific compounds, except those of significance to energy research and development, should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
DA December 1, 1974
BT1 Oxygen Compounds
BT1 Vanadium Compounds
BT2 Transition Element Compounds
NT1 Potassium Vanadates
NT1 Uranium Vanadates
NT2 Carnotite
NT2 Strelkinite
RT Vanadium Oxides

VANADIUM [01]
DA December 1, 1974
BT1 Transition Elements
BT2 Metals
BT3 Elements

VANADIUM 42 [01]
DA July 5, 1976
BT1 Beta Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Vanadium Isotopes
BT2 Isotopes

→**VANADIUM 43 [01]**
DA January 22, 1993
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Vanadium Isotopes
BT2 Isotopes

VANADIUM 44 [01]
DA February 19, 1975
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Vanadium Isotopes
BT2 Isotopes

VANADIUM 45 [01]
DA April 14, 1980
BT1 Beta Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Vanadium Isotopes
BT2 Isotopes

VANADIUM 46 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Vanadium Isotopes
BT2 Isotopes

VANADIUM 47 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes

BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Vanadium Isotopes
BT2 Isotopes

VANADIUM 48 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Vanadium Isotopes
BT2 Isotopes

VANADIUM 48 TARGET [01]
DA June 6, 1979
BT1 Targets

VANADIUM 49 [01]
DA December 1, 1974
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Vanadium Isotopes
BT2 Isotopes

VANADIUM 49 TARGET [01]
DA July 9, 1976
BT1 Targets

VANADIUM 50 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Vanadium Isotopes
BT2 Isotopes
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes

VANADIUM 50 TARGET [01]
DA July 9, 1976
BT1 Targets

VANADIUM 51 [01]
DA December 1, 1974
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
BT1 Vanadium Isotopes
BT2 Isotopes

VANADIUM 51 REACTIONS [01]
DA December 11, 1985
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

VANADIUM 51 TARGET [01]
DA July 9, 1976
BT1 Targets

VANADIUM 52 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Vanadium Isotopes
BT2 Isotopes

VANADIUM 53 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Vanadium Isotopes
BT2 Isotopes

VANADIUM 54 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Vanadium Isotopes
BT2 Isotopes

VANADIUM 55 [01]
DA February 14, 1978
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Vanadium Isotopes
BT2 Isotopes

VANADIUM 56 [01]
DA November 25, 1980
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Vanadium Isotopes
BT2 Isotopes

VANADIUM 57 [01]
DA January 30, 1981
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Vanadium Isotopes
BT2 Isotopes

VANADIUM 58 [01]
DA January 30, 1981
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Vanadium Isotopes
BT2 Isotopes

VANADIUM 59 [01]
DA September 5, 1986
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Vanadium Isotopes
BT2 Isotopes

VANADIUM 60 [01]
DA September 5, 1986
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Vanadium Isotopes
BT2 Isotopes

VANADIUM ADDITIONS [01]
DA December 1, 1974
BT1 Vanadium Alloys
BT2 Alloys
NT1 Alloy-N55M20V25
NT1 Alloy-N65M20V15
NT1 Alloy-Ni54Mo17Cr16Fe6W4
NT2 Hastelloy C
NT1 Alloy-Ni60Co15Cr10Al6Ti5Mo3
NT2 Alloy-IN-100
NT1 Alloy-Ni62Cr16Mo15Fe3
NT2 Hastelloy S
NT1 Alloy-Ni65Mo28Fe5
NT2 Hastelloy B
NT1 Alloy-Ni68Cr15W6Al3Mo3Fe2
NT1 Alloy-Ti90Al6
NT1 Crocar
NT1 Steel-Cr2MoV
NT1 Steel-Cr2NiMoV
NT1 Steel-Cr9MoNbV
NT2 Steel-Z10CdNBV9
NT1 Steel-Cr12MoNiV
NT1 Steel-Cr12MoV
NT2 Alloy-HT-9
NT1 Steel-Cr16Ni13MoNbV
NT1 Steel-CrMoV
NT1 Steel-MnNiMoV
NT1 Steel-Ni3CrMo
NT2 Steel-ASTM-A543
NT1 Steel-Ni3CrMoV
NT1 Steel-Ni3MoV
NT1 Steel-Ni26Cr15Ti2MoVAlB
NT2 Alloy-A-286

VANADIUM ALLOYS [01]
DA December 1, 1974
BT1 Alloys
NT1 Alloy-Co52Fe35V10
NT2 Vikalloy 1
NT1 Alloy-Co52Fe35V13
NT2 Vikalloy 2
NT1 Alloy-EhP-496
NT1 Alloy-Ti90Al6V4
NT1 Alloy-Ti91Al4Mo3

NT1 Steel-40K14G18F
NT1 Transage 120
NT1 Transage 129
NT1 Transage 134
NT1 Transage 175
* NT1 Vanadium Additions
NT1 Vanadium Base Alloys
NT2 Alloy-V87Cr9Fe3
NT3 Vanstar 7
NT2 Vanstar 7

VANADIUM ARSENIDES [01]
DA June 12, 1975
BT1 Arsenides
BT2 Arsenic Compounds
BT2 Pnictides
BT1 Vanadium Compounds
BT2 Transition Element Compounds

VANADIUM BASE ALLOYS [01]
DA December 1, 1974
BT1 Vanadium Alloys
BT2 Alloys
NT1 Alloy-V87Cr9Fe3
NT2 Vanstar 7
NT1 Vanstar 7

VANADIUM BORIDES [01]
DA December 1, 1974
BT1 Borides
BT2 Boron Compounds
BT1 Vanadium Compounds
BT2 Transition Element Compounds

VANADIUM BROMIDES [01]
DA December 1, 1974
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Vanadium Compounds
BT2 Transition Element Compounds

VANADIUM CARBIDES [01]
DA December 1, 1974
BT1 Carbides
BT2 Carbon Compounds
BT1 Vanadium Compounds
BT2 Transition Element Compounds

VANADIUM CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Vanadium Compounds
BT2 Transition Element Compounds

VANADIUM COMPLEXES [01]
DA December 1, 1974
BT1 Transition Element Complexes
BT2 Complexes

VANADIUM COMPOUNDS [01]
DA December 1, 1974
BT1 Transition Element Compounds
NT1 Vanadates
NT2 Potassium Vanadates
NT2 Uranium Vanadates
NT3 Carnotite
NT3 Strelkinite
NT1 Vanadium Arsenides
NT1 Vanadium Borides
NT1 Vanadium Bromides
NT1 Vanadium Carbides
NT1 Vanadium Chlorides
NT1 Vanadium Fluorides
NT1 Vanadium Hydrides
NT1 Vanadium Hydroxides
NT1 Vanadium Iodides
NT1 Vanadium Nitrates
NT1 Vanadium Nitrides
* NT1 Vanadium Oxides
NT1 Vanadium Phosphates
NT1 Vanadium Phosphides
NT1 Vanadium Selenides
NT1 Vanadium Silicates
NT1 Vanadium Silicides
NT1 Vanadium Sulfates
NT1 Vanadium Sulfides
NT1 Vanadium Tellurides
NT1 Vanadium Tungstates

VANADIUM FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Vanadium Compounds
BT2 Transition Element Compounds

VANADIUM HYDRIDES [01]
DA December 1, 1974
BT1 Hydrides
BT2 Hydrogen Compounds
BT1 Vanadium Compounds
BT2 Transition Element Compounds

VANADIUM HYDROXIDES [01]
DA December 1, 1974
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds
BT1 Vanadium Compounds
BT2 Transition Element Compounds

VANADIUM IODIDES [01]
DA December 1, 1974
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds
BT1 Vanadium Compounds
BT2 Transition Element Compounds

VANADIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

VANADIUM ISOTOPES [01]
DA December 1, 1974
BT1 Isotopes
NT1 Vanadium 42
NT1 Vanadium 43
NT1 Vanadium 44
NT1 Vanadium 45
NT1 Vanadium 46
NT1 Vanadium 47
NT1 Vanadium 48
NT1 Vanadium 49
NT1 Vanadium 50
NT1 Vanadium 51
NT1 Vanadium 52
NT1 Vanadium 53
NT1 Vanadium 54
NT1 Vanadium 55
NT1 Vanadium 56
NT1 Vanadium 57
NT1 Vanadium 58
NT1 Vanadium 59
NT1 Vanadium 60

Vanadium Minerals
(Prior to May 1982, this was a valid descriptor. Use one of the more specific descriptors under minerals.)
DA October 28, 1975
USE Minerals

VANADIUM NITRATES [01]
DA December 16, 1976
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds
BT1 Vanadium Compounds
BT2 Transition Element Compounds

VANADIUM NITRIDES [01]
DA December 1, 1974
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides
BT1 Vanadium Compounds
BT2 Transition Element Compounds

VANADIUM ORES [01]
DA June 12, 1975
BT1 Ores

VANADIUM OXIDES [01]
DA December 1, 1974
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds
BT1 Vanadium Compounds
BT2 Transition Element Compounds
NT1 Corvusite
NT1 Ferghanite
NT1 Melanovanadite
NT1 Pascoite
NT1 Rauvite
NT1 Sengierite
RT Francevillite
RT Oxide Minerals
RT Tyuyamunite
RT Vanadates

VANADIUM PHOSPHATES [01]
DA December 1, 1974
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds
BT1 Vanadium Compounds
BT2 Transition Element Compounds

VANADIUM PHOSPHIDES [01]
DA April 11, 1979
BT1 Phosphides
BT2 Phosphorus Compounds
BT2 Pnictides
BT1 Vanadium Compounds
BT2 Transition Element Compounds

VANADIUM SELENIDES [01]
DA November 9, 1977
BT1 Selenides
BT2 Chalcogenides
BT2 Selenium Compounds
BT1 Vanadium Compounds
BT2 Transition Element Compounds

VANADIUM SILICATES [01]
DA December 1, 1974
BT1 Silicates
BT2 Oxygen Compounds
BT2 Silicon Compounds
BT1 Vanadium Compounds
BT2 Transition Element Compounds

VANADIUM SILICIDES [01]
DA January 31, 1975
BT1 Silicides
BT2 Silicon Compounds
BT1 Vanadium Compounds
BT2 Transition Element Compounds

VANADIUM SULFATES [01]
DA December 1, 1974
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds
BT1 Vanadium Compounds
BT2 Transition Element Compounds

VANADIUM SULFIDES [01]
DA December 1, 1974
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds
BT1 Vanadium Compounds
BT2 Transition Element Compounds

→**VANADIUM TELLURIDES [01]**
DA July 30, 1991
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds
BT1 Vanadium Compounds
BT2 Transition Element Compounds

VANADIUM TUNGSTATES [01]
DA January 22, 1975
BT1 Tungstates
BT1 Vanadium Compounds
BT2 Transition Element Compounds

VANDELLOS-2 REACTOR
(Vandellos, Tarragona, Spain)
DA April 29, 1986
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors

BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

VANDELLOS REACTOR [01]
DA December 1, 1974
BT1 Carbon Dioxide Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 GCR Type Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT2 Graphite Moderated Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

VANES [01]
DA December 1, 1974
RT Fins
RT Reactor Components

VANPOOLING
DA June 21, 1977
SF *Ridesharing*
BT1 Carpooling
RT Energy Conservation
RT Land Transport
RT Roads
RT Transportation Systems
RT Travel
RT Vans

VANS
DA December 17, 1979
BT1 Vehicles
RT Automobiles
RT Occupants
RT Taxicabs
RT Vanpooling

VANSTAR 7
DA December 1, 1974
BT1 Alloy-V87Cr9Fe3
BT2 Chromium Alloys
BT3 Alloys
BT2 Iron Alloys
BT3 Alloys
BT2 Vanadium Base Alloys
BT3 Vanadium Alloys
BT4 Alloys
BT2 Zirconium Alloys
BT3 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Iron Alloys
BT2 Alloys
BT1 Vanadium Base Alloys
BT2 Vanadium Alloys
BT3 Alloys
BT1 Zirconium Alloys
BT2 Alloys

VAPOR COMPRESSION REFRIGERATION CYCLE
DA May 3, 1978
RT Air Conditioners
RT Cooling Systems
RT Gas Compressors
RT Refrigerating Machinery
RT Refrigeration
RT Refrigerators

VAPOR CONDENSATION [01]
DA December 1, 1974
UF *Condensation (Vapor)*
NT1 Dropwise Condensation
NT1 Film Condensation
RT Condensates
RT Condensation Chambers
RT Condensation Nuclei
RT Cooling
RT Dew Point
RT Fog
RT Heat Transfer
RT Subcooling
RT Vapor Condensers

VAPOR CONDENSERS [01]
DA December 1, 1974
UF *Condensers (Vapor)*
BT1 Condensers
NT1 Cold Traps
NT1 Steam Condensers
NT2 Ice Condensers
NT2 Isolation Condensers
RT Cooling Towers
RT Counterflow Systems
RT Crossflow Systems
RT Evaporators
RT Heat Sinks
RT Vapor Condensation
RT Vapor Separators

VAPOR DEPOSITED COATINGS [01]
DA December 1, 1974
BT1 Coatings
RT Chemical Vapor Deposition
RT Physical Vapor Deposition
RT Sputtering
RT Vacuum Coating
RT Vapor Plating

VAPOR-DOMINATED SYSTEMS [01]
(Prior to May, 1976 DRY-STEAM SYSTEMS was used for this concept.)
DA March 25, 1976
UF *Dry-Steam Systems*
BT1 Hydrothermal Systems
BT2 Energy Systems
BT2 Geothermal Systems
RT Geysers Geothermal Field
RT Larderello Geothermal Field
RT Matsukawa Geothermal Field
RT Travale Geothermal Field

VAPOR GENERATORS [01]
DA December 1, 1974
UF *Generators (Vapor)*
BT1 Boilers
NT1 Steam Generators
RT Rankine Cycle Engines
RT Reactor Cooling Systems
RT Vapors

Vapor Incinerators
DA November 11, 1975
USE Afterburners

VAPOR JET EJECTORS [01]
DA December 1, 1974
NT1 Steam Jet Ejectors
RT MHD Generators

VAPOR PHASE EPITAXY [01]
DA October 20, 1982
BT1 Epitaxy
RT Chemical Vapor Deposition
RT Crystal Growth
DEF Epitaxial growth resulting from the pyrolysis of or chemical reaction between vapor phase components at the substrate surface.

VAPOR PLATING [01]
DA December 1, 1974
BT1 Plating
BT2 Surface Coating
BT3 Deposition
RT Cathode Sputtering
RT Chemical Vapor Deposition
RT Physical Vapor Deposition
RT Vacuum Evaporation
RT Vapor Deposited Coatings

VAPOR PRESSURE [01]
DA December 1, 1974
UF *Pressure (Vapor)*
BT1 Thermodynamic Properties
BT2 Physical Properties
RT Knudsen Flow

VAPOR SEPARATORS [01]
DA December 1, 1974
UF *Moisture Separators*
UF *Separators (Vapor)*
BT1 Separation Equipment
NT1 Steam Separators
RT MHD Generators
RT Vapor Condensers

Vaporization
DA December 1, 1974
USE Evaporation

VAPORIZATION HEAT [01]
DA December 1, 1974
UF *Heat of Vaporization*
UF *Latent Heat of Vaporization*
BT1 Transition Heat
BT2 Enthalpy
BT3 Thermodynamic Properties
BT4 Physical Properties
RT Evaporation
RT Latent Heat Storage

VAPORS [01]
DA December 1, 1974
BT1 Gases
BT2 Fluids
NT1 Water Vapor
RT Distillates
RT Evaporation
RT Liquids
RT Vapor Generators
RT Void Fraction

VAR Compensators
DA March 23, 1983
USE VAR Control Systems

VAR CONTROL SYSTEMS
DA March 23, 1983
UF *VAR Compensators*
UF *Volt-Ampere Reactive Control Systems*
BT1 Control Systems
RT Electric Power
RT Electrical Transients
RT Overvoltage
RT Power Factor
RT Power Systems
RT Power Transmission
RT Reliability
RT Stabilization
RT Surges

Varactors
DA December 1, 1974
USE Variable Capacitance Diodes

VARENNES TOKAMAK [01]
DA September 15, 1983
UF *Tokamak de Varennes*
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

Variability (Biological)
DA December 1, 1974
USE Biological Variability

Variability (Genetic)
DA December 1, 1974
USE Genetic Variability

VARIABLE CAPACITANCE DIODES [01]
DA December 1, 1974
UF *Varactors*
BT1 Semiconductor Diodes
BT2 Semiconductor Devices

VARIABLE ENERGY CYCLOTRONS [01]
DA December 1, 1974
BT1 Cyclotrons
BT2 Cyclic Accelerators
BT3 Accelerators
NT1 Calcutta Cyclotron
NT1 Chandigarh Cyclotron
NT1 CYRIC Cyclotron

Variable Moment of Inertia Model
DA December 1, 1974
USE VMI Model

VARIABLE STARS [01]
DA December 1, 1974
BT1 Stars
NT1 Eruptive Variable Stars
NT2 Novae
NT2 Supernovae
NT2 T Tauri Stars
NT1 Pulsating Variable Stars
NT2 Cepheids
RT Magnetic Stars
RT Starspots

VARIAN COMPUTERS [01]
DA November 28, 1975
BT1 Computers

VARIATIONAL METHODS [01]
DA December 1, 1974
BT1 Calculation Methods
NT1 HSK Procedure
NT1 Resonating-Group Method
NT1 Schwinger Variational Method
RT Mathematics
RT Neutron Transport Theory
RT Optimization
RT Ritz Method

VARIATIONS [01]
DA December 1, 1974
UF *Periodicity*
NT1 Annual Variations
NT1 Daily Variations
NT1 Fluctuations
NT2 Landau Fluctuations
NT1 Geographical Variations
NT2 Latitude Effect
NT1 Hourly Variations
NT1 Monthly Variations
NT1 Nocturnal Variations
NT1 Seasonal Variations
RT Degrees of Freedom
RT Disturbances
RT Modulation
RT Oscillations
RT Pulsations
RT Reactor Noise
RT Temperature Noise
RT Transients

Varistors
DA June 30, 1975
USE Semiconductor Resistors

VARLEY MECHANISM [01]
DA December 1, 1974
RT Crystal Defects
RT Crystals
RT Interstitials
RT Radiation Effects

VARNISHES [01]
DA December 1, 1974
BT1 Coatings
RT Dielectric Materials

VASCULAR DISEASES [01]
DA December 1, 1974
BT1 Diseases
NT1 Arteriosclerosis
NT1 Gas Bubble Disease
NT1 Hypertension
NT1 Ischemia
NT1 Nephrosclerosis
NT1 Telangiectasis
NT1 Thrombosis
RT Blood Vessels
RT Cardiovascular Diseases
RT Emboli
RT Vasoconstrictors
RT Vasodilators

VASOCONSTRICTION [01]
DA December 1, 1974
RT Blood Circulation
RT Blood Vessels
RT Capillaries
RT Cardiovascular Agents
RT Vasoconstrictors
RT Vasodilation

VASOCONSTRICTORS [01]
DA April 20, 1981
BT1 Cardiovascular Agents
BT2 Drugs
NT1 Angiotensin
NT1 Ephedrine
RT Blood Vessels
RT Vascular Diseases
RT Vasoconstriction

VASODILATION [01]
DA October 20, 1977
RT Blood Circulation
RT Blood Vessels
RT Capillaries
RT Cardiovascular Agents
RT Vasoconstriction
RT Vasodilators

VASODILATORS [01]
DA April 20, 1981
BT1 Cardiovascular Agents
BT2 Drugs
NT1 Dipyridamole
NT1 Theobromine
NT1 Theophylline
RT Blood Vessels
RT Vascular Diseases
RT Vasodilation

VASOPRESSIN [01]
DA December 1, 1974
UF *Antidiuretic Hormone*
BT1 Pituitary Hormones
BT2 Peptide Hormones
BT3 Hormones
BT3 Proteins
BT4 Organic Compounds
RT Tubules

Vavilov-Cherenkov Radiation
DA December 1, 1974
USE Cherenkov Radiation

VAX Computers
DA March 29, 1980
USE DEC Computers

VBWR REACTOR [01]
DA December 1, 1974
UF *Vallecitos VBWR Reactor*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

VCOCLND [01]
(Vienna Convention On Civil Liability for Nuclear Damage.)
DA December 1, 1974
UF *Liability Conv Nuclear Damage, Vienna*
UF *Vienna Convention on Civil Liability*
BT1 International Agreements
BT2 Agreements
RT Civil Liability
RT Nuclear Damage

Vector-Axial Vector Theory
DA December 1, 1974
USE V-A Theory

VECTOR CURRENTS [01]
DA December 1, 1974
BT1 Algebraic Currents
BT2 Currents
RT Axial-Vector Currents
RT CVC Theory
RT PCVC Theory
RT V-A Theory

VECTOR DOMINANCE MODEL [01]
DA December 1, 1974
BT1 Particle Models
BT2 Mathematical Models
RT Vector Mesons

VECTOR FIELDS [01]
DA December 1, 1974
RT Quantum Chromodynamics
RT Quantum Field Theory

VECTOR MESONS [01]
DA December 1, 1974
SF *Upsilon Resonances*
BT1 Mesons
BT2 Bosons
BT2 Hadrons
BT3 Elementary Particles
NT1 D*-2010 Mesons
NT1 J Psi-3097 Mesons
NT1 K*-1410 Mesons
NT1 K*-1790 Mesons
NT1 K*-892 Mesons
NT1 Omega-783 Mesons
NT1 Phi-1020 Mesons
NT1 Phi-1680 Mesons
NT1 Psi-3685 Mesons
NT1 Psi-3770 Mesons
NT1 Psi-4030 Mesons
NT1 Psi-4160 Mesons
NT1 Psi-4415 Mesons
NT1 Rho-1250 Mesons
NT1 Rho-1600 Mesons
NT1 Rho-2150 Mesons
NT1 Rho-770 Mesons
NT1 Upsilon-9460 Mesons
NT1 Upsilon-10023 Mesons
NT1 Upsilon-10355 Mesons
NT1 Upsilon-10575 Mesons
NT1 Upsilon-10860 Mesons
NT1 Upsilon-11020 Mesons
RT Gluon Model
RT Gluons
RT Higgs Model
RT Meson Nonets
RT Vector Dominance Model
DEF Mesons with spin-parity of one-minus.

VECTOR PROCESSING [01]
DA November 9, 1983
BT1 Programming
RT Algorithms
RT Cedar Computers
RT Computers
RT Parallel Processing

VECTORS [01]
DA December 1, 1974
BT1 Tensors
NT1 Isovectors
RT Banach Space
RT Eigenvectors
RT Helmholtz Theorem
RT Laplacian
RT Mathematics
RT Poynting Theorem
RT Spinors
RT Tensor Forces

VEGA SPACE PROBES [01]
DA May 7, 1985
BT1 Space Vehicles
BT2 Vehicles

VEGARD LAW [01]
DA December 1, 1974
RT Alloy Systems
RT Crystal Lattices

VEGETABLE OILS [01]
(Prior to March 1983 this concept was indexed to PLANTS and OILS.)
DA March 7, 1983
BT1 Oils
BT2 Other Organic Compounds
BT3 Organic Compounds
NT1 Castor Oil
NT1 Corn Oil
NT1 Cottonseed Oil
NT1 Croton Oil
NT1 Olive Oil
NT1 Peanut Oil
NT1 Sesame Oil
NT1 Soybean Oil
NT1 Sunflower Oil

VEGETABLES [01]
(Edible parts of plants only; see also FRUITS.)
DA December 1, 1974
BT1 Food
BT1 Plants
NT1 Beans
NT2 Mungbeans
NT1 Beets
NT2 Sugar Beets
NT1 Brassica
NT2 Kale
NT1 Carrots
NT1 Cucumbers
NT1 Garlic
NT1 Kale
NT1 Lettuce
NT1 Onions
NT2 Allium Cepa
NT1 Peas
NT1 Peppers
NT1 Potatoes
NT1 Radishes
NT1 Soybeans
NT1 Spinach
NT1 Yams
RT Crops

Vegetation
DA December 1, 1974
USE Plants

VEGETATIVE PROPAGATION [01]
DA December 1, 1974
BT1 Cloning
NT1 Adventitious Bud Technique
RT Plants
RT Reproduction

VEHICLES [01]
DA February 26, 1975
NT1 Air Cushion Vehicles
NT1 Automobiles
NT1 Bicycles
NT1 Buses
NT1 Electric-Powered Vehicles
NT2 Hybrid Electric-Powered Vehicles
NT2 Roadway-Powered Electric Vehicles
NT1 Flywheel-Powered Vehicles
NT1 Mine Cars
NT1 Motorcycles
NT1 Recreational Vehicles
NT1 Space Vehicles
NT2 Luna Space Probes
NT2 Mariner Space Probes
NT2 Mars Space Probes
NT2 MIR Orbital Station
NT2 Pioneer Space Probes
NT2 Reentry Vehicles
NT2 Salyut Orbital Stations
NT2 Space Shuttles
NT2 Vega Space Probes
NT2 Venera Space Probes
NT2 Viking Space Probes
NT2 Voyager Space Probes
NT1 Taxicabs
NT1 Trackless Vehicles
NT1 Trains
NT2 Levitated Trains
NT2 Locomotives
NT2 Railroad Cars
NT1 Trucks
NT1 Vans
RT Earthmoving Equipment
RT Mechanical Transmissions
RT Mobile Homes
RT Motor Vehicle Operators
RT Occupants
RT Postal Services
RT Propulsion Systems
RT Road Tests
RT Road Transport
RT Tires
RT Traffic Control
RT Wheels

VEINS [01]
DA December 1, 1974
BT1 Blood Vessels
BT2 Cardiovascular System
BT2 Organs
BT3 Body
NT1 Portal System
RT Intravenous Injection
RT Lymph Vessels

VELA PROJECT [01]
DA December 1, 1974
UF *Project (Vela)*
NT1 Cowboy Event
NT1 Gnome Event
NT1 Lollipop Event
NT1 Long Shot Event
NT1 Salmon Event
NT1 Shoal Event
NT1 Sterling Event
RT Nuclear Explosions
RT Seismic Detection
RT Seismology
RT Underground Explosions

VELOCIMETERS [01]
DA August 19, 1975
UF *Speed Indicators*
BT1 Measuring Instruments
RT Accelerometers
RT Velocity

VELOCITY [01]
DA December 1, 1974
NT1 Angular Velocity
NT1 Critical Velocity
NT1 Mach Number
NT1 Phase Velocity
NT1 Radial Velocity
NT1 Slip Velocity
RT Acceleration
RT Flow Rate
RT Kinetic Energy
RT Linear Momentum
RT Motion
RT Velocimeters

VELOCITY-PUMPS REACTION TURBINES
DA July 24, 1979
BT1 Turbines
BT2 Turbomachinery
BT3 Machinery
BT4 Equipment

VENERA SPACE PROBES [01]
DA June 21, 1979
BT1 Space Vehicles
BT2 Vehicles
RT Space Flight

VENEZIANO MODEL [01]
DA December 1, 1974
BT1 Particle Models
BT2 Mathematical Models
NT1 Dual Resonance Model
RT Scattering Amplitudes

VENEZUELA [01]
DA December 1, 1974
BT1 Developing Countries
BT1 South America
BT2 Latin America
RT Andes
RT OPEC

VENOMS [01]
DA December 1, 1974
RT Toxicity
RT Toxins

VENTILATION [01]
DA December 1, 1974
UF+ *Ventilation Ducts*
RT Aerosols
RT Air
RT Air Cleaning Systems
RT Air Conditioning
RT Air Flow
RT Airtightness
RT Ceiling Fans
RT Exhaust Systems
RT Filters
RT Fume Hoods
RT Gaseous Wastes
RT Stacks
RT Ventilation Barriers
RT Ventilation Systems

VENTILATION BARRIERS
DA May 3, 1978
UF *Stoppings*
SF *Barriers*
RT Ventilation

Ventilation Ducts
DA June 24, 1977
USE Ducts
AND Ventilation

VENTILATION SYSTEMS [01]
DA January 23, 1978
RT Air Cleaning Systems
RT Air Conditioning
RT Air Flow
RT Space HVAC Systems
RT Ventilation

VENTS [01]
DA December 1, 1974
RT Openings

VENTURI TUBES [01]
DA December 1, 1974
RT Flowmeters

VENUS PLANET [01]
DA December 1, 1974
BT1 Planets

VENUS REACTOR [01]
DA December 1, 1974
UF *Vulcain Experiment Nuclear Study*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Experimental Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Heavy Water Cooled Reactors
BT2 Reactors
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors

VEP-1 [01]
DA December 1, 1974
BT1 Storage Rings

VEPP-2 [01]
DA December 1, 1974
BT1 Storage Rings

VEPP-3 [01]
DA December 1, 1974
BT1 Storage Rings

VEPP-4 [01]
DA December 1, 1974
BT1 Storage Rings

VERA REACTOR [01]
(UK Ministry of Defence, Berkshire, United Kingdom.)
DA December 1, 1974
UF *Versatile Experimental Reactor Assembly*
BT1 Fast Reactors
BT2 Epithermal Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors
RT Enriched Uranium Reactors
RT Plutonium Reactors

VERIFICATION [01]
DA August 25, 1983
RT Arms Control
RT Audits
RT Inspection
RT On-Site Inspection
RT Treaties
RT Validation

VERMICULITE [01]
DA December 1, 1974
BT1 Inorganic Ion Exchangers
BT2 Ion Exchange Materials
BT3 Materials
BT1 Mica
BT2 Silicate Minerals
BT3 Minerals
RT Aluminium Silicates
RT Iron Silicates
RT Magnesium Silicates

VERMONT [01]
DA December 1, 1974
BT1 USA
BT2 Developed Countries
BT2 North America
RT Connecticut River
RT Connecticut River Basin

VERMONT YANKEE REACTOR [01]
(Vernon, Vermont, USA)
DA December 1, 1974
UF *Yankee Vermont Reactor*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

VERNALIZATION [01]
DA December 1, 1974
RT Cereals
RT Crops
RT Seasons
RT Seeds
RT Sprouting
RT Temperature Dependence

VERNEUIL METHOD
DA January 23, 1975
BT1 Crystal Growth Methods
BT1 Flames
RT Crystal Growth
RT Monocrystals
DEF Method of single-crystal growth in which powder is dropped through an oxy-hydrogen flame, falling molten on crystal seed.

VERNIER CHRONOTRONS [01]
DA December 1, 1974
BT1 Chronotrons
BT2 Time Interval Analyzers
BT3 Measuring Instruments

VERPLANCK-1 REACTOR [01]
DA December 1, 1974
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

VERPLANCK-2 REACTOR [01]
DA December 1, 1974
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

Versatile Experimental Reactor Assembly
DA December 1, 1974
USE VERA Reactor

Versatile Intermediate Pulsed Experimental Reactor
DA December 1, 1974
USE VIPER Reactor

VERSATOR TOKAMAK [01]
DA August 8, 1985
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices
DEF A tokamak confinement experiment at MIT used primarily for studies on rf heating and current drive using lower hybrid waves.

Versene
DA December 1, 1974
USE EDTA

Versuchsatomkraftwerk Kahl Reactor
DA December 1, 1974
USE VAK Reactor

VERTEBRAE [01]
DA December 1, 1974
UF *Spine*
BT1 Skeleton
BT2 Organs
BT3 Body
RT Spinal Cord
RT Spondylitis

VERTEBRATES [01]
DA December 1, 1974
UF *Chordates*
BT1 Animals
NT1 Amphibians
NT2 Frogs
NT2 Salamanders
NT3 Axolotl
NT3 Triturus
NT2 Toads
NT1 Birds
NT2 Fowl
NT3 Chickens
NT3 Ducks
NT3 Geese
NT2 Pigeons
NT1 Fishes
NT2 Anadromous Fishes
NT3 Salmon
NT3 Striped Bass
NT2 Codfish
NT2 Eel
NT2 Fathead Minnow
NT2 Goldfish
NT2 Plaice
NT2 Trout
NT2 Tuna
NT1 Mammals
NT2 Bats
NT2 Bears
NT2 Burros
NT2 Cats
NT2 Cetaceans
NT2 Coyotes
NT2 Dogs
NT3 Beagles
NT2 Foxes
NT2 Horses
NT2 Manatees
NT2 Marsupials
NT2 Otters
NT2 Pinnipeds
NT2 Primates
NT3 Apes
NT3 Man
NT4 Men
NT4 Personnel
NT5 Astronauts
NT5 Aviation Personnel
NT5 Builders
NT5 Clerical Personnel
NT5 Contractor Personnel
NT5 Craftsmen
NT5 Dial Painters
NT5 Medical Personnel
NT6 Radiological Personnel
NT5 Military Personnel
NT5 Miners
NT6 Coal Miners
NT5 Motor Vehicle Operators
NT5 Professional Personnel
NT6 Architects
NT6 Consultants
NT6 Engineers
NT6 Scientific Personnel
NT5 Reactor Operators
NT5 Security Personnel
NT4 Women
NT3 Monkeys
NT4 Baboons
NT4 Macacus
NT2 Rabbits
NT2 Rodents
NT3 Chipmunks
NT3 Gerbils
NT3 Guinea Pigs
NT3 Hamsters
NT3 Mice
NT4 Transgenic Mice
NT3 Pikas
NT3 Prairie Dogs
NT3 Rats
NT3 Shrews
NT3 Squirrels
NT3 Voles
NT2 Ruminants
NT3 Antelopes
NT3 Buffalo
NT3 Camels
NT3 Cattle
NT4 Calves
NT4 Cows
NT3 Deer
NT3 Goats
NT3 Llamas
NT3 Sheep
NT2 Swine
NT3 Miniature Swine
NT2 Wolves
NT1 Reptiles
NT2 Alligators
NT2 Lizards
NT2 Snakes
NT2 Turtles

VERTEX FUNCTIONS [01]
DA December 1, 1974
BT1 Functions
RT Form Factors
RT Quantum Field Theory

VERTICAL AXIS TURBINES [01]
DA February 19, 1976
BT1 Wind Turbines
BT2 Turbines
BT3 Turbomachinery
BT4 Machinery
BT5 Equipment
NT1 Giromill Turbines
NT1 Tornado Turbines
RT Darrieus Rotors
RT Madaras Rotors
RT Savonius Rotors

VERTICAL DIVESTITURE
DA September 19, 1977
RT Competition
RT Petroleum Industry
RT Regulations
DEF Requirements on energy companies to break up into production, refining, and marketing components.

VERTICAL INTEGRATION
DA April 27, 1978
RT Competition
RT Industry
RT Petroleum Industry

Very High Frequency
DA December 1, 1974
USE MHz Range

Very High Frequency Radiation
DA December 1, 1974
USE MHz Range
AND Radiowave Radiation

VERY HIGH PRESSURE [01]
DA December 1, 1974
UF *Pressure (100 MPa and Above)*
UF *Pressure (1000 Atm and above)*
RT Pressure Dependence

Very High Temperature
(Prior to February 1992, this was a valid descriptor.)
DA December 1, 1974
USE Temperature Range 1000-4000 K

Very Low Pressure
DA December 1, 1974
USE Medium Vacuum

Very Low Temperature
(Prior to February 1992, this was a valid descriptor.)
DA December 1, 1974
USE Temperature Range 0013-0065 K

Vessels
DA December 1, 1974
USE Containers

Vessels (Chemical Reactions)
DA May 17, 1976
USE Chemical Reactors

Vessels (Pressure)
DA December 1, 1974
USE Pressure Vessels

Vessels (Reactor)
DA December 1, 1974
USE Reactor Vessels

VESTIBULAR APPARATUS [01]
DA December 1, 1974
UF+ *Labyrinth*
BT1 Sense Organs
BT2 Organs
BT3 Body
RT Auditory Organs

VESUVIANITE
DA April 17, 1981
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials

Vetch
DA December 1, 1974
USE Vicia

Veterans Administration Hospital TRIGA Reactor
DA December 1, 1974
USE TRIGA-Veterans Reactor

VETERINARY MEDICINE [01]
DA December 1, 1974
BT1 Medicine
RT Animals

VG-400 REACTOR [01]
DA May 11, 1989
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Helium Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 HTGR Type Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT2 Graphite Moderated Reactors
BT3 Reactors
BT1 Pebble Bed Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT2 Solid Homogeneous Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

VGL DEVICES [01]
DA December 1, 1974
BT1 Magnetic Mirrors
BT2 Open Plasma Devices
BT3 Thermonuclear Devices

VGR-50 REACTOR [01]
DA May 11, 1989
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Helium Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 HTGR Type Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT2 Graphite Moderated Reactors
BT3 Reactors
BT1 Pebble Bed Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT2 Solid Homogeneous Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

Vhf
DA December 1, 1974
USE MHz Range

Vhf Radiation
DA December 1, 1974
USE MHz Range
AND Radiowave Radiation

VHTR REACTOR [01]
DA March 3, 1978
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Experimental Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Helium Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 HTGR Type Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT2 Graphite Moderated Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

VIABILITY [01]
DA September 11, 1975
RT Biological Regeneration
RT Growth
RT Life Cycle
RT Reproduction

VIBRATING SAMPLE MAGNETOMETERS [01]
DA December 1, 1974
BT1 Magnetometers
BT2 Measuring Instruments

Vibration Modes
DA December 1, 1974
USE Oscillation Modes

Vibrational Band
DA December 1, 1974
USE Vibrational States

VIBRATIONAL STATES [01]
DA December 1, 1974
UF *Vibrational Band*
BT1 Excited States
BT2 Energy Levels
RT Infrared Spectra
RT Lattice Vibrations
RT Rotation-Vibration Model
RT Rydberg-Klein-Rees Method

Vibrations (Lattice)
DA December 1, 1974
USE Lattice Vibrations

Vibrations (Mechanical)
DA December 1, 1974
USE Mechanical Vibrations

→**VIBRON MODEL [01]**
DA September 10, 1992
BT1 Nuclear Models
BT2 Mathematical Models
RT Cluster Model

VICIA [01]
DA December 1, 1974
UF *Vetch*
BT1 Leguminosae
BT2 Magnoliopsida
BT3 Magnoliophyta
BT4 Plants

VICKERS HARDNESS [01]
DA December 1, 1974
RT Hardness

VICKSI
(Prior to July 1985, this was a valid descriptor and older material is so indexed.)
DA November 11, 1975
USE Vicksi Accelerator

VICKSI ACCELERATOR [01]
(Van de Graaff-Isochronous Cyclotron Combination Heavy Ion Facility at the Hahn-Meitner Institute, Berlin.)
DA March 25, 1976
UF *VICKSI*
BT1 Heavy Ion Accelerators
BT2 Accelerators
RT Isochronous Cyclotrons
RT Van de Graaff Accelerators

VICTIMS COMPENSATION [01]
DA March 8, 1978
RT Accidents
RT Financial Security
RT Insurance
RT Liabilities
RT Workmens Compensation

VICTORIA [01]
DA December 1, 1974
BT1 Australia
BT2 Australasia
BT2 Developed Countries

VIDAL-1 REACTOR [01]
DA October 1, 1975
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Helium Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 HTGR Type Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT2 Graphite Moderated Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

VIDAL-2 REACTOR [01]
DA October 1, 1975
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Helium Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 HTGR Type Reactors
BT2 Gas Cooled Reactors
BT3 Reactors

BT2 Graphite Moderated Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

VIDEO TAPES [01]
DA June 13, 1981
BT1 Magnetic Tapes
BT2 Magnetic Storage Devices
BT3 Memory Devices
RT Images
RT Remote Viewing Equipment
RT Television

VIDICONS [01]
DA December 1, 1974
BT1 Camera Tubes
BT2 Image Tubes
RT Television Cameras

Vienna Convention on Civil Liability
DA December 1, 1974
USE VCOCLND

VIET NAM [01]
DA March 8, 1978
BT1 Asia
BT1 Developing Countries
RT Centrally Planned Economies

Vietnam - North
DA December 1, 1974
USE North Vietnam

Vietnam - South
DA December 1, 1974
USE South Vietnam

→**VIETNAMESE ORGANIZATIONS [01]**
DA August 30, 1993
BT1 National Organizations

Vietnamese TRIGA-Mk-II Reactor
DA December 1, 1974
USE TRIGA-2-Dalat Reactor

→**VIGNA [01]**
DA January 20, 1993
UF *Mungbean Plants*
BT1 Leguminosae
BT2 Magnoliopsida
BT3 Magnoliophyta
BT4 Plants
RT Mungbeans

VIKALLOY 1
DA December 1, 1974
BT1 Alloy-Co52Fe35V10
BT2 Cobalt Base Alloys
BT3 Cobalt Alloys
BT4 Alloys
BT2 Iron Alloys
BT3 Alloys
BT2 Vanadium Alloys
BT3 Alloys

VIKALLOY 2
DA December 20, 1978
BT1 Alloy-Co52Fe35V13
BT2 Cobalt Base Alloys
BT3 Cobalt Alloys
BT4 Alloys
BT2 Iron Alloys
BT3 Alloys
BT2 Vanadium Alloys
BT3 Alloys

VIKING SPACE PROBES [01]
DA September 28, 1976
BT1 Space Vehicles
BT2 Vehicles

Villigen Cyclotron
DA December 1, 1974
USE SIN Cyclotron

VINBLASTINE [01]
DA December 1, 1974
BT1 Alkaloids
BT2 Organic Compounds
BT1 Antimitotic Drugs
BT2 Drugs
BT1 Indoles
BT2 Azaarenes
BT3 Aromatics
BT4 Organic Compounds
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
BT2 Pyrroles
BT3 Azoles
BT4 Heterocyclic Compounds
BT5 Organic Compounds
BT4 Organic Nitrogen Compounds
BT5 Organic Compounds
RT Leukemia

Vinca R-A Reactor Yugoslavia
DA December 1, 1974
USE R-A Reactor

Vinca R-B Reactor Yugoslavia
DA December 1, 1974
USE R-B Reactor

Vinoflex
DA December 1, 1974
USE Polyvinyls

VINT TORSATRON [01]
DA April 13, 1977
BT1 Torsatron Stellarators
BT2 Stellarators
BT3 Closed Plasma Devices
BT4 Thermonuclear Devices

VINTOTRON DEVICES
DA January 22, 1975
BT1 Thermonuclear Devices

VINYL CHLORIDE [01]
DA May 8, 1984
UF *Monochloroethylene*
BT1 Chlorinated Aliphatic Hydrocarbons
BT2 Halogenated Aliphatic Hydrocarbons
BT3 Organic Halogen Compounds
BT4 Organic Compounds
BT2 Organic Chlorine Compounds
BT3 Organic Halogen Compounds
BT4 Organic Compounds

Vinyl Cyanide
DA December 1, 1974
USE Acrylonitrile

VINYL MONOMERS [01]
DA December 1, 1974
BT1 Monomers
RT Acrolein
RT Acrylamide
RT Acrylates
RT Acrylic Acid
RT Acrylic Acid Esters
RT Acrylonitrile
RT Methacrylates
RT Methacrylic Acid
RT Methacrylic Acid Esters
RT Styrene

VINYL RADICALS [01]
DA December 1, 1974
BT1 Alkyl Radicals
BT2 Radicals

Vinylbenzene
DA December 1, 1974
USE Styrene

VINYLIDENE RADICALS [01]
DA December 1, 1974
BT1 Radicals

VIOLANTHRONE [01]
DA December 1, 1974
BT1 Condensed Aromatics
BT2 Aromatics
BT3 Organic Compounds
BT1 Hydrocarbons
BT2 Organic Compounds
BT1 Ketones
BT2 Organic Compounds
RT Dyes

VIOLATIONS [01]
(Failure to comply with laws or regulations; not for violations of INVARIANCE PRINCIPLES.)
DA November 23, 1979
NT1 Security Violations
RT Administrative Procedures
RT Compliance
RT Enforcement
RT Laws
RT Notice of Probable Violation
RT Regulations

VIPER REACTOR [01]
(UK Ministry of Defence, Berkshire, United Kingdom.)
DA December 1, 1974
UF *Versatile Intermediate Pulsed Experimental Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Fast Reactors
BT2 Epithermal Reactors
BT3 Reactors
BT1 Organic Moderated Reactors
BT2 Reactors
BT1 Pulsed Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors

VIRAL DISEASES [01]
DA January 12, 1981
BT1 Infectious Diseases
BT2 Diseases
NT1 AIDS
NT1 Encephalitis
NT1 Herpes Simplex
NT1 Herpes Zoster
NT1 Infectious Hepatitis
NT1 Influenza
NT1 Measles
NT1 Newcastle Disease
NT1 Poliomyelitis
NT1 Rabies
RT Cell Transformations
RT Host
RT Pathogens
RT Viruses

Virgil C Summer-1 Reactor
DA December 1, 1974
USE Summer-1 Reactor

VIRGIN ISLANDS [01]
DA July 24, 1979
BT1 Lesser Antilles
BT2 West Indies
BT3 Islands
BT1 USA
BT2 Developed Countries
BT2 North America

VIRGINIA [01]
DA December 1, 1974
BT1 USA
BT2 Developed Countries
BT2 North America
RT Chesapeake Bay
RT James River
RT Potomac River
RT Potomac River Basin
RT US East Coast

Virginia Polytechnic Institute Training Reactor
DA December 1, 1974
USE VPI-UTR-10 Reactor

VIRIAL EQUATION [01]
(In thermodynamics only.)
DA December 1, 1974
BT1 Equations
RT Equations of State
RT Gases

RT Thermodynamics
RT Van der Waals Forces

VIRIAL THEOREM [01]
(In mechanics only.)
DA December 1, 1974
RT Kinetic Energy
RT Mechanics
RT Particles
RT Statistics

VIRTUAL HEIGHT
DA January 23, 1975
BT1 Height
BT2 Dimensions
RT Ionosphere
RT Scale Height
DEF Apparent height of an ionized atmospheric layer determined from time interval between the transmitted signal and the ionospheric echo at vertical incident.

Virtual Mass Effect
DA August 24, 1976
USE Hydrodynamic Mass Effect

VIRTUAL PARTICLES [01]
DA December 1, 1974
BT1 Elementary Particles
RT Deep Inelastic Scattering

VIRTUAL STATES [01]
DA December 1, 1974
BT1 Energy Levels

VIRULENCE [01]
DA December 1, 1974
RT Infectious Diseases
RT Microorganisms

VIRUSES [01]
DA December 1, 1974
BT1 Microorganisms
BT1 Parasites
NT1 AIDS Virus
NT1 Bacteriophages
NT1 Influenza Viruses
NT1 Measles Virus
NT1 Oncogenic Viruses
NT2 Adenovirus
NT2 Leukemia Viruses
NT2 Polyoma Virus
NT1 Polio Virus
NT1 Simian Virus
NT1 Tobacco Mosaic Virus
NT1 Vaccinia Virus
RT AIDS
RT Herpes Simplex
RT Herpes Zoster
RT Inoculation
RT Interferon
RT Mutagens
RT Newcastle Disease
RT Particles
RT Plaque Formation
RT Rabies
RT Vaccines
RT Viral Diseases

VISCOSE [01]
DA December 1, 1974
BT1 Polysaccharides
BT2 Saccharides
BT3 Carbohydrates
BT4 Organic Compounds
BT1 Xanthates
BT2 Organic Sulfur Compounds
BT3 Organic Compounds

VISCOSIMETERS [01]
DA December 1, 1974
BT1 Measuring Instruments

VISCOSITY [01]
DA December 1, 1974
UF+ *Heavy Oils*
RT Fluid Flow
RT Internal Friction
RT Superfluidity
RT Thixotropy
RT Viscous Flow

VISCOUS FLOW [01]
DA December 1, 1974
BT1 Fluid Flow
NT1 Couette Flow
RT Laminar Flow
RT Navier-Stokes Equations
RT Prandtl Number
RT Reynolds Number
RT Stokes Law
RT Turbulent Flow
RT Viscosity

VISIBILITY [01]
DA February 14, 1978
RT Fog
RT Luminosity
RT Opacity
RT Optical Properties
RT Pattern Recognition
RT Smog
RT Smokes
RT Visible Radiation

VISIBLE RADIATION [01]
DA December 1, 1974
UF *Light*
UF+ *Photomagnetic Effect*
BT1 Electromagnetic Radiation
BT2 Radiations
RT Fresnel Coefficient
RT Kerr Effect
RT Laser Radiation
RT Light Scattering
RT Light Sources
RT Lighting Systems
RT Monochromatic Radiation
RT Opacity
RT Optics
RT Photon Beams
RT Photoperiod
RT Photoreactivation
RT Raman Effect
RT Reflectivity
RT Refractivity
RT Schlieren Method
RT Visibility
RT Voigt Effect

VISIBLE SPECTRA [01]
DA November 1, 1976
BT1 Spectra

VISION [01]
DA December 1, 1974
RT Eyes

Visitor Centers
DA January 9, 1981
USE Public Buildings

VITALLIUM [01]
DA December 1, 1974
BT1 Chromium Alloys
BT2 Alloys
BT1 Cobalt Alloys
BT2 Alloys
BT1 Molybdenum Alloys
BT2 Alloys

VITAMIN A [01]
DA December 1, 1974
UF *Axerophtol*
UF *Retinol*
BT1 Vitamins
RT Carotenoids
RT Retinoic Acid

Vitamin B-1
DA December 1, 1974
USE Thiamine

Vitamin B-2
DA December 1, 1974
USE Riboflavin

Vitamin B-5
DA December 1, 1974
USE Pantothenic Acid

Vitamin B-6
DA December 1, 1974
USE Pyridoxine

VITAMIN B-12 [01]
DA December 1, 1974
UF *Cyanocobalamin*
BT1 Hematinics
BT2 Hematologic Agents
BT3 Drugs
BT1 Vitamin B Group
BT2 Vitamins
RT Anemias
RT Intrinsic Factor

VITAMIN B GROUP [01]
DA December 1, 1974
BT1 Vitamins
NT1 Biotin
NT1 Carnitine
NT1 Folic Acid
NT1 Nicotinamide
NT1 Nicotinic Acid
NT1 Pantothenic Acid
NT1 Pyridoxine
NT1 Riboflavin
NT1 Thiamine
NT1 Vitamin B-12
RT Adenines
RT Citrovorum Factor
RT Coenzymes
RT PABA
RT Pyridoxal

Vitamin B-T
DA December 1, 1974
USE Carnitine

Vitamin C
DA December 1, 1974
USE Ascorbic Acid

VITAMIN D [01]
DA December 1, 1974
BT1 Vitamins
NT1 Cholecalciferol
NT1 Ergocalciferol
RT Rickets

Vitamin D-2
DA December 1, 1974
USE Ergocalciferol

Vitamin D-3
DA December 1, 1974
USE Cholecalciferol

VITAMIN E [01]
DA December 1, 1974
UF *Tocopherols*
BT1 Vitamins

Vitamin H
DA December 1, 1974
USE Biotin

Vitamin H-1
DA December 1, 1974
USE PABA

VITAMIN K [01]
DA December 1, 1974
BT1 Heparin Antagonists
BT2 Coagulants
BT3 Hematologic Agents
BT4 Drugs
BT1 Quinones
BT2 Aromatics
BT3 Organic Compounds
BT2 Organic Oxygen Compounds
BT3 Organic Compounds
BT1 Vitamins
RT Blood Coagulation Factors
RT Ubiquinone

Vitamin P
DA December 1, 1974
USE Bioflavonoids

Vitamin PP
DA December 1, 1974
USE Nicotinamide

VITAMINS [01]
DA December 1, 1974
NT1 Ascorbic Acid
NT1 Bioflavonoids
NT1 Vitamin A
NT1 Vitamin B Group
NT2 Biotin
NT2 Carnitine
NT2 Folic Acid
NT2 Nicotinamide
NT2 Nicotinic Acid
NT2 Pantothenic Acid
NT2 Pyridoxine
NT2 Riboflavin
NT2 Thiamine
NT2 Vitamin B-12
NT1 Vitamin D
NT2 Cholecalciferol
NT2 Ergocalciferol
NT1 Vitamin E
NT1 Vitamin K
RT Biochemistry
RT Carotenoids
RT Diet
RT Drugs
RT Food
RT Food Additives
RT Metabolism

VITON [01]
DA December 1, 1974
BT1 Rubbers
BT2 Elastomers
BT3 Polymers
BT2 Organic Polymers
BT3 Organic Compounds
BT3 Polymers

VITRIFICATION [01]
DA December 1, 1974
SF *Immobilization*
RT Ceramic Melters
RT Glass
RT Harvest Process
RT PAMELA Plant
RT Radioactive Waste Processing
RT Solidification
RT Waste Processing

VITRINITE [01]
DA September 27, 1979
BT1 Macerals

→**VIVITRON TANDEM ACCELERATOR [01]**
(Nuclear Research Center, Strasbourg, France.)
DA August 20, 1991
BT1 Tandem Electrostatic Accelerators
BT2 Electrostatic Accelerators
BT3 Accelerators
BT1 Van de Graaff Accelerators
BT2 Electrostatic Accelerators
BT3 Accelerators

VK-50 REACTOR [01]
(Dimitrovgrad, USSR)
DA December 1, 1974
UF *Ulyanovsk Reactor VK-50*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

Vlasov Equation
DA December 1, 1974
USE Boltzmann-Vlasov Equation

Vlasov Instability
DA December 1, 1974
USE Boltzmann-Vlasov Equation

VLCC
DA August 4, 1976
USE Tanker Ships

VMI MODEL [01]
DA December 1, 1974
UF *Variable Moment of Inertia Model*
BT1 Nuclear Models
BT2 Mathematical Models
RT Backbending
RT Moment of Inertia

VNT Alloys
DA December 20, 1978
USE Steel VNT

VOC
DA September 15, 1992
USE Organic Compounds
AND Volatile Matter

Vocabulary (Controlled)
DA December 1, 1974
USE Standardized Terminology

Vocational Training
DA September 22, 1980
USE Training

VOGTLE-1 REACTOR [01]
(Waynesboro, Georgia, USA)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

VOGTLE-2 REACTOR [01]
(Waynesboro, Georgia, USA)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

VOGTLE-3 REACTOR [01]
(Waynesboro, Georgia, USA)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

VOGTLE-4 REACTOR [01]
(Waynesboro, Georgia, USA)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

VOID COEFFICIENT [01]
DA December 1, 1974
BT1 Reactivity Coefficients

VOID FRACTION [01]
DA December 1, 1974
RT Liquids
RT Vapors

VOIDS [01]
DA December 1, 1974
RT Boiling Detection
RT Bubbles
RT Cavities
RT Defects

VOIGT EFFECT [01]
DA December 1, 1974
UF *Cotton-Mouton Effect*
BT1 Magneto-Optical Effects
RT Plasma
RT Polarization
RT Visible Radiation

VOLATILE MATTER [01]
DA September 14, 1976
UF+ *VOC*
BT1 Matter
RT Coal
RT Devolatilization
RT Organic Compounds
RT Pyrolysis Products
RT Pyrolytic Gases
RT Pyrolytic Oils
DEF Products, exclusive of moisture, given off by a material as gas and vapor, determined by definite prescribed methods.

VOLATILITY [01]
DA December 1, 1974
RT Chloride Volatility Process
RT Devolatilization
RT Distillation
RT Fluoride Volatility Process

Volatilization
DA December 1, 1974
USE Evaporation

VOLCANIC GASES [01]
DA August 8, 1978
BT1 Gases
BT2 Fluids
RT Fumarolic Fluids
RT Volcanism
RT Volcanoes
DEF Volatile matter released during a volcanic eruption that was previously dissolved in the magma.

VOLCANIC REGIONS [01]
DA January 27, 1976
RT Hachimantai
RT Volcanoes

VOLCANIC ROCKS
DA May 15, 1975
BT1 Igneous Rocks
BT2 Rocks
NT1 Andesites
NT1 Basalt
NT2 Diabases
NT1 Lamprophyres
NT2 Kimberlites
NT1 Nepheline Basalts
NT1 Perlite
NT1 Rhyolites
NT1 Trachytes

VOLCANISM [01]
DA November 11, 1975
RT Eruption
RT Lava
RT Magma
RT Magmatism
RT Volcanic Gases
RT Volcanoes
DEF The process by which magma and its associated gases rise into the crust and are extruded onto the earth's surface and into the atmosphere.

VOLCANOES [01]
DA December 1, 1974
NT1 Kilauea Volcano

RT Calderas
RT Earth Crust
RT Fumaroles
RT Geology
RT Geothermal Energy
RT Hot Spots
RT Lava
RT Mt St Helens
RT Volcanic Gases
RT Volcanic Regions
RT Volcanism

VOLES [01]
DA December 1, 1974
BT1 Rodents
BT2 Mammals
BT3 Vertebrates
BT4 Animals

VOLGA RIVER [01]
DA December 1, 1974
BT1 Rivers
BT2 Streams
BT3 Surface Waters
RT USSR

VOLOXIDATION PROCESS [01]
DA December 1, 1974
BT1 Head End Processes
DEF Separation process designed to remove volatile fission products from spent LMFBR fuels.

Volt-Ampere Characteristic
DA June 30, 1975
USE Electric Conductivity

Volt-Ampere Reactive Control Systems
DA March 23, 1983
USE VAR Control Systems

Voltage
DA December 1, 1974
USE Electric Potential

VOLTAGE DROP [01]
DA January 7, 1976
NT1 Electrical Transients
RT Electric Potential
RT Resistors

VOLTAGE REGULATORS [01]
DA December 1, 1974
UF *Regulators (Voltage)*
RT Electric Controllers
RT Surges

Voltaic Cells
DA December 1, 1974
USE Electric Batteries

VOLTAMETRY [01]
DA December 1, 1974
UF *Coulometry*
RT Currents
RT Electrolysis
RT Electrolytic Cells
RT Potentiostats
RT Quantitative Chemical Analysis

Volterra Equations
DA December 1, 1974
USE Volterra Integral Equations

VOLTERRA INTEGRAL EQUATIONS [01]
DA December 1, 1974
UF *Volterra Equations*
BT1 Integral Equations
BT2 Equations

VOLTMETERS [01]
DA December 1, 1974
BT1 Electric Measuring Instruments
BT2 Electrical Equipment
BT3 Equipment
BT2 Measuring Instruments

VOLUME [01]
DA December 1, 1974
RT Dilatancy
RT Dimensions
RT Size

VOLUMETRIC ANALYSIS [01]
DA April 8, 1975
BT1 Quantitative Chemical Analysis
BT2 Chemical Analysis

VOMITING [01]
DA December 1, 1974
BT1 Symptoms
RT Digestive System Diseases
RT Stomach

VORONEZH AST-500 REACTOR [01]
(Voronezh, USSR.)
DA February 13, 1990
BT1 Thermal Reactors
BT2 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors

VORTEX AUGMENTED TURBINES
DA June 2, 1977
BT1 Wind Turbines
BT2 Turbines
BT3 Turbomachinery
BT4 Machinery
BT5 Equipment
RT Horizontal Axis Turbines
DEF Horizontal axis turbines located at trailing ends of aerodynamic wing to utilize vortex air flow from wing tips.

VORTEX FLOW [01]
(Prior to October 1981 this concept was indexed to SWIRL FLOW.)
DA December 1, 1974
UF *Swirl Flow*
BT1 Fluid Flow
RT Superfluidity

VORTICES [01]
DA December 1, 1974
RT Turbulence

Vortices (Magnetic)
DA December 1, 1974
USE Magnetic Flux

VOYAGER SPACE PROBES [01]
DA July 6, 1978
BT1 Space Vehicles
BT2 Vehicles

VPI-UTR-10 REACTOR [01]
DA December 1, 1974
UF *Virginia Polytechnic Institute Training Reactor*
BT1 Argonaut Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors

VR-1 REACTOR [01]
(Czech Technical University, Faculty of Nuclear Science and Technical Engineering, Prague.)
DA September 5, 1986
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors

VRAIN REACTOR [01]
DA December 1, 1974
UF *Fort St. Vrain Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Helium Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 HTGR Type Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT2 Graphite Moderated Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors

VUILLEUMIER CYCLE
DA January 23, 1978
BT1 Thermodynamic Cycles
RT Solar Air Conditioners

Vulcain Experiment Nuclear Study
DA December 1, 1974
USE Venus Reactor

Vulcain/Belgian-3 Reactor
DA December 1, 1974
USE BR-3-VN Reactor

VULCANIZATION [01]
DA December 1, 1974
RT Curing
RT Rubbers
RT Vulcanized Elastomers

VULCANIZED ELASTOMERS [01]
DA December 1, 1974
NT1 Ebonite
RT Elastomers
RT Vulcanization

VULNERABILITY [01]
DA July 5, 1978
RT Adversaries
RT Sabotage
RT Safeguards
RT Theft
RT Warfare

Vulpes
DA March 12, 1985
USE Foxes

VYCOR [01]
DA December 1, 1974
RT Glass

W CODES [01]
DA December 1, 1974
BT1 Computer Codes

W-L SULFUR DIOXIDE RECOVERY PROCESS
DA January 24, 1975
UF *Wellman-Lord Process*
BT1 Desulfurization
BT2 Chemical Reactions
RT Waste Processing
DEF Process for desulfurization of waste gas stream developed by Wellman-Power Gas, Inc..

W MINUS BOSONS [01]
(Prior to October 1985 this concept was indexed to INTERMEDIATE VECTOR BOSONS.)
DA October 11, 1985
BT1 Intermediate Vector Bosons
BT2 Intermediate Bosons
BT3 Bosons
BT3 Elementary Particles

W PLUS BOSONS [01]
(Prior to October 1985 this concept was indexed to INTERMEDIATE VECTOR BOSONS.)

DA October 11, 1985
BT1 Intermediate Vector Bosons
BT2 Intermediate Bosons
BT3 Bosons
BT3 Elementary Particles

W STELLARATORS
DA May 15, 1975
BT1 Stellarators
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

W. B. Mc Guire-1 Reactor
DA December 1, 1974
USE Mc Guire-1 Reactor

W. B. Mc Guire-2 Reactor
DA December 1, 1974
USE Mc Guire-2 Reactor

WABASCA DEPOSIT [01]
DA April 30, 1975
BT1 Oil Sand Deposits
BT2 Geologic Deposits
RT Alberta
RT Canada
RT Oil Sands

WACKERSDORF REPROCESSING PLANT [01]
DA May 23, 1988
BT1 Fuel Reprocessing Plants
BT2 Nuclear Facilities
RT Reprocessing
RT Spent Fuel Elements
RT Spent Fuels

Wageningen BARN Reactor
DA December 1, 1974
USE BARN Reactor

WAGES [01]
DA August 12, 1980
UF *Salary*
RT Employment
RT Personnel
RT Work

WAGON WHEEL EVENT [01]
DA December 1, 1974
BT1 Contained Explosions
BT2 Explosions
BT1 Nuclear Explosions
BT2 Explosions
BT1 Plowshare Project
RT Natural Gas

WAGR REACTOR [01]
DA December 1, 1974
UF *AGR Reactor (Windscale)*
UF *Windscale Advanced Gas-Cooled Reactor*
BT1 AGR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 GCR Type Reactors
BT3 Gas Cooled Reactors
BT4 Reactors
BT3 Graphite Moderated Reactors
BT4 Reactors
BT1 Carbon Dioxide Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

WAIOTAPU GEOTHERMAL FIELD
DA February 20, 1975
BT1 Geothermal Fields
RT New Zealand

WAIRAKEI GEOTHERMAL FIELD [01]
DA January 23, 1975
BT1 Geothermal Fields
RT Geothermal Hot-Water Systems
RT New Zealand

WAIRAKITE
DA February 20, 1975
BT1 Zeolites
BT2 Inorganic Ion Exchangers
BT3 Ion Exchange Materials
BT4 Materials
BT2 Silicate Minerals
BT3 Minerals
DEF A zeolite, $CaO.Al_2O_3.4SiO_2.2H_2O$, the calcium analog of analcime.

WAK [01]
(Wiederaufarbeitungsanlage Karlsruhe.)
DA May 6, 1975
UF *Karlsruhe Reprocessing Plant*
BT1 Fuel Reprocessing Plants
BT2 Nuclear Facilities
BT1 German FR Organizations
BT2 National Organizations
RT Reprocessing
RT Spent Fuel Elements
RT Spent Fuels

WAKEFIELD ACCELERATORS [01]
DA July 25, 1986
BT1 Linear Accelerators
BT2 Accelerators
RT Acceleration
RT Plasma Waves
DEF An accelerator in which particles gain energy from electromagnetic waves (the "wake") generated by a relativistic beam.

WALECKA MODEL [01]
(A mean-field theory of nuclear matter with scalar and vector fields as carriers of nuclear forces.)
DA November 8, 1984
BT1 Nuclear Models
BT2 Mathematical Models
RT Nuclear Matter

Walker Carcinoma
DA December 1, 1974
USE Experimental Neoplasms

WALL EFFECTS [01]
DA December 1, 1974
RT End Effects
RT Ionization
RT Ionization Chambers
RT Microdosimetry
RT Plasma
RT Plasma Impurities
RT Proportional Counters
RT Wall Less Counters

WALL-LESS COUNTERS [01]
DA December 1, 1974
BT1 Ionization Chambers
BT2 Radiation Detectors
BT3 Measuring Instruments
BT1 Proportional Counters
BT2 Radiation Detectors
BT3 Measuring Instruments
RT Wall Effects

WALL LOADING [01]
DA October 1, 1975
BT1 Power Density
RT First Wall
DEF Surface power density at thermonuclear reactor walls.

WALLS [01]
DA November 11, 1975
NT1 Bead Walls
NT1 Drum Walls
NT1 Trombe Walls
NT1 Water Walls
RT Buildings
RT Panels

Walter Reed Research Reactor L-54
DA December 1, 1974
USE WRRR Reactor

WALTHER PROCESS
DA August 11, 1982
BT1 Desulfurization
BT2 Chemical Reactions
DEF Desulfurization process in which ammonia is used to produce pelletized ammonium sulfate as a dry end product for direct use as a fertilizer.

WANKEL ENGINES [01]
DA April 30, 1975
BT1 Rotary Engines
BT2 Internal Combustion Engines
BT3 Heat Engines
BT4 Engines
BT1 Spark Ignition Engines
BT2 Internal Combustion Engines
BT3 Heat Engines
BT4 Engines

WANO [01]
(World Association of Nuclear Operators.)
DA June 1, 1990
BT1 International Organizations
RT Nuclear Operators

WAPA
DA March 29, 1980
USE Western Area Power Administration

WARD IDENTITY [01]
DA December 1, 1974
RT Gauge Invariance
RT Quantum Electrodynamics

WARFARE [01]
DA February 6, 1975
NT1 Biological Warfare
NT1 Chemical Warfare
NT1 Conventional Warfare
NT1 Radiological Warfare
RT Military Strategy
RT National Defense
RT Vulnerability

WARM SPRINGS
DA June 6, 1980
SF *Geothermal Springs*
BT1 Thermal Springs
BT2 Water Springs
RT Hydrothermal Systems
DEF Spring whose temperature is appreciably above the local mean annual temperature but below that of the human body

WARRANTIES
DA July 24, 1979
RT Consumer Protection
RT Equipment
RT Legal Aspects

WARSAW CYCLOTRON [01]
DA August 11, 1982
BT1 Heavy Ion Accelerators
BT2 Accelerators
BT1 Isochronous Cyclotrons
BT2 Cyclotrons
BT3 Cyclic Accelerators
BT4 Accelerators

WASATCH FORMATION [01]
DA April 30, 1975
BT1 Geologic Formations
RT Coal Deposits
RT Colorado
RT Natural Gas Deposits
RT Oil Shales
RT Wyoming

WASHAKIE BASIN [01]
DA January 31, 1975
BT1 Wyoming
BT2 USA
BT3 Developed Countries
BT3 North America
RT Green River Formation
RT Oil Shale Deposits

Washers, Clothes
DA June 21, 1977
USE Clothes Washers

Washers (Fuel)
DA December 1, 1974
USE Fuel Washers

WASHING [01]
DA February 19, 1975
BT1 Cleaning
RT Coal Preparation
RT Heavy Media Separation
RT Safety Showers
RT Scrubbing

WASHINGTON [01]
DA December 1, 1974
BT1 USA
BT2 Developed Countries
BT2 North America
NT1 Richland
RT Columbia River
RT Columbia River Basin
RT Lewis River
RT Mt Baker
RT Mt St Helens
RT Pasco Basin
RT Puget Sound
RT Puget Sound Naval Shipyard
RT Sequim Bay
RT Skagit River
RT US West Coast

WASHINGTON DC [01]
DA December 1, 1974
UF *District of Columbia*
BT1 USA
BT2 Developed Countries
BT2 North America
RT Potomac River Basin

Washington State University Reactor
DA December 1, 1974
USE WSUR Reactor

WASHOUT [01]
DA December 1, 1974
UF *Rainout*
UF *Scavenging (Atmospheric)*
UF *Wet Deposition*
BT1 Precipitation Scavenging
BT2 Separation Processes
RT Air Pollution
RT Atmospheric Precipitations
RT Decontamination
RT Droplets
RT Radioactive Clouds
RT Rain
RT Sprays
RT Water

WASPALOY
DA December 1, 1974
BT1 Alloy-Ni58Cr20Co14Mo4Ti3
BT2 Aluminium Alloys
BT3 Alloys
BT2 Boron Additions
BT3 Boron Alloys
BT4 Alloys
BT2 Chromium Alloys
BT3 Alloys
BT2 Cobalt Alloys
BT3 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Iron Alloys
BT3 Alloys
BT2 Molybdenum Alloys
BT3 Alloys
BT2 Nickel Base Alloys
BT3 Nickel Alloys
BT4 Alloys
BT2 Titanium Alloys
BT3 Alloys
BT2 Zirconium Additions
BT3 Zirconium Alloys
BT4 Alloys
BT1 Aluminium Alloys
BT2 Alloys
BT1 Chromium Alloys
BT2 Alloys
BT1 Cobalt Alloys
BT2 Alloys
BT1 Heat Resisting Alloys
BT2 Alloys
BT2 Heat Resistant Materials
BT3 Materials
BT1 Molybdenum Alloys
BT2 Alloys
BT1 Nickel Base Alloys
BT2 Nickel Alloys
BT3 Alloys
BT1 Titanium Alloys
BT2 Alloys

WASPS [01]
DA December 1, 1974
BT1 Hymenoptera
BT2 Insects
BT3 Arthropods
BT4 Invertebrates
BT5 Animals
NT1 Habrobracon
RT Bees

Waste Burial
DA December 1, 1974
USE Underground Disposal

Waste Chemicals
DA March 29, 1982
USE Chemical Wastes

WASTE DISPOSAL [01]
DA December 1, 1974
UF *Discharges (Wastes)*
UF *Disposal (Wastes)*
BT1 Waste Management
BT2 Management
NT1 Ground Disposal
NT1 Ground Release
NT1 Marine Disposal
NT1 Radioactive Waste Disposal
NT1 Sanitary Landfills
NT1 Stack Disposal
NT1 Underground Disposal
RT Aerosol Wastes
RT Exhaust Systems
RT Gaseous Wastes
RT Global Aspects
RT Liquid Wastes
RT Reinjection
RT Salt Vault Project
RT Soil Conservation
RT Solid Wastes
RT Spent Liquors
RT US Superfund
RT Waste Disposal Acts
RT Waste Processing
RT Waste Storage
RT Wastes

WASTE DISPOSAL ACTS [01]
(For nonradioactive wastes. For radioactive wastes, use NUCLEAR WASTE POLICY ACTS.)
DA April 27, 1978
BT1 Laws
NT1 Nuclear Waste Policy Acts
RT Liquid Wastes
RT Resource Recovery Acts
RT Solid Wastes
RT US Superfund
RT Waste Disposal

WASTE FORMS [01]
DA February 10, 1984
UF *Wasteforms*
RT Radioactive Waste Disposal
RT Radioactive Waste Processing
DEF Radioactive materials or objects in processed or unprocessed condition, which will be disposed of without further change of form.

Waste-Fueled Boilers
DA May 9, 1979
USE Refuse-Fueled Boilers

Waste-Fueled Power Plants
DA March 27, 1979
USE Refuse-Fueled Power Plants

WASTE HEAT [01]
DA December 1, 1974
BT1 Heat
BT2 Energy
BT1 Wastes
RT Cogeneration
RT Energy Sources
RT Heat Sinks
RT Plumes
RT Thermal Effluents
RT Thermal Pollution
RT Waste Heat Utilization

WASTE HEAT BOILERS [01]
DA December 20, 1978
BT1 Boilers
RT Cogeneration
RT Heat Recovery Equipment
RT Waste Heat Utilization

WASTE HEAT UTILIZATION [01]
DA June 21, 1977
BT1 Waste Product Utilization
NT1 Energy Cascade
RT Aquaculture
RT Cogeneration
RT DEUS
RT EAST Facility
RT Heat Recovery
RT Waste Heat
RT Waste Heat Boilers

Waste Isolation Pilot Plant
DA October 10, 1984
USE WIPP

WASTE MANAGEMENT [01]
DA December 1, 1974
UF *Handling (Wastes)*
BT1 Management
NT1 Nonradioactive Waste Management
NT2 Nonradioactive Waste Disposal
NT1 Radioactive Waste Management
NT2 Radioactive Waste Disposal
NT2 Radioactive Waste Processing
NT3 Aralex Process
NT3 Harvest Process
NT3 Iodox Process
NT3 MEDEC Process
NT3 OPIX Process
NT3 SYNROC Process
NT2 Radioactive Waste Storage
NT3 Monitored Retrievable Storage
NT1 Waste Disposal
NT2 Ground Disposal
NT2 Ground Release
NT2 Marine Disposal
NT2 Radioactive Waste Disposal
NT2 Sanitary Landfills
NT2 Stack Disposal
NT2 Underground Disposal
NT1 Waste Processing
NT2 Activated Sludge Process
NT2 Anaerobic Digestion
NT3 BIOGAS Process
NT2 Baille Process
NT2 Black Clawson System
NT2 Caloricon Process
NT2 CITREX Process
NT2 Composting
NT2 CYAM Process
NT2 Destrugas Process
NT2 Flame Chamber Process
NT2 Fluidized Bed Refuse Gasification
NT2 Hichlor Process
NT2 Landgard Pyrolysis System
NT2 Lime-Soda Sinter Process
NT2 Materials Recovery
NT2 Molten Salt Waste Gasification Process
NT2 Occidental Flash Pyrolysis Process
NT2 Purox Pyrolysis Process
NT2 Radioactive Waste Processing
NT3 Aralex Process
NT3 Harvest Process
NT3 Iodox Process
NT3 MEDEC Process
NT3 OPIX Process
NT3 SYNROC Process
NT2 Slagging Pyrolysis Process

NT2 Steam Stripping
NT2 Syngas Process
NT2 UNISULF Process
NT2 Wet Oxidation Processes
NT1 Waste Retrieval
NT1 Waste Storage
NT2 Radioactive Waste Storage
NT3 Monitored Retrievable Storage
NT1 Waste Transportation
RT Hazardous Materials
RT Waste Oils
RT Waste Product Utilization

WASTE OIL REFINERIES [01]
DA July 18, 1981
BT1 Waste Processing Plants
BT2 Industrial Plants
RT Lubricating Oils
RT Petroleum Refineries
RT Recycling
RT Waste Oils

WASTE OILS [01]
DA October 13, 1976
BT1 Oils
BT2 Other Organic Compounds
BT3 Organic Compounds
RT Lubricating Oils
RT Recycling
RT Waste Management
RT Waste Oil Refineries

WASTE PELLETS [01]
DA April 17, 1981
BT1 Pellets
RT Pelletizing
RT Radioactive Wastes
RT Solid Wastes

WASTE PROCESSING [01]
DA December 1, 1974
UF *Processing (Wastes)*
UF *Waste Treatment*
UF+ *Pyrotek Process*
BT1 Processing
BT1 Waste Management
BT2 Management
NT1 Activated Sludge Process
NT1 Anaerobic Digestion
NT2 BIOGAS Process
NT1 Baille Process
NT1 Black Clawson System
NT1 Caloricon Process
NT1 CITREX Process
NT1 Composting
NT1 CYAM Process
NT1 Destrugas Process
NT1 Flame Chamber Process
NT1 Fluidized Bed Refuse Gasification
NT1 Hichlor Process
NT1 Landgard Pyrolysis System
NT1 Lime-Soda Sinter Process
NT1 Materials Recovery
NT1 Molten Salt Waste Gasification Process
NT1 Occidental Flash Pyrolysis Process
NT1 Purox Pyrolysis Process
NT1 Radioactive Waste Processing
NT2 Aralex Process
NT2 Harvest Process
NT2 Iodox Process
NT2 MEDEC Process
NT2 OPIX Process
NT2 SYNROC Process
NT1 Slagging Pyrolysis Process
NT1 Steam Stripping
NT1 Syngas Process
NT1 UNISULF Process
NT1 Wet Oxidation Processes
RT Aerobic Digestion
RT Al Aqueous Carbonate Process
RT Alkalized Alumina Process
RT Ammonia-Ammonium Bisulfate Process
RT Aquaclaus Process
RT AS Recycling Process
RT BAMAG Process
RT Bergbauforschung-Foster Wheeler Process
RT Bergbauforschung Process
RT Bischoff Process
RT Bitumens
RT Calcination
RT Carl Still Process
RT Cat-Ox Process
RT CEA-ADL Dual Alkali Process
RT Chemico Process
RT Chiyoda Thoroughbred Process
RT CPU-400 Combustion Plant
RT Davy S-H Process
RT Diamox Process
RT Dowa Process
RT Evaporation
RT Flotation
RT FMC Double Alkali Process
RT Freezing Out
RT Furnaks Process
RT Gravichem Process
RT Grillo Process
RT Hirohax Process
RT Hoelter Process
RT ICI Process
RT IFP Process
RT Ionics Electrolytic Regeneration Process
RT Koppers Vacuum Carbonate Process
RT Lime-Limestone Wet Scrubbing Processes
RT Liquid Wastes
RT LUCAS Process
RT Magnesium Slurry Scrubbing Process
RT Perox Process
RT Phosphate Process
RT Precipitation
RT Process Control
RT Purasiv S Process
RT Regeneration
RT Reinluft Process
RT RESOX Process
RT Saarberg-Holter Process
RT Scrubbers
RT Settling Ponds
RT Shell-UOP Copper Oxide Process
RT Solidification
RT SOXAL Process
RT Stauffer AQUACLAUS Process
RT Thiosorbic Process
RT Topsoe-SNPA Process
RT Tyco Process
RT Vacuum Carbonate Process
RT Vitrification
RT W-L Sulfur Dioxide Recovery Process
RT Waste Disposal
RT Waste Processing Plants
RT Westvaco Process
RT Wet Ashing

WASTE PROCESSING PLANTS [01]
DA October 1, 1975
BT1 Industrial Plants
NT1 CPU-400 Combustion Plant
NT1 Resource Recovery Facilities
NT1 Waste Oil Refineries
RT Baille Process
RT BIOGAS Process
RT Black Clawson System
RT Landgard Pyrolysis System
RT Occidental Flash Pyrolysis Process
RT Purox Pyrolysis Process
RT Waste Processing
RT Water Treatment Plants

WASTE PRODUCT UTILIZATION [01]
DA August 9, 1977
NT1 Waste Heat Utilization
NT2 Energy Cascade
RT Cogeneration
RT Soil Conservation
RT Spent Liquors
RT Stillage
RT Waste Management
DEF Use of waste products as raw material either directly or after processing. Examples: use of fly ash in road building material; use of sewage sludge for fertilizers.

WASTE RETRIEVAL [01]
DA September 22, 1981
BT1 Waste Management
BT2 Management
RT Materials Handling
RT Radioactive Waste Facilities
RT Radioactive Wastes
RT Retrieval Systems

WASTE-ROCK INTERACTIONS [01]
DA March 17, 1981
RT Backfilling
RT Chemical Reactions
RT Radioactive Waste Disposal
RT Rock-Fluid Interactions
RT Rocks

Waste Solutions
DA December 1, 1974
USE Liquid Wastes

WASTE STORAGE [01]
DA December 1, 1974
UF *Storage (Wastes)*
BT1 Storage
BT1 Waste Management
BT2 Management
NT1 Radioactive Waste Storage
NT2 Monitored Retrievable Storage
RT Waste Disposal

WASTE TRANSPORTATION [01]
DA December 1, 1974
BT1 Transport
BT1 Waste Management
BT2 Management
RT Away-From-Reactor Storage
RT Routing

Waste Treatment
DA December 1, 1974
USE Waste Processing

WASTE WATER [01]
DA January 31, 1975
UF+ *Oil Shale Waste Water*
BT1 Liquid Wastes
BT2 Wastes
BT1 Water
BT2 Hydrogen Compounds
BT2 Oxygen Compounds
NT1 Shale Tar Water
RT Acid Mine Drainage
RT Bioreactors
RT Reinjection
RT Steam Stripping
RT Water Pollution
RT Water Removal

Wasteforms
DA November 8, 1984
USE Waste Forms

WASTES [01]
DA December 1, 1974
NT1 Aerosol Wastes
NT2 Fly Ash
NT1 Biological Wastes
NT2 Feces
NT2 Manures
NT2 Sewage Sludge
NT2 Sweat
NT2 Urine
NT1 Chemical Wastes
NT2 Chemical Effluents
NT1 Gaseous Wastes
NT2 Exhaust Gases
NT2 Flue Gas
NT1 Industrial Wastes
NT2 Spent Liquors
NT2 Whey
NT1 Liquid Wastes
NT2 Spent Liquors
NT2 Waste Water
NT3 Shale Tar Water
NT1 Municipal Wastes
NT1 Organic Wastes
NT2 Agricultural Wastes
NT3 Bagasse
NT3 Manures
NT2 Compost
NT2 Stillage

NT1 Radioactive Wastes
NT2 Alpha-Bearing Wastes
NT2 Calcined Wastes
NT2 High-Level Radioactive Wastes
NT2 Intermediate-Level Radioactive Wastes
NT2 Low-Level Radioactive Wastes
NT2 Radioactive Effluents
NT1 Sewage
NT2 Sewage Sludge
NT1 Solid Wastes
NT2 Mineral Wastes
NT3 Culm
NT2 Scrap
NT3 Scrap Metals
NT2 Tailings
NT3 Mill Tailings
NT3 Oil Sand Tailings
NT2 Wood Wastes
NT1 Waste Heat
RT By-Products
RT Combustion Products
RT Pyrolysis Products
RT Residues
RT Sludges
RT Waste Disposal

WATER [01]
DA December 1, 1974
UF *Hydrogen Hydroxides*
UF *Oxygen Hydrides*
UF *Water Coolant*
UF *Water Moderator*
BT1 Hydrogen Compounds
BT1 Oxygen Compounds
NT1 Drinking Water
NT1 Feedwater
NT1 Fresh Water
NT1 Ground Water
NT2 Interstitial Water
NT3 Connate Water
NT2 Magmatic Water
NT2 Meteoric Water
NT1 Heavy Water
NT1 Hot Water
NT1 Rain Water
NT2 Throughfall
NT1 Seawater
NT1 Waste Water
NT2 Shale Tar Water
RT Anhydrides
RT Aqueous Solutions
RT Balneology
RT Clouds
RT Coolants
RT Cooling
RT Demineralizers
RT Electromagnetic Filters
RT Environmental Materials
RT Glaciers
RT Hydrates
RT Hydronium Radicals
RT Hydrophylic Polymers
RT Hydrosphere
RT Ice
RT Interception
RT Liming
RT Liquid Wastes
RT Moderators
RT Moisture
RT Recombiners
RT Slush
RT Solvents
RT Steam
RT Surface Waters
RT Thermochemical Processes
RT Throughfall
RT Total Flow Systems
RT Washout
RT Water Chemistry
RT Water Requirements
RT Water Resources
RT Water Rights

WATER BRAKES
DA April 11, 1979
BT1 Brakes
BT2 Machine Parts
RT Energy Conversion
RT Wind Turbines
DEF Conversion of mechanical energy into heat energy by use of rotating or reciprocating blades in contained water system and prevention of gust overspeed in fixed-pitch wind turbines.

WATER CHEMISTRY [01]
DA February 20, 1975
UF *Chemistry (Water)*
UF *Cooling Water Chemical Treatment*
BT1 Chemistry
NT1 Acid Neutralizing Capacity
RT Chemical Composition
RT Corrosion Denting
RT Dissolved Gases
RT Partial Pressure
RT Water

Water Content
DA December 1, 1974
SEE Humidity
OR Moisture

Water Coolant
DA December 1, 1974
USE Water

Water Cooled Graphite Moderated Reactors
DA December 1, 1974
USE LWGR Type Reactors

WATER COOLED REACTORS [01]
DA December 1, 1974
UF *Light Water Cooled Reactors*
UF *LWR Type Reactors*
BT1 Reactors
NT1 AARR Reactor
NT1 ACPR Reactor
* NT1 Aqueous Homogeneous Reactors
* NT1 Argonaut Type Reactors
NT1 ASTR Reactor
NT1 ATR Reactor
NT1 ATSR Reactor
NT1 BORAX-1 Reactor
NT1 BORAX-2 Reactor
NT1 BORAX-3 Reactor
NT1 BORAX-4 Reactor
NT1 BORAX-5 Reactor
NT1 BR-02 Reactor
NT1 BR-2 Reactor
NT1 BR-3-VN Reactor
* NT1 BWR Type Reactors
NT1 Cirus Reactor
NT1 ESADA-VESR Reactor
NT1 ETR Reactor
NT1 EVSR Reactor
NT1 EWA Reactor
NT1 GETR Reactor
NT1 HCLWR Type Reactors
NT1 HFETR Reactor
NT1 HFIR Reactor
NT1 HFR Reactor
NT1 HWLWR Type Reactors
NT2 Cirene Reactor
NT2 Gentilly Reactor
NT2 JATR Reactor
NT1 Iowa UTR-10 Reactor
NT1 JANUS Reactor
NT1 JMTR Reactor
NT1 Kamini Reactor
NT1 KUHFR Reactor
NT1 LITR Reactor
NT1 LR-0 Reactor
NT1 LWBR Type Reactors
* NT1 LWGR Type Reactors
NT1 MAPLE Reactor
NT1 MAPLE Type Reactors
NT1 MIR Reactor
NT1 MRR Reactor
NT1 MTR Reactor
NT1 MURR Reactor
NT1 NETR Reactor
NT1 NSRR Reactor
NT1 NTR Reactor
NT1 Orphee Reactor
NT1 ORR Reactor
NT1 Osiris Reactor
NT1 OWR Reactor
NT1 PBR Reactor
NT1 Pegase Reactor
NT1 Peggy Reactor
NT1 Perryman-1 Reactor
NT1 Perryman-2 Reactor
* NT1 Pool Type Reactors
NT1 Purnima-3 Reactor
* NT1 PWR Type Reactors
NT1 R-2 Reactor
NT1 RA-5 Reactor
NT1 RG-1M Reactor
NT1 Safari-1 Reactor
NT1 SCA Reactor
NT1 SGHWR Reactor
NT1 SM-2 Reactor
NT1 SPERT-2 Reactor
NT1 SPERT-3 Reactor
NT1 SR-1 Reactor
NT1 SR-3P Reactor
NT1 SR-OA Reactor
NT1 TCA Reactor
* NT1 TRIGA Type Reactors
NT1 TSR-2 Reactor
NT1 Venus Reactor
NT1 Voronezh AST-500 Reactor
NT1 WNTR Reactor
NT1 WTR Reactor
* NT1 WWR Type Reactors
NT1 ZLFR Reactor
NT1 ZR-6 Reactor

WATER CURRENT POWER GENERATORS [01]
DA June 7, 1976
BT1 Electric Generators
RT Tidal Power

WATER CURRENTS [01]
DA April 12, 1977
UF *Currents (Water)*
UF *Ocean Currents*
BT1 Currents
NT1 Gulf Stream
RT Advection
RT Downwelling
RT Lakes
RT Oceanic Circulation
RT Rivers
RT Seas
RT Surface Waters
RT Tide
RT Upwelling
RT Water Waves
DEF Net transport of water along a definable path.

Water Demand
DA May 9, 1979
USE Water Requirements

Water Distribution
DA September 26, 1979
USE Water Supply

WATER FAUCETS
DA June 21, 1977
UF *Faucets (Water)*
BT1 Valves
BT2 Flow Regulators
BT3 Control Equipment
BT4 Equipment
RT Pipe Fittings
RT Plumbing

WATER GAS
(Approximately 300 Btu/ft^3)
DA January 24, 1975
BT1 Intermediate BTU Gas
BT2 Fuel Gas
BT3 Gas Fuels
BT4 Fuels
BT3 Gases
BT4 Fluids
RT Carburetted Water Gas

WATER GAS PROCESSES
DA January 23, 1975
BT1 Chemical Reactions
RT Hydrogen Production
DEF Water gas with steam in excess is passed over catalysts.

WATER HAMMER [01]
DA December 1, 1974
RT Hydraulics
RT Impact Shock
RT Shock Waves

WATER HEATERS [01]
DA February 26, 1975
UF *Hot Water Heaters*
BT1 Appliances
BT2 Equipment
BT1 Heaters
NT1 Solar Water Heaters
NT2 Passive Solar Water Heaters
NT3 Thermic Diode Solar Panels
RT Annual Cycle Energy System
RT Gas Appliances
RT Water Heating

WATER HEATING
DA June 13, 1981
BT1 Heating
NT1 Geothermal Water Heating
NT1 Solar Water Heating
RT Hot Water
RT Water Heaters

WATER HYACINTHS [01]
DA November 29, 1977
BT1 Aquatic Organisms
BT1 Liliopsida
BT2 Magnoliophyta
BT3 Plants

WATER INFLUX [01]
DA October 23, 1978
SF *Intrusion*
RT Aquifers
RT Coal Seams
RT Mine Draining
RT Mines
RT Natural Gas Wells
RT Oil Wells
RT Reservoir Rock
DEF Influx of water into a reservoir, stratum, or mine.

Water Moderated Organic Cooled Reactors
DA December 1, 1974
USE LWOR Type Reactors

WATER MODERATED REACTORS [01]
DA December 1, 1974
UF *Light Water Moderated Reactors*
BT1 Reactors
NT1 AARR Reactor
NT1 ACPR Reactor
NT1 ANNA Reactor
* **NT1** Aqueous Homogeneous Reactors
* **NT1** Argonaut Type Reactors
NT1 ASTR Reactor
NT1 ATR Reactor
NT1 ATSR Reactor
NT1 BORAX-1 Reactor
NT1 BORAX-2 Reactor
NT1 BORAX-3 Reactor
NT1 BORAX-4 Reactor
NT1 BORAX-5 Reactor
NT1 BR-02 Reactor
NT1 BR-2 Reactor
NT1 BR-3-VN Reactor
* **NT1** BWR Type Reactors
NT1 ESADA-VESR Reactor
NT1 ETR Reactor
NT1 EVSR Reactor
NT1 EWA Reactor
NT1 GCRE Reactor
NT1 GETR Reactor
NT1 HCLWR Type Reactors
NT1 HFETR Reactor
NT1 HFIR Reactor
NT1 HFR Reactor
NT1 JANUS Reactor
NT1 JMTR Reactor
NT1 Juno Reactor
NT1 Kamini Reactor
NT1 KUCA Reactor
NT1 KUHFR Reactor
NT1 LITR Reactor
NT1 LR-0 Reactor
NT1 LWBR Type Reactors
NT1 LWOR Type Reactors
NT1 MAPLE Reactor
NT1 MAPLE Type Reactors
NT1 MIR Reactor
NT1 ML-1 Reactor
NT1 MRR Reactor
NT1 MTR Reactor
NT1 MURR Reactor
NT1 NETR Reactor
NT1 NSRR Reactor
NT1 NTR Reactor
NT1 Nuclear Furnace Reactor
NT1 ORR Reactor
NT1 Osiris Reactor
NT1 OWR Reactor
NT1 PBR Reactor
NT1 Pegase Reactor
NT1 Peggy Reactor
NT1 Perryman-1 Reactor
NT1 Perryman-2 Reactor
* **NT1** Pool Type Reactors
NT1 Purnima-3 Reactor
* **NT1** PWR Type Reactors
NT1 R-2 Reactor
NT1 RA-5 Reactor
NT1 RAKE-2 Reactor
NT1 RG-1M Reactor
NT1 Safari-1 Reactor
NT1 SCA Reactor
NT1 SM-2 Reactor
NT1 SPERT-1 Reactor
NT1 SPERT-2 Reactor
NT1 SPERT-3 Reactor
NT1 SR-1 Reactor
NT1 SR-OA Reactor
NT1 TCA Reactor
* **NT1** TRIGA Type Reactors
NT1 TSR-2 Reactor
NT1 TWMR Reactor
NT1 Venus Reactor
NT1 Voronezh AST-500 Reactor
NT1 WNTR Reactor
NT1 WTR Reactor
* **NT1** WWR Type Reactors
NT1 ZLFR Reactor

Water Moderator
DA December 1, 1974
USE Water

WATER POLICY [01]
DA August 4, 1981
BT1 Environmental Policy
BT2 Government Policies
RT Water Resources

WATER POLLUTION [01]
DA December 1, 1974
UF+ *Thermal Pollution (Water)*
BT1 Pollution
RT Acid Mine Drainage
RT Buoys
RT Clean Water Acts
RT Dissolved Gases
RT Environmental Effects
RT Environmental Exposure
RT Eutrophication
RT Fouling
RT Long-Range Transport
RT Particulates
RT Plumes
RT Point Pollutant Sources
RT Waste Water
RT Water Pollution Abatement
RT Water Pollution Control
RT Water Pollution Monitors
RT Water Quality

WATER POLLUTION ABATEMENT [01]
(Use this term for items that involve the prevention of formation of pollutants at the source.)
DA July 7, 1976
BT1 Pollution Abatement
RT Ground Cover
RT Pollution Control Equipment
RT Prevention of Significant Deterioration
RT Water Pollution
RT Water Reclamation

WATER POLLUTION CONTROL [01]
(Use this term for items that involve the removal or management of pollutants after they are formed by a source.)
DA March 4, 1977
BT1 Pollution Control
BT2 Control
RT Oil Pollution Containment
RT Rotating Disk Removal Systems
RT Sorbent Recovery Systems
RT Water Pollution
RT Water Treatment Plants
RT Water Use
RT Weir Oil Recovery Systems

WATER POLLUTION MONITORS
DA January 23, 1978
BT1 Monitors
BT2 Measuring Instruments
RT Chemical Effluents
RT Liquid Wastes
RT Monitoring
RT Water Pollution

WATER PUMPS [01]
DA March 28, 1979
BT1 Pumps
NT1 Solar Water Pumps

WATER QUALITY [01]
DA October 28, 1975
BT1 Environmental Quality
RT Clean Water Acts
RT Gas Bubble Disease
RT Prevention of Significant Deterioration
RT Water Pollution
RT Water Reclamation
RT Water Treatment

WATER RECLAMATION [01]
DA May 18, 1981
RT Aesthetics
RT Public Health
RT Water Pollution Abatement
RT Water Quality
RT Water Resources

WATER REMOVAL [01]
DA November 28, 1975
UF *Dewatering*
BT1 Removal
RT Coal Preparation
RT Dehydration
RT Dewatering Equipment
RT Waste Water

WATER REQUIREMENTS [01]
DA July 7, 1976
UF *Water Demand*
BT1 Demand
RT Water
RT Water Resources
RT Water Use

WATER RESERVOIRS [01]
DA December 1, 1974
UF *Reservoirs (Water)*
BT1 Surface Waters
NT1 Cooling Ponds
RT Aquicludes
RT Dams
RT Energy Storage
RT Fresh Water
RT Lakes
RT Pumped Storage Power Plants
RT Reservoir Engineering
RT Storage
RT Water Resources
RT Water Supply

WATER RESOURCES [01]
DA February 19, 1975
BT1 Resources
RT Ground Water
RT Surface Waters
RT Water
RT Water Policy
RT Water Reclamation
RT Water Requirements
RT Water Reservoirs
RT Water Rights

RT Water Supply
RT Water Use
RT Water Wells

WATER RIGHTS [01]
(The rights to the use of water.)
DA March 22, 1976
RT Legal Aspects
RT Property Rights
RT Water
RT Water Resources
DEF The rights to the use of water.

WATER SATURATION [01]
DA January 28, 1977
BT1 Saturation
RT Gas Saturation
RT Oil Saturation
RT Reservoir Rock
DEF Degree of filling reservoir pore structure by reservoir water.

Water Solutions
DA December 1, 1974
USE Aqueous Solutions

WATER SOURCE HEAT PUMPS
DA July 24, 1979
BT1 Heat Pumps
RT Air Conditioning
RT Space Heating

WATER SPRINGS
DA June 6, 1980
UF *Springs (Water)*
NT1 Mineral Springs
NT1 Thermal Springs
NT2 Hot Springs
NT3 Geysers
NT4 Old Faithful Geyser
NT2 Warm Springs
RT Ground Water
RT Hydrology
DEF A place where ground water flows naturally from a rock or the soil onto the land surface or into a body of surface water.

WATER SUPPLY [01]
(Used in the sense of a public utility or of an engineered system (e.g., irrigation system) as contrasted to a natural system, for which use WATER RESOURCES.)
DA September 26, 1979
UF *Water Distribution*
RT Plumbing
RT Public Utilities
RT Water Reservoirs
RT Water Resources
RT Water Utilities
RT Water Wells

WATER TABLES [01]
DA March 4, 1980
RT Aquifers
RT Ground Water
RT Hydrology

WATER TREATMENT [01]
DA July 7, 1976
NT1 Steam Stripping
RT Bioreactors
RT Deaerators
RT Water Quality
RT Water Treatment Plants

WATER TREATMENT PLANTS [01]
DA August 9, 1977
RT Waste Processing Plants
RT Water Pollution Control
RT Water Treatment

WATER USE [01]
DA July 20, 1983
RT External Zones
RT Irrigation
RT Water Pollution Control
RT Water Requirements
RT Water Resources

WATER UTILITIES [01]
DA January 27, 1981
BT1 Public Utilities
RT Water Supply

WATER VAPOR [01]
DA December 1, 1974
BT1 Vapors
BT2 Gases
BT3 Fluids
RT Fog
RT Steam
RT Transpiration

WATER WALLS
DA March 4, 1980
BT1 Passive Solar Heating Systems
BT2 Solar Heating Systems
BT3 Heating Systems
BT4 Energy Systems
BT3 Solar Equipment
BT4 Equipment
BT1 Walls
RT Sensible Heat Storage

WATER WAVES [01]
DA August 4, 1976
BT1 Gravity Waves
NT1 Tsunamis
RT Air-Water Interactions
RT Hurricanes
RT Internal Waves
RT Seas
RT Storms
RT Tide
RT Water Currents
RT Wave Forces

WATER WELLS
DA January 30, 1981
BT1 Wells
RT Water Resources
RT Water Supply

WATER WHEELS
DA February 11, 1980
UF *Waterwheels*
BT1 Wheels
RT Hydraulic Turbines
RT Hydroelectric Power Plants

Waterborne Particles
DA September 8, 1981
USE Particulates

WATERFLOODING [01]
DA March 11, 1976
SF *Polymer Flooding*
BT1 Fluid Injection
NT1 Caustic Flooding
RT Petroleum
RT Well Stimulation
DEF Method of pressure maintenance and secondary recovery in which water is injected through input (injection) wells to drive oil to the production wells.

WATERFORD-3 REACTOR [01]
(Taft, Louisiana, USA)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

WATERFORD-4 REACTOR [01]
(Taft, Louisiana, USA)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

WATERPROOFING
DA January 28, 1977
RT Coatings
RT Films
RT Protective Coatings
RT Sealing Materials
RT Seals
RT Surface Coating
RT Surface Properties
RT Surface Treatments
RT Wettability

WATERSHEDS [01]
DA April 19, 1976
NT1 Colorado River Basin
NT1 Columbia River Basin
NT2 Pasco Basin
NT1 Connecticut River Basin
NT1 Great Lakes Basin
NT1 Mississippi River Basin
NT1 Missouri River Basin
NT1 Monongahela River Basin
NT1 North Platte River Basin
NT1 Piceance Creek Basin
NT1 Powder River Basin
NT1 Tennessee Valley Region
NT1 Yellow Creek Basin
RT Drainage
RT Land Use
RT Runoff
RT Streams
RT Surface Waters
RT Valleys
DEF The drainage areas or catchment basins of streams.

Waterwall Furnaces
DA June 13, 1981
USE Waterwall Incinerators

WATERWALL INCINERATORS
DA June 13, 1981
UF *Waterwall Furnaces*
BT1 Incinerators
RT Steam Generators

Waterwheels
DA February 11, 1980
USE Water Wheels

Watson Method
DA December 1, 1974
USE Sommerfeld-Watson Theory

Watt Distribution
DA December 1, 1974
USE Watt Fission Spectrum

Watt Fission Source
DA December 1, 1974
USE Watt Fission Spectrum

WATT FISSION SPECTRUM [01]
DA December 1, 1974
UF *Watt Distribution*
UF *Watt Fission Source*
BT1 Neutron Spectra
BT2 Spectra
RT Fission
RT Prompt Neutrons
RT Thermal Fission
RT Thermal Neutrons

Watt-Hour Meters
DA January 23, 1978
USE Power Meters

WATT POWER RANGE [01]
DA August 10, 1989
BT1 Power Range
NT1 Power Range 01-10 W
NT1 Power Range 10-100 W
NT1 Power Range 100-1000 W

Wattage
DA September 19, 1977
USE Power Input

WATTS BAR-1 REACTOR [01]
(Spring City, Tennessee, USA)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

WATTS BAR-2 REACTOR [01]
(Spring City, Tennessee, USA)
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

WAVE ENERGY CONVERTERS [01]
DA June 30, 1975
RT Energy Conversion
RT Seas
DEF Devices for converting energy of water waves into electrical energy.

WAVE EQUATIONS [01]
DA September 14, 1976
BT1 Partial Differential Equations
BT2 Differential Equations
BT3 Equations
NT1 Dirac Equation
NT1 Klein-Gordon Equation
NT1 Schroedinger Equation
RT Rarita-Schwinger Theory

WAVE FORCES
DA March 8, 1977
RT Storms
RT Water Waves
RT Wave Power
DEF Forces exerted on mechanical structures by waves.

WAVE FORMS [01]
DA December 1, 1974
UF *Waveforms*
RT Electromagnetic Radiation
RT Polarization
RT Wave Propagation

WAVE FUNCTIONS [01]
DA December 1, 1974
BT1 Functions
RT Brillouin Theorem
RT Eigenfunctions
RT Fractional-Parentage Coefficients
RT Hybridization
RT Muffin-Tin Potential
RT Projection Operators
RT Schroedinger Equation
RT Slater Method

WAVE PACKETS [01]
DA December 1, 1974
RT Wave Propagation

WAVE POWER [01]
DA June 30, 1975
BT1 Power
BT1 Renewable Energy Sources
BT2 Energy Sources
RT Power Generation
RT Wave Forces

WAVE PROPAGATION [01]
DA December 1, 1974
UF *Propagation (Wave)*
RT Amplitudes
RT Fermat Principle
RT Huygens Principle
RT Interference
RT Internal Waves
RT Mode Conversion
RT Phase Velocity
RT Polarization
RT Refraction
RT Refractive Index
RT Standing Waves
RT Stapp Theory
RT Travelling Waves
RT Wave Forms
RT Wave Packets
RT Zero Sound

Waveforms
DA May 21, 1983
USE Wave Forms

WAVEGUIDES [01]
DA December 1, 1974
NT1 Helical Waveguides
RT Cyclic Accelerators
RT Electrical Equipment
RT Microwave Equipment
RT Standing Waves
RT Travelling Waves

WAVELENGTHS [01]
DA September 12, 1975
RT Infrared Radiation
RT Microwave Radiation
RT Radiowave Radiation

Waves (Shock)
DA December 1, 1974
USE Shock Waves

Waves (Standing)
DA December 1, 1974
USE Standing Waves

Waves (Travelling)
DA December 1, 1974
USE Travelling Waves

WAXES [01]
DA December 1, 1974
UF *Montan Waxes*
BT1 Other Organic Compounds
BT2 Organic Compounds
NT1 Carbowax
NT1 Paraffin
NT1 Santowax
RT Dewaxing

Way of Life
DA November 14, 1978
SEE Life Styles
OR Quality of Life

WAY-WIGNER FORMULA [01]
DA December 1, 1974
RT Beta Decay

WAZ 16
DA August 9, 1979
USE Nickel Base Alloys

Weak Boson
DA December 1, 1974
SEE Intermediate Vector Bosons

WEAK CHARGED CURRENTS [01]
DA November 1, 1976
BT1 Charged Currents
BT2 Algebraic Currents
BT3 Currents

WEAK-COUPLING MODEL [01]
DA December 1, 1974
BT1 Nuclear Models
BT2 Mathematical Models
RT Coupling
RT Particle-Hole Model
RT Shell Models
RT Strong-Coupling Model

WEAK HADRONIC DECAY [01]
DA May 1, 1978
UF *Nonleptonic Decay*
BT1 Weak Particle Decay
BT2 Particle Decay
BT3 Decay
RT Semileptonic Decay
RT Weak Interactions
DEF Decay of hadrons due to weak interactions involving no neutrinos among decay products.

WEAK INTERACTIONS [01]
DA December 1, 1974
BT1 Basic Interactions
BT2 Interactions
NT1 Fermi Interactions
NT1 Leptonic Decay
RT Cabibbo Angle
RT Electron-Quark Interactions
RT Feinberg-Pais Theory
RT Goldberger-Treiman Relation
RT Grand Unified Theory
RT Lepton-Hadron Interactions
RT Lepton-Lepton Interactions
RT Neutral Currents
RT Neutrino Oscillation
RT Photon-Lepton Interactions
RT Second-Class Currents
RT Standard Model
RT Weak Hadronic Decay
RT Weak Neutral Currents
RT Weak Particle Decay
RT Weinberg Lepton Model

WEAK NEUTRAL CURRENTS [01]
DA May 15, 1975
BT1 Neutral Currents
BT2 Algebraic Currents
BT3 Currents
RT Weak Interactions
RT Weinberg Lepton Model
RT Weyl Unified Theory

WEAK PARTICLE DECAY [01]
DA May 1, 1978
BT1 Particle Decay
BT2 Decay
NT1 Leptonic Decay
NT1 Semileptonic Decay
NT1 Weak Hadronic Decay
RT Radiative Decay
RT Weak Interactions

WEAKLY IONIZED GASES [01]
(Ionization factor under 10(-4).)
DA December 1, 1974
BT1 Ionized Gases
BT2 Gases
BT3 Fluids

WEAPONS
DA December 16, 1975
NT1 Biological Warfare Agents
NT1 Bombs
NT1 Chemical Warfare Agents
NT1 Directed-Energy Weapons
NT2 Laser Weapons
NT1 Nuclear Weapons
NT2 Enhanced Radiation Weapons
NT2 Little Boy
RT Ammunition
RT Arms Control
RT Penetrators

WEAR [01]
DA December 1, 1974
RT Abrasion
RT Bearings
RT Erosion
RT Friction
RT Gears
RT Grinding
RT Mechanical Tests
RT Rolling Friction
RT Tribology
RT Wear Resistance

WEAR RESISTANCE [01]
DA December 1, 1974
BT1 Mechanical Properties
RT Wear

WEATHER [01]
DA December 1, 1974
RT Atmospheric Precipitations
RT Climates
RT Clouds
RT Disasters
RT Droughts
RT Forecasting
RT Frost
RT Hail
RT Hurricanes
RT Meteorology
RT Seasons
RT Storms
RT Tornadoes
RT Wind

WEATHERING [01]
(Tendency to disintegrate or slack on exposure to weather.)
DA February 19, 1976
RT Aging
RT Corrosion
RT Decomposition

WEATHERIZATION [01]
DA July 18, 1979
RT Buildings
RT Caulking
RT Storm Doors
RT Storm Windows
RT Thermal Insulation
RT Weatherstripping
DEF Protection from the effects of weather.

WEATHERSTRIPPING [01]
DA June 21, 1977
BT1 Materials
RT Air Infiltration
RT Gaskets
RT Thermal Insulation
RT Weatherization

Web Growth Method
DA February 11, 1980
USE Dendritic Web Growth Method

WECS
(Wind Energy Conversion Systems.)
DA August 4, 1981
USE Wind Turbines

WEDDELL SEA [01]
DA August 6, 1984
BT1 Atlantic Ocean
BT2 Seas
BT3 Surface Waters
DEF An arm of the southern Atlantic Ocean in Antarctica.

WEEDS [01]
DA December 1, 1974
RT Gramineae

Weevils
DA December 1, 1974
USE Beetles

WEGA STELLARATOR [01]
DA December 1, 1974
BT1 Stellarators
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

WEIERSTRASS FUNCTIONS
DA January 23, 1976
BT1 Functions
RT Mathematics

Weighing
DA December 1, 1974
USE Weight Measurement

WEIGHT [01]
DA December 1, 1974
RT Density
RT Mass
RT Molecular Weight

WEIGHT INDICATORS [01]
DA January 22, 1975
BT1 Measuring Instruments
NT1 Balances
NT2 Microbalances
RT Densimeters

WEIGHT MEASUREMENT
DA February 14, 1978
UF *Weighing*
RT Balances

WEIGHTING FUNCTIONS [01]
DA December 1, 1974
BT1 Functions
RT Kriging
RT Statistics

WEIGHTLESSNESS
DA December 21, 1981
UF *Zero Gravity*
RT Gravitation
RT Space Flight

WEIL EQUATION [01]
DA December 1, 1974
BT1 Equations
RT Spin

WEINBERG ANGLE [01]
DA July 23, 1985
UF *Electroweak Mixing Angle*
RT Charged-Current Interactions
RT Intermediate Vector Bosons
RT Neutral-Current Interactions
RT Standard Model
DEF A parameter in the Standard Model of the electroweak interaction that relates the masses of the W and Z^0 by $\sin^2$theta sub w=1-(Msub w^2/Msub z^2). It is use to describe neutral-current weak interactions.

WEINBERG LEPTON MODEL [01]
DA December 1, 1974
UF *Weinberg Model*
BT1 Unified Gauge Models
BT2 Particle Models
BT3 Mathematical Models
RT Electromagnetic Interactions
RT Electron-Quark Interactions
RT Neutral Currents
RT Weak Interactions
RT Weak Neutral Currents

Weinberg Model
DA December 1, 1974
USE Weinberg Lepton Model

WEINBERG-SALAM GAUGE MODEL
DA October 13, 1976
UF *Electroweak Model*
UF *Standard Electroweak Model*
BT1 Unified-Field Theories
BT2 Field Theories
BT1 Unified Gauge Models
BT2 Particle Models
BT3 Mathematical Models
RT Grand Unified Theory
RT Quantum Flavordynamics
RT Standard Model

WEIR OIL RECOVERY SYSTEMS
DA January 23, 1978
BT1 Pollution Control Equipment
BT2 Equipment
RT Oil Spills
RT Water Pollution Control

WEISSENBERG METHOD [01]
DA December 1, 1974
RT Rotating Crystal Method

WEISSKOPF MODEL [01]
DA December 1, 1974
BT1 Evaporation Model
BT2 Nuclear Models
BT3 Mathematical Models

Weizsaecker-Fermi Formula
DA December 1, 1974
USE Weizsaecker Formula

WEIZSAECKER FORMULA [01]
DA December 1, 1974
UF *Bethe-Weizsaecker Relation*
UF *Weizsaecker-Fermi Formula*
RT Liquid Drop Model
RT Mass Number

WELDABILITY [01]
DA December 1, 1974
RT Welding
RT Welding Fluxes

WELDED JOINTS [01]
DA December 1, 1974
UF *Welds*
BT1 Joints
NT1 Brazed Joints
NT1 Lap Welds
RT Welding

WELDING [01]
DA December 1, 1974
UF *Fusion (Welding)*
BT1 Joining
BT2 Fabrication
NT1 Arc Welding
NT2 Gas Metal-Arc Welding
NT3 Gas Tungsten-Arc Welding
NT2 Plasma Arc Welding
NT2 Shielded Metal-Arc Welding
NT2 Submerged Arc Welding
NT1 Brazing
NT1 Diffusion Welding
NT1 Electron Beam Welding
NT1 Electroslag Welding
NT1 Explosion Welding
NT1 Forge Welding
NT1 Friction Welding
NT1 Gas Welding
NT1 Induction Welding
NT1 Laser Welding
NT1 Magnetic Force Welding
NT1 Resistance Welding
NT2 Flash Welding
NT2 Projection Welding
NT1 Soldering
NT1 Ultrasonic Welding
NT1 Vacuum Welding
RT Filler Metals
RT Heat Affected Zone
RT Lap Welds
RT Melting
RT Metallurgical Flux
RT Self-Welding
RT Thermite Process
RT Weldability
RT Welded Joints
RT Welding Machines
RT Welding Rods
DEF All endothermic processes for material joining.

WELDING FLUXES
DA January 22, 1975
RT Weldability
RT Welding Rods

WELDING MACHINES [01]
DA December 1, 1974
RT Welding
RT Welding Rods

WELDING RODS [01]
DA January 22, 1975
RT Welding
RT Welding Fluxes
RT Welding Machines

Welds
DA December 1, 1974
USE Welded Joints

Well Bore Damage
DA January 21, 1983
USE Formation Damage

WELL CASINGS [01]
DA January 23, 1975
UF *Casings (Well)*
RT Cementing
RT Pipes
RT Wells

WELL COMPLETION [01]
DA March 11, 1976
RT Cementing
RT Hydraulic Equipment
RT Natural Gas Wells
RT Oil Wells
RT Perforation
RT Propping Agents
RT Sand Consolidation
RT Well Drilling
RT Wellheads
DEF Final sealing off of a drilled well (after drilling apparatus is removed from borehole) with valving, safety, and flow-control devices.

WELL DRILLING [01]
DA January 23, 1975
BT1 Drilling
RT Cuttings Removal
RT Directional Drilling
RT Drilling Equipment
RT Drilling Rigs
RT Drills
RT Exploratory Wells
RT Geothermal Wells
RT Hydraulic Equipment
RT Lost Circulation
RT MWD Systems
RT Rock Drilling
RT Rotary Drilling
RT Rotary Drills
RT Spark Drills
RT Well Completion
RT Wells

WELL INJECTION EQUIPMENT
DA March 19, 1984
BT1 Field Production Equipment
BT2 Equipment
RT Natural Gas Fields
RT Natural Gas Wells
RT Oil Fields
RT Oil Wells

WELL LOGGING [01]
DA December 1, 1974
UF+ *Hydrocarbon Logging*
NT1 Caliper Logging
NT1 Chemical Logging
NT1 Dipmeter Logging
NT1 Electric Logging
NT2 Induced Polarization Logging
NT2 Induction Logging
NT2 Resistivity Logging
NT2 SP Logging
NT1 Gravity Logging
NT1 Nuclear Magnetic Logging
NT1 Production Logging
NT1 Radioactivity Logging
NT2 Gamma-Gamma Logging
NT2 Gamma Logging
NT2 Neutron Logging
NT3 Neutron-Gamma Logging
NT3 Neutron-Neutron Logging
NT2 Radioactive Tracer Logging
NT2 X-Ray Fluorescence Logging
NT1 Sonic Logging
NT1 Temperature Logging
RT Boreholes
RT Borescopes
RT Drill Cores
RT Geophysical Surveys
RT MWD Systems
RT Well Logging Equipment
DEF Detailed recordings of a physical property of a well or borehole as a function of depth.

WELL LOGGING EQUIPMENT [01]
(To be used only when the equipment itself is the topic of the paper; includes source, detector, and associated equipment.)
DA March 27, 1979
BT1 Equipment
RT Coal Deposits
RT Geothermal Exploration
RT Natural Gas Deposits
RT Petroleum Deposits
RT Probes
RT Uranium Deposits
RT Well Logging

Well Maintenance
DA May 18, 1981
USE Well Servicing

WELL PRESSURE
DA August 8, 1978
UF *Bottom-Hole Pressure*
BT1 Reservoir Pressure
RT Geothermal Wells
RT Natural Gas Wells
RT Oil Wells

Well Reconditioning
DA May 18, 1981
USE Well Servicing

WELL RECOVERY EQUIPMENT
DA March 19, 1984
BT1 Field Production Equipment
BT2 Equipment
RT Natural Gas Fields
RT Natural Gas Wells
RT Oil Fields
RT Oil Wells

WELL SERVICING [01]
DA May 18, 1981
UF *Well Maintenance*
UF *Well Reconditioning*
RT Natural Gas Wells
RT Oil Wells
RT Scrapers
RT Well Stimulation

Well Shooting
DA January 28, 1977
USE Explosive Stimulation

Well Skin Effect
DA January 21, 1983
USE Formation Damage

WELL SPACING
DA July 7, 1976
RT Geothermal Fields
RT Natural Gas Fields
RT Oil Fields
DEF Area location and interrelationship between producing oil, natural gas, or geothermal wells in a field; calculated for the maximum ultimate production from a given reservoir.

WELL STIMULATION [01]
DA June 12, 1975
BT1 Stimulation
NT1 Explosive Stimulation
RT Acidization
RT Carbon Dioxide Injection
RT Displacement Fluids
RT Fracturing Fluids
RT Gas Injection
RT Hydraulic Fracturing
RT Microemulsion Flooding
RT Microemulsions
RT Steam Injection
RT Waterflooding
RT Well Servicing
DEF One of the techniques to increase oil or gas reservoir production such as acidizing, fracturing, controlled underground explosions, or various cleaning techniques.

WELL TEMPERATURE [01]
DA December 11, 1978
BT1 Reservoir Temperature
RT Temperature Measurement

WELLHEAD PRICES [01]
DA June 6, 1979
BT1 Prices
RT Natural Gas Wells
RT Oil Wells
DEF Price paid at the wellhead for gas or oil produced.

WELLHEADS [01]
DA January 28, 1977
UF *Christmas Trees*
BT1 Field Production Equipment
BT2 Equipment
RT Geothermal Wells
RT Natural Gas Wells
RT Oil Wells
RT Well Completion

WELLMAN-GALUSHA PROCESS
DA May 5, 1975
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes
DEF Crushed coal and oxygen-steam mixture are introduced through revolving grate at bottom of gasifier available with or without agitator. Raw gas of 270 Btu/scf is produced.

WELLMAN-INCANDESCENT PROCESS
DA April 27, 1978
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes
RT Gas Generators
DEF This two-stage gasifier is nearly identical to the IFE two-stage gasifier that was commercially available until the late 1950's from the International Furnace Equipment Co. Ltd.

Wellman-Lord Process
DA January 29, 1975
USE W-L Sulfur Dioxide Recovery Process

WELLS [01]
DA February 13, 1975
NT1 Abandoned Wells
NT1 Disposal Wells
NT1 Dry Holes
NT1 Exploratory Wells
NT1 Gas Condensate Wells
NT1 Geothermal Wells
NT1 Injection Wells
NT1 Natural Gas Wells
NT1 Oil Wells
NT1 Water Wells
RT Blowouts
RT Boreholes
RT Drilling
RT Perforation
RT Well Casings
RT Well Drilling

Welton Method
DA December 1, 1974
USE Feynman Method

WENDELL-AMEDEE HOT SPRINGS [01]
DA December 13, 1985
BT1 KGRA
RT California
RT Geothermal Fields

WENDELSTEIN-2B STELLARATOR [01]
DA August 25, 1976
BT1 Stellarators
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

WENDELSTEIN-7 STELLARATOR [01]
DA December 1, 1974
BT1 Stellarators
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

WENDS [01]
(World Energy Data System.)
DA January 24, 1980
UF *World Energy Data System*
BT1 Information Systems
RT Energy Policy

Wentzel-Kramers-Brillouin Approximation
DA December 1, 1974
USE WKB Approximation

West Coast
(Prior to December 1991 this was a valid descriptor.)
DA December 10, 1979
USE US West Coast

West Germany
DA May 25, 1979
USE Federal Republic of Germany

WEST INDIES [01]
DA December 1, 1974
BT1 Islands
NT1 Bahama Islands
NT1 Greater Antilles
NT2 Cuba
NT2 Hispaniola
NT3 Dominican Republic
NT3 Haiti
NT2 Jamaica
NT2 Puerto Rico
NT1 Lesser Antilles
NT2 Barbados
NT2 Martinique
NT2 Netherlands Antilles
NT2 Trinidad and Tobago
NT2 Virgin Islands
NT1 Saint Lucia
NT1 Saint Vincent and the Grenadines
RT Caribbean Sea
RT Latin America

WEST VALLEY PROCESSING PLANT [01]
DA December 1, 1974
BT1 Fuel Reprocessing Plants
BT2 Nuclear Facilities

WEST VALLEY UF6 FACILITY [01]
DA August 24, 1976
BT1 Feed Materials Plants
BT2 Industrial Plants
BT2 Nuclear Facilities

WEST VIRGINIA [01]
DA December 1, 1974
BT1 USA
BT2 Developed Countries
BT2 North America
RT Monongahela River Basin
RT Ohio River
RT Potomac River
RT Potomac River Basin

WESTERN AREA POWER ADMINISTRATION
DA March 29, 1980
UF *WAPA*
BT1 US DOE
BT2 US Organizations
BT3 National Organizations
RT Electric Power

WESTERN AUSTRALIA [01]
DA December 1, 1974
BT1 Australia
BT2 Australasia
BT2 Developed Countries
RT Yeelirrie Deposit

→**WESTERN EUROPE**
(Prior to July 1991 this was a valid descriptor. From July 1991 to August 1993 this concept was indexed to EUROPE.)
DA August 31, 1993
BT1 Europe
NT1 Austria
NT1 Belgium
NT1 Federal Republic of Germany
NT1 France
NT1 Iceland
NT1 Ireland
NT1 Italy
NT2 Appennines
NT2 Sicily
NT1 Luxembourg
NT1 Monaco
NT1 Netherlands
NT1 Portugal
NT2 Azores Islands
NT1 Scandinavia
NT2 Denmark
NT2 Finland
NT2 Norway
NT2 Sweden
NT1 Spain
NT2 Canary Islands
NT1 Switzerland
NT1 United Kingdom
NT2 Bermuda
NT2 Gibraltar

Western New York Nuclear Research Reactor
DA December 1, 1974
USE Pulstar-Buffalo Reactor

Western Region
(Prior to June 1982 this was a valid descriptor.)
DA July 6, 1978
USE USA

WESTERN US OVERTHRUST BELT
DA July 27, 1982
UF *Overthrust Belt*
UF *Rocky Mountain Overthrust Belt*
RT Idaho
RT Montana
RT Natural Gas Deposits
RT Petroleum Deposits
RT Utah
RT Wyoming

WESTINGHOUSE GASIFICATION PROCESS
DA February 23, 1979
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes
RT KRW Gasification Process
DEF The process involves two stages: fluidized-bed gasifier and recirculating-bed devolatilizer.

Westinghouse Nuclear Training Reactor
DA March 4, 1980
USE WNTR Reactor

WESTINGHOUSE RECYCLE FUELS PLANT [01]
DA December 1, 1974
BT1 Fuel Fabrication Plants
BT2 Nuclear Facilities
BT1 Fuel Reprocessing Plants
BT2 Nuclear Facilities
RT Fuel Cycle

WESTINGHOUSE STANDARD REACTOR [01]
(Prior to 1975, PWR/41 TYPE REACTORS was used.)
DA January 23, 1975
UF *PWR/41 Type Reactors*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
RT BOPSSAR Standard Plant
RT Gibbssar Standard Plant

Westinghouse Testing Reactor
DA December 1, 1974
USE WTR Reactor

WESTVACO PROCESS
DA January 27, 1975
BT1 Desulfurization
BT2 Chemical Reactions
RT Waste Processing
DEF Process uses dry activated carbon to remove SO_2 from waste gases.

WET ASHING [01]
DA December 1, 1974
UF *Ashing (Wet)*
RT Combustion
RT Sample Preparation
RT Waste Processing

Wet Deposition
DA January 15, 1980
USE Washout

WET OXIDATION PROCESSES
DA October 10, 1984
BT1 Waste Processing
BT2 Processing
BT2 Waste Management
BT3 Management
RT Liquid Wastes
RT Oxidation

Wet-Type Cooling Towers
DA April 29, 1975
USE Cooling Towers
AND Open-Cycle Cooling Systems

WETLANDS [01]
DA April 17, 1981
UF *Peatlands*
BT1 Aquatic Ecosystems
BT2 Ecosystems
NT1 Marshes
NT1 Swamps
RT River Deltas
RT Surface Waters

WETTABILITY [01]
DA December 1, 1974
RT Surface Properties
RT Waterproofing
RT Wetting Agents

WETTING AGENTS [01]
DA December 1, 1974
BT1 Surfactants
NT1 Detergents
NT2 Pluronics
RT Wettability

WETTING HEAT
DA November 8, 1984
UF *Heat Of Wetting*
RT Absorption Heat
RT Reaction Heat
DEF Heat change that occurs when a powder is wet by a liquid.

Weyl Field
DA December 1, 1974
USE Weyl Unified Theory

WEYL UNIFIED THEORY [01]
DA December 1, 1974
UF *Weyl Field*
BT1 Unified-Field Theories
BT2 Field Theories
RT Electromagnetic Fields
RT Gravitational Fields
RT Weak Neutral Currents

Whales
DA June 15, 1981
USE Cetaceans

WHEAT [01]
DA December 1, 1974
UF *Triticum*
BT1 Cereals
BT2 Gramineae
BT3 Liliopsida
BT4 Magnoliophyta
BT5 Plants

WHEELS
DA December 28, 1978
NT1 Water Wheels
RT Gears

RT Tires
RT Vehicles

WHETSTONE OPERATION
DA November 23, 1979
BT1 Nuclear Explosions
BT2 Explosions
BT1 Underground Explosions
BT2 Explosions
NT1 Handcar Event
RT Contained Explosions

WHEY [01]
DA August 8, 1978
BT1 Industrial Wastes
BT2 Wastes
BT1 Milk Products
BT2 Food
RT Cheese
RT Food Industry
RT Milk
DEF Watery part of milk separated from the curd in the process of making cheese.

WHISKERS [01]
DA December 1, 1974
RT1 Monocrystals
BT2 Crystals

WHISTLER INSTABILITY [01]
DA October 25, 1985
BT1 Plasma Macroinstabilities
BT2 Plasma Instability
BT3 Instability
RT Beam-Plasma Systems
RT Plasma Waves

WHISTLERS [01]
DA December 1, 1974
BT1 Radio Noise
BT2 Noise
BT2 Radiowave Radiation
BT3 Electromagnetic Radiation
BT4 Radiations
RT Atmospherics
RT Auroral Hiss
RT Lightning

White Copper
DA December 1, 1974
USE German Silver

WHITE DWARF STARS [01]
DA December 1, 1974
BT1 Dwarf Stars
BT2 Stars

WHITE HOLES [01]
DA June 7, 1976
RT Black Holes
RT Stars
DEF A time-reversed black hole, an expanding source with growing intensity and photon energy.

WHITE RIVER
(Not related to White River Basin, a geographically separate area in Arkansas and Missouri.)
DA May 5, 1975
BT1 Rivers
BT2 Streams
BT3 Surface Waters
RT Colorado
RT Utah

WHITE RIVER BASIN [01]
(Not related to White River, a river flowing in Colorado and Utah.)
DA November 28, 1977
RT Arkansas
RT Missouri

WHITE RIVER SHALE PROJECT
DA March 11, 1976
RT Oil Shales
RT Utah

WHITE SANDS SOLAR FACILITY
DA October 24, 1981
BT1 Test Facilities
RT Solar Furnaces
DEF The US Army solar test facility in White Sands, New Mexico.

Whiteshell-1 Reactor
DA December 1, 1974
USE WR-1 Reactor

Whiteshell Nuclear Research Establishment
DA May 15, 1975
USE WNRE

WHO [01]
DA December 1, 1974
UF *World Health Organization*
BT1 International Organizations
RT Medicine
RT United Nations

WHOLE-BODY COUNTERS [01]
DA December 1, 1974
BT1 Radiation Detectors
BT2 Measuring Instruments
RT Gamma Spectrometers
RT Whole-Body Counting

WHOLE-BODY COUNTING [01]
DA December 1, 1974
BT1 Counting Techniques
RT Body
RT Personnel Monitoring
RT Radiation Protection
RT Radioactivity
RT Radionuclide Kinetics
RT Retention
RT Whole-Body Counters

WHOLE-BODY IRRADIATION [01]
DA December 1, 1974
BT1 External Irradiation
BT2 Irradiation
RT Body

Wholesale Buyers
DA September 28, 1979
USE Resellers

WHOLESALE PRICE INDEX
DA September 27, 1979
UF *Producer Price Index*
RT Consumer Price Index
RT Economics
RT Prices
RT Wholesale Prices

WHOLESALE PRICES [01]
DA June 6, 1979
BT1 Prices
RT Retail Prices
RT Wholesale Price Index

Wholesale Sellers
DA September 28, 1979
USE Resellers

Wholesalers
DA September 28, 1979
USE Resellers

WHOLESOMENESS [01]
DA December 1, 1974
RT Food
RT Preservation

WICK-CHANDRASEKHAR METHOD [01]
DA December 1, 1974
BT1 Calculation Methods
RT Transport Theory

WICK METHOD [01]
DA December 1, 1974
RT Neutron Slowing-Down Theory
RT Slowing-Down

WICK THEOREM [01]
DA December 1, 1974
RT Many-Body Problem
RT Quantum Field Theory

WIDE GAP SPARK CHAMBERS [01]
DA December 1, 1974
BT1 Spark Chambers
BT2 Gas Track Detectors
BT3 Radiation Detectors
BT4 Measuring Instruments

WIDMANSTAETTEN STRUCTURE [01]
DA December 1, 1974
BT1 Microstructure
RT Phase Transformations

WIDOWS CREEK STEAM PLANT
DA August 4, 1976
BT1 Fossil-Fuel Power Plants
BT2 Thermal Power Plants
BT3 Power Plants
RT Tennessee Valley Authority

WIDTH [01]
(For dimensions only: see also LEVEL WIDTHS, LINE WIDTHS, and PARTICLE WIDTHS.)
DA December 1, 1974
BT1 Dimensions
RT Size

WIEDEMANN-FRANZ LAW [01]
DA December 1, 1974
RT Electric Conductivity
RT Thermal Conductivity

WIGGLER MAGNETS [01]
DA June 21, 1977
UF *Undulators*
BT1 Electromagnets
BT2 Electrical Equipment
BT3 Equipment
BT2 Magnets

WIGHTMAN FIELD THEORY [01]
DA December 1, 1974
BT1 Axiomatic Field Theory
BT2 Quantum Field Theory
BT3 Field Theories

WIGNER COEFFICIENTS [01]
DA December 1, 1974
UF *9J-Symbols*
RT Angular Momentum
RT Clebsch-Gordan Coefficients
RT Group Theory
RT Quantum Mechanics
RT Racah Coefficients

WIGNER DISTRIBUTION [01]
DA December 1, 1974
RT Thermodynamics

WIGNER EFFECT [01]
DA December 1, 1974
RT Graphite
RT Radiation Effects

WIGNER-EISENBUD THEORY [01]
DA December 1, 1974
RT Nuclear Potential

WIGNER FORCE [01]
DA December 1, 1974
BT1 Nuclear Forces

Wigner Method
DA December 1, 1974
USE Peierls Method

WIGNER SCATTERING [01]
DA December 1, 1974
BT1 Elastic Scattering
BT2 Scattering

WIGNER-SEITZ METHOD [01]
DA December 1, 1974
BT1 Calculation Methods
RT Band Theory

WIGNER THEORY [01]
DA December 1, 1974
RT Quantum Mechanics

WIGNER-WILKINS MODEL [01]
DA December 1, 1974
RT Slowing-Down

WILD ANIMALS [01]
DA December 1, 1974
BT1 Animals
RT Coyotes
RT Foxes
RT Grazing
RT Home Range
RT Rangelands

Wilderness Areas
DA August 8, 1978
USE Nature Reserves

WILDERNESS PROTECTION ACTS [01]
DA March 23, 1983
BT1 Laws
RT Environment
RT Land Use
RT Nature Reserves

WILKINS EQUATION [01]
DA December 1, 1974
BT1 Equations
RT Slowing-Down

WILKINSON THEORY [01]
DA December 1, 1974
RT Shell Models

William H. Zimmer-1 Reactor
DA December 1, 1974
USE Zimmer-1 Reactor

William H. Zimmer-2 Reactor
DA March 29, 1980
USE Zimmer-2 Reactor

Williams-Weizsaecker Approximation
DA April 7, 1975
USE Equivalent-Photon Approximation

WILLISTON BASIN [01]
DA February 21, 1986
RT Manitoba
RT Montana
RT North Dakota
RT Petroleum Deposits
RT Saskatchewan
RT South Dakota

WILLOWS [01]
DA May 8, 1984
BT1 Magnoliopsida
BT2 Magnoliophyta
BT3 Plants
BT1 Trees
BT2 Plants

WILPUTTE PROCESS
DA April 27, 1978
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes
RT Gas Generators
DEF This gasifier is used for the gasification of various types of coal by partial combustion with air or oxygen at atmospheric pressure. The gasifier shell is brick-lined and is equipped with a Chapman drum feeder and agitator assembly. Supported under the shell, riding on three sets of rollers and guided by rollers, is the Koller-type revolving grate and ash pan.

WILSON LOOP [01]
DA March 24, 1983
RT Feynman Path Integral
RT Lattice Field Theory
RT Order Parameters
RT Quantum Chromodynamics
RT Yang-Mills Theory

WILZBACH METHOD [01]
DA December 1, 1974
BT1 Labelling
RT Labelled Compounds

WINCHES [01]
DA December 1, 1974
BT1 Materials Handling Equipment
BT2 Equipment
RT Hoists
RT Materials Handling

WIND [01]
DA December 1, 1974
NT1 Tornadoes
RT Advection
RT Air
RT Atmospheric Circulation
RT Climates
RT Disasters
RT Dunes
RT Fallout
RT Hurricanes
RT Meteorology
RT Radioactive Clouds
RT Sails
RT Turbulence
RT Weather
RT Wind Loads

Wind Energy Conversion Systems
DA July 18, 1981
USE Wind Turbines

Wind Farms
DA August 22, 1985
USE Wind Turbine Arrays

Wind Generators
DA March 22, 1976
USE Electric Generators
AND Wind Turbines

WIND LOADS [01]
DA March 29, 1980
BT1 Dynamic Loads
RT Storms
RT Stresses
RT Wind

WIND POWER [01]
DA April 15, 1975
BT1 Power
BT1 Renewable Energy Sources
BT2 Energy Sources
RT Wind Turbines

WIND POWER INDUSTRY
DA July 18, 1981
BT1 Industry

WIND POWER PLANTS [01]
DA March 22, 1976
BT1 Power Plants
NT1 EFD Wind Generators
RT Wind Turbine Arrays
DEF Wind turbines supplying electric power to a grid.

WIND-POWERED PUMPS [01]
(Wind-mechanical pumps only; for wind-electric pumps use WIND TURBINES and PUMPS.)
DA September 11, 1978
BT1 Pumps
RT Wind Turbines

WIND TUNNELS [01]
DA December 1, 1974
BT1 Tunnels
BT2 Underground Facilities
RT Aerodynamics
RT Supersonic Flow

WIND TURBINE ARRAYS [01]
DA August 22, 1985
UF *Wind Farms*
RT Wind Power Plants

WIND TURBINES [01]
DA April 8, 1975
UF *WECS*
UF *Wind Energy Conversion Systems*
UF+ *Wind Generators*
BT1 Turbines
BT2 Turbomachinery
BT3 Machinery
BT4 Equipment
NT1 Diffuser Augmented Turbines
NT1 Horizontal Axis Turbines
NT1 Vertical Axis Turbines
NT2 Giromill Turbines
NT2 Tornado Turbines
NT1 Vortex Augmented Turbines
RT Solar Chimneys
RT Tilt Mechanisms
RT Tipvane Rotors
RT Troposkien Shape
RT Water Brakes
RT Wind Power
RT Wind-Powered Pumps

WINDFALL PROFITS TAX
DA December 10, 1979
BT1 Taxes
RT Petroleum Industry
RT Profits
RT US Economic Recovery Tax Act

WINDING MACHINES [01]
(Not to be used for HOISTS.)
DA May 2, 1979
BT1 Equipment
RT Electric Coils
RT Magnet Coils
DEF Equipment for winding coils.

WINDOWS [01]
DA December 1, 1974
BT1 Openings
NT1 Storm Windows
RT Bead Walls
RT Buildings
RT Curtains
RT Daylighting
RT Double Glazing
RT Glazing
RT Glazing Materials
RT Heat Mirrors
RT Shutters
RT Skylights
RT Solar Control Films

Windscale Advanced Gas-Cooled Reactor
DA December 1, 1974
USE WAGR Reactor

WINDSCALE PRODUCTION REACTORS [01]
DA December 1, 1974
BT1 Air Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Graphite Moderated Reactors
BT2 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 Plutonium Production Reactors
BT2 Production Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

Windscale Reprocessing Plant
DA July 10, 1984
USE Sellafield Reprocessing Plant

Wine
DA December 1, 1974
USE Beverages

WINKLER PROCESS
DA January 27, 1975
RT SNG Processes
DEF Davy-Powergas Inc. process for producing intermediate- or high-Btu gas that utilizes a fluidized bed gasifier operating at 1500-1850°F and using oxygen and steam. Substitution of air for oxygen will produce low-Btu gas.

Winston Collectors
DA November 17, 1976
USE Compound Parabolic Concentrators

WIPP [01]
DA October 10, 1984
UF *Waste Isolation Pilot Plant*
BT1 Pilot Plants
BT2 Functional Models
BT1 Radioactive Waste Facilities
BT2 Nuclear Facilities
BT1 Underground Facilities
BT1 US DOE
BT2 US Organizations
BT3 National Organizations
RT Alpha-Bearing Wastes
RT High-Level Radioactive Wastes
RT New Mexico
RT Salt Deposits

WIRE SPARK CHAMBERS [01]
DA December 1, 1974
BT1 Filmless Spark Chambers
BT2 Spark Chambers
BT3 Gas Track Detectors
BT4 Radiation Detectors
BT5 Measuring Instruments
RT Multiwire Proportional Chambers

WIRES [01]
DA December 1, 1974
NT1 Exploding Wires
NT1 Superconducting Wires
RT Chains
RT Filaments
RT Rods
RT Ropes

Wires (Fuel)
DA December 1, 1974
USE Fuel Wires

WISCONSIN [01]
DA December 1, 1974
BT1 USA
BT2 Developed Countries
BT2 North America
RT Menominee River
RT Mississippi River

Wisconsin Public Service Power Reactor
DA December 1, 1974
USE Kewaunee Reactor

WITWATERSRAND [01]
DA December 1, 1974
BT1 Mountains
RT Transvaal

WKB APPROXIMATION [01]
DA December 1, 1974
UF *Wentzel-Kramers-Brillouin Approximation*
RT Scattering

WNP-1 REACTOR [01]
DA December 1, 1974
UF *WPPSS Nuclear Project No. 1*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
RT N-Reactor

WNP-2 REACTOR [01]
(Washington Public Power Supply System Nuclear Project Number 2, previously known as Hanford-2 Reactor.)
DA December 1, 1974
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
NT1 Hanford-2 Reactor

WNP-3 REACTOR [01]
DA January 28, 1975
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

WNP-4 REACTOR [01]
DA January 23, 1975
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

WNP-5 REACTOR [01]
DA January 28, 1975
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

WNRE [01]
DA May 15, 1975
UF *Whiteshell Nuclear Research Establishment*
BT1 Canadian Organizations
BT2 National Organizations

WNTR REACTOR [01]
DA March 4, 1980
UF *Westinghouse Nuclear Training Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Fast Reactors
BT2 Epithermal Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors
RT Reactor Simulators

WOLF CREEK-1 REACTOR [01]
(Coffey, Kansas, USA)
DA April 15, 1975
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

WOLF-RAYET STARS [01]
DA December 1, 1974
BT1 Main Sequence Stars
BT2 Stars

WOLFENSTEIN PARAMETERS [01]
DA December 1, 1974
RT Interactions
RT Nucleons

Wolfram
DA December 1, 1974
USE Tungsten

WOLFRAMITE [01]
DA December 1, 1974
BT1 Oxide Minerals
BT2 Minerals
RT Iron Oxides
RT Tungsten Oxides

Wolframophosphoric Acid
DA December 1, 1974
USE Tungstophosphoric Acid

WOLSUNG-1 REACTOR [01]
DA March 3, 1978
BT1 Candu Type Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT2 Pressure Tube Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 PHWR Type Reactors
BT2 Heavy Water Cooled Reactors
BT3 Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors

→**WOLSUNG-2 REACTOR [01]**
DA January 24, 1992
BT1 Candu Type Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors
BT2 Pressure Tube Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 PHWR Type Reactors
BT2 Heavy Water Cooled Reactors
BT3 Reactors
BT2 Heavy Water Moderated Reactors
BT3 Reactors

WOLVES [01]
DA July 18, 1979
BT1 Mammals
BT2 Vertebrates
BT3 Animals
RT Coyotes
RT Dogs
RT Foxes

WOMEN [01]
DA December 1, 1974
BT1 Females
BT1 Man
BT2 Primates
BT3 Mammals
BT4 Vertebrates
BT5 Animals
RT Adults
RT Gynecology
RT US Affirmative Action Program

WOOD [01]
DA December 1, 1974
NT1 Lightwood
RT Biomass
RT Cork
RT Creosote

RT Delignification
RT Fuels
RT Harvesting
RT Hemicellulose
RT Lignin
RT Paper Industry
RT Solid Fuels
RT Trees
RT Uronic Acids
RT Wood Products Industry
RT Wood-Fuel Power Plants
RT Wood-Plastic Composites
RT Xylans
RT Xylose

Wood Alcohol
DA December 1, 1974
USE Methanol

WOOD BURNING APPLIANCES [01]
DA August 7, 1979
UF+ *Wood Stoves*
BT1 Appliances
BT2 Equipment
NT1 Wood Burning Furnaces
RT Creosote
RT Ovens
RT Stoves

WOOD BURNING FURNACES
DA June 21, 1977
BT1 Furnaces
BT1 Wood Burning Appliances
BT2 Appliances
BT3 Equipment
RT Space Heating

WOOD-FUEL POWER PLANTS [01]
DA February 11, 1980
BT1 Thermal Power Plants
BT2 Power Plants
RT Wood
RT Wood Fuels

WOOD FUELS [01]
(Use of this term is limited to policy, feasibility, and socio-economic studies. For wood properties use WOOD.)
DA January 27, 1981
UF *Firewood*
UF *Fuelwood*
BT1 Energy Sources
BT1 Fuels
RT Biomass
RT Charcoal
RT Trees
RT Wood-Fuel Power Plants

WOOD METAL
DA December 1, 1974
BT1 Alloy-Bi50Pb25Cd12Sn12
BT2 Bismuth Base Alloys
BT3 Bismuth Alloys
BT4 Alloys
BT2 Cadmium Alloys
BT3 Alloys
BT2 Lead Alloys
BT3 Alloys
BT2 Tin Alloys
BT3 Alloys
BT1 Bismuth Base Alloys
BT2 Bismuth Alloys
BT3 Alloys
BT1 Cadmium Alloys
BT2 Alloys
BT1 Lead Alloys
BT2 Alloys
BT1 Tin Alloys
BT2 Alloys

WOOD OILS
DA September 21, 1984
BT1 Oils
BT2 Other Organic Compounds
BT3 Organic Compounds
RT Synthetic Fuels

WOOD-PLASTIC COMPOSITES [01]
DA December 1, 1974
BT1 Composite Materials
BT2 Materials
RT Irradiation
RT Organic Polymers
RT Wood

WOOD PRODUCTS INDUSTRY [01]
DA October 30, 1978
UF *Lumber Industry*
BT1 Industry
NT1 Paper Industry
RT Forestry
RT Furniture Industry
RT Harvesting Equipment
RT Printing and Publishing Industry
RT Wood
DEF Industry producing lumber, plywood, particle board, etc.

Wood Stoves
DA January 20, 1993
USE Stoves
AND Wood Burning Appliances

WOOD WASTES [01]
DA October 1, 1975
UF *Hog Fuel*
BT1 Solid Wastes
BT2 Wastes
RT Bark

WOODALL-DUCKHAM PROCESS
DA August 24, 1977
BT1 Coal Gasification
BT2 Gasification
BT3 Thermochemical Processes
RT Low BTU Gas
DEF A two stage fixed bed process with volatile matter removed at low temperature in the first stage and semicoke or char gasified at higher temperatures in the second stage to produce a low Btu gas.

WOODS-SAXON POTENTIAL [01]
DA December 1, 1974
UF *Saxon-Woods Potential*
BT1 Nuclear Potential
BT2 Potentials
RT Optical Models

WOOL [01]
DA December 1, 1974
RT Fibers
RT Textiles

Wool Fat
DA December 1, 1974
USE Lanolin

Worcester Polytechnic Institute Pool Reactor
DA December 1, 1974
USE WPIR Reactor

WORK [01]
DA December 1, 1974
RT Automation
RT Employment
RT ILO
RT Labor
RT Occupations
RT Personnel
RT Professional Personnel
RT Remote Handling
RT Wages
RT Working Conditions
RT Working Days

WORK FUNCTIONS [01]
DA December 1, 1974
BT1 Functions
RT Binding Energy
RT Electron Emission
RT Electron Tubes
RT Energy
RT Metals
RT Surface Potential

Work Hardening
DA December 1, 1974
USE Strain Hardening

Work Softening
DA January 30, 1975
USE Strain Softening

Workers
DA December 1, 1974
USE Personnel

Working (Materials)
DA December 1, 1974
USE Materials Working

WORKING CONDITIONS [01]
DA December 1, 1974
RT Air Conditioning
RT ALARA
RT Human Factors Engineering
RT ICRP Critical Group
RT Industrial Medicine
RT Labor Relations
RT Occupational Diseases
RT Occupational Safety
RT Quality of Life
RT Radiation Protection
RT Safety
RT US Occupational Safety and Health Act
RT Work
RT Working Days

→**WORKING DAYS**
(Prior to December 1991 this was a valid descriptor. From December 1991 to August 1993 this concept was indexed to ALTERNATIVE WORK SCHEDULES or WORKING CONDITIONS.)
DA August 31, 1993
RT Alternative Work Schedules
RT Employment
RT Personnel
RT Work
RT Working Conditions

WORKING FACES
DA May 23, 1980
RT Geologic Deposits
RT Mining

WORKING FLUIDS [01]
DA January 27, 1975
BT1 Fluids
NT1 Hydraulic Fluids
NT1 Refrigerants
RT Antifreeze
RT Energy Conversion
RT Freeze Protection
RT Heat Exchangers
RT Heat Transfer Fluids
RT Hydrodynamics
RT Turbines

WORKMENS COMPENSATION [01]
DA December 1, 1974
UF *Compensation (Workmens)*
RT Accidents
RT Civil Liability
RT Financial Security
RT Hazards
RT Legal Aspects
RT Victims Compensation

World
DA August 25, 1980
SEE Earth Planet
OR Global Aspects

World Energy Data System
DA January 24, 1980
USE WENDS

World Health Organization
DA December 1, 1974
USE WHO

World-Wide Fallout
DA December 1, 1974
USE Global Fallout

Worms (Flat)
DA December 1, 1974
USE Platyhelminths

Worms (Round)
DA December 1, 1974
USE Nematodes

Worms (Segmented)
DA December 1, 1974
USE Annelids

WOUNDS [01]
DA December 1, 1974
BT1 Injuries
RT Healing
RT Necrosis
RT Skin

WPIR REACTOR [01]
(Worcester Polytechnic Institute, Worcester, Massachusetts, USA.)
DA December 1, 1974
UF *Worcester Polytechnic Institute Pool Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors

WPPSS Nuclear Project No. 1
DA December 1, 1974
USE WNP-1 Reactor

WR-1 REACTOR [01]
DA December 1, 1974
UF *Whiteshell-1 Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Materials Testing Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Organic Cooled Reactors
BT2 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

WRRR REACTOR [01]
DA December 1, 1974
UF *Walter Reed Research Reactor L-54*
BT1 Aqueous Homogeneous Reactors
BT2 Liquid Homogeneous Reactors
BT3 Fluid Fueled Reactors
BT4 Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

WSUR REACTOR [01]
DA December 1, 1974
UF *Pullman Washington State University Reactor*
UF *RSCW Reactor*
UF *RWSU Reactor*
UF *Washington State University Reactor*
BT1 Pool Type Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Pulsed Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 TRIGA Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Hydride Moderated Reactors
BT3 Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT2 Solid Homogeneous Reactors
BT3 Homogeneous Reactors
BT4 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

WT-3 TOKAMAK [01]
(Kyoto University, Kyoto, Japan.)
DA January 3, 1990
BT1 Tokamak Devices
BT2 Closed Plasma Devices
BT3 Thermonuclear Devices

WTR REACTOR [01]
(Westinghouse Electric Corporation, Madison, Pennsylvania, USA.)
DA December 1, 1974
UF *Westinghouse Testing Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors

Wuerenlingen Proteus Reactor
DA December 1, 1974
USE Proteus Reactor

WUERGASSEN REACTOR [01]
(Wuergassen, Niedersachsen, Federal Republic of Germany)
DA December 1, 1974
UF *Kernkraftwerk Wuergassen*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

WULFENITE [01]
DA December 1, 1974
BT1 Oxide Minerals
BT2 Minerals
RT Lead Oxides
RT Molybdenum Oxides

WUP-1 Reactor
DA January 28, 1975
USE Haven-1 Reactor

WUP-2 Reactor
DA January 28, 1975
USE Haven-2 Reactor

WUP-3 REACTOR [01]
(Standardized plant of the Wisconsin Utilities Project.)
DA January 24, 1975
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

WUP-4 REACTOR [01]
(Standardized plant of the Wisconsin Utilities Project.)
DA January 24, 1975
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

WUP-5 REACTOR [01]
(Standardized plant of the Wisconsin Utilities Project.)
DA January 24, 1975
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

WUP-6 REACTOR [01]
(Standardized plant of the Wisconsin Utilities Project.)
DA January 24, 1975
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

WWER-1 REACTOR [01]
DA December 1, 1974
UF *Novo Voronezh-1 Reactor*
UF *WWER-210 Reactor*
BT1 WWER Type Reactors
BT2 PWR Type Reactors
BT3 Enriched Uranium Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors
BT3 Thermal Reactors
BT4 Reactors
BT3 Water Cooled Reactors
BT4 Reactors
BT3 Water Moderated Reactors
BT4 Reactors

WWER-2 REACTOR [01]
DA December 1, 1974
UF *Novo Voronezh-2 Reactor*
UF *WWER-365 Reactor*
BT1 WWER Type Reactors
BT2 PWR Type Reactors
BT3 Enriched Uranium Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors
BT3 Thermal Reactors
BT4 Reactors

BT3 Water Cooled Reactors
BT4 Reactors
BT3 Water Moderated Reactors
BT4 Reactors

WWER-3 REACTOR [01]
DA December 1, 1974
UF *Novo Voronezh-3 Reactor*
UF *WWER-440 Reactor*
BT1 WWER Type Reactors
BT2 PWR Type Reactors
BT3 Enriched Uranium Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors
BT3 Thermal Reactors
BT4 Reactors
BT3 Water Cooled Reactors
BT4 Reactors
BT3 Water Moderated Reactors
BT4 Reactors

WWER-4 REACTOR [01]
DA December 1, 1974
UF *Novo Voronezh-4 Reactor*
BT1 WWER Type Reactors
BT2 PWR Type Reactors
BT3 Enriched Uranium Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors
BT3 Thermal Reactors
BT4 Reactors
BT3 Water Cooled Reactors
BT4 Reactors
BT3 Water Moderated Reactors
BT4 Reactors

WWER-5 REACTOR [01]
DA December 1, 1974
UF *Novo Voronezh-5 Reactor*
UF *WWER-500 Reactor*
UF *WWER-1000 Reactor*
BT1 WWER Type Reactors
BT2 PWR Type Reactors
BT3 Enriched Uranium Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors
BT3 Thermal Reactors
BT4 Reactors
BT3 Water Cooled Reactors
BT4 Reactors
BT3 Water Moderated Reactors
BT4 Reactors

WWER-210 Reactor
DA September 20, 1984
USE WWER-1 Reactor

WWER-365 Reactor
DA September 20, 1984
USE WWER-2 Reactor

WWER-440 Reactor
DA September 20, 1984
USE WWER-3 Reactor

WWER-500 Reactor
DA December 1, 1974
USE WWER-5 Reactor

WWER-1000 Reactor
DA September 20, 1984
USE WWER-5 Reactor

WWER TYPE REACTORS [01]
DA December 1, 1974
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
NT1 Armenian-1 Reactor
NT1 Armenian-2 Reactor
NT1 Balakovo-1 Reactor
NT1 Balakovo-2 Reactor
NT1 Blahutovice-1 Reactor
NT1 Bohunice V-2 Reactor
NT1 Greifswald-1 Reactor
NT1 Greifswald-2 Reactor
NT1 Greifswald-3 Reactor
NT1 Greifswald-4 Reactor
NT1 Greifswald-5 Reactor
NT1 Greifswald-6 Reactor
NT1 Juragua-1 Reactor
NT1 Kalinin-1 Reactor
NT1 Kalinin-3 Reactor
NT1 Kecerovce-1 Reactor
NT1 Khmelnitskij-1 Reactor
NT1 Kola-1 Reactor
NT1 Kola-2 Reactor
NT1 Kola-3 Reactor
NT1 Kola-4 Reactor
NT1 Kozloduy-3 Reactor
NT1 Kozloduy-5 Reactor
NT1 Lovilsa-1 Reactor
NT1 Lovilsa-2 Reactor
NT1 Lovilsa Reactor
NT1 Mochovce-1 Reactor
NT1 PAKS-1 Reactor
NT1 PAKS-2 Reactor
NT1 PAKS-3 Reactor
NT1 PAKS-4 Reactor
NT1 Rovno-1 Reactor
NT1 Rovno-2 Reactor
NT1 Rovno-3 Reactor
NT1 Rovno-4 Reactor
NT1 Rovno-5 Reactor
NT1 South Ukrainian-1 Reactor
NT1 South Ukrainian-2 Reactor
NT1 South Ukrainian-3 Reactor
NT1 Stendal-1 Reactor
NT1 Tatarian Reactor
NT1 Temelin-1 Reactor
NT1 WWER-1 Reactor
NT1 WWER-2 Reactor
NT1 WWER-3 Reactor
NT1 WWER-4 Reactor
NT1 WWER-5 Reactor
NT1 Zaporozhe-1 Reactor
NT1 Zaporozhe-2 Reactor
NT1 Zaporozhe-3 Reactor
NT1 Zaporozhe-4 Reactor

WWR-2 REACTOR [01]
DA December 1, 1974
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 WWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Tank Type Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

WWR-K-ALMA-ATA REACTOR [01]
DA December 1, 1974
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 WWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Tank Type Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

WWR-M-KIEV REACTOR [01]
(Kiev, USSR.)
DA December 1, 1974
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Materials Testing Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 WWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Tank Type Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

WWR-M-LENINGRAD REACTOR [01]
(Leningrad, USSR.)
DA December 1, 1974
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Materials Testing Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 WWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Tank Type Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

WWR-S-BAGHDAD REACTOR
DA December 1, 1974
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Test Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 WWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Tank Type Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

WWR-S-BUCHAREST REACTOR [01]
(Magurele, Romania.)
DA December 1, 1974
UF *Romanian WWR-C Reactor*
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 WWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Tank Type Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

WWR-S-BUDAPEST REACTOR [01]
(Central Research Inst. for Physics, Hungarian Academy of Sciences, Budapest, Hungary.)
DA December 1, 1974
UF *Hungarian WWR-C Reactor*
UF *KFKI Reactor*
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Training Reactors

BT2 Research and Test Reactors
BT3 Reactors
BT1 WWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Tank Type Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

WWR-S-CAIRO REACTOR [01]
DA December 1, 1974
UF *ARE-RR-1 Reactor*
UF *United Arab Republic WWR-C Reactor*
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 WWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Tank Type Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

WWR-S-MOSCOW REACTOR [01]
(Moscow, USSR.)
DA December 1, 1974
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 WWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Tank Type Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

WWR-S-PRAGUE REACTOR [01]
(Nuclear Research Institute, Rez, Czechoslovakia.)
DA December 1, 1974
UF *Czech WWR-C Reactor*
UF *WWR-S-REZ Reactor*
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 WWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Tank Type Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

WWR-S-REZ Reactor
DA May 23, 1984
USE WWR-S-Prague Reactor

WWR-S-TASHKENT REACTOR [01]
(Tashkent, USSR.)
DA December 1, 1974
UF *Uzbek WWR-C Reactor*
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 WWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Tank Type Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

WWR-SM ROSSENDORF REACTOR [01]
DA May 6, 1975
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 WWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Tank Type Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

WWR TYPE REACTORS [01]
DA December 1, 1974
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors
NT1 Budapest Training Reactor
NT1 WWR-2 Reactor
NT1 WWR-K-Alma-Ata Reactor
NT1 WWR-M-Kiev Reactor
NT1 WWR-M-Leningrad Reactor
NT1 WWR-S-Baghdad Reactor
NT1 WWR-S-Bucharest Reactor
NT1 WWR-S-Budapest Reactor
NT1 WWR-S-Cairo Reactor
NT1 WWR-S-Moscow Reactor
NT1 WWR-S-Prague Reactor
NT1 WWR-S-Tashkent Reactor
NT1 WWR-SM Rossendorf Reactor
NT1 WWR-Z Reactor

WWR-Z REACTOR [01]
DA December 1, 1974
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 WWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Tank Type Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

WYHL-1 REACTOR [01]
DA December 16, 1975
UF *KWS-1 Wyhl Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

WYHL-2 REACTOR [01]
DA December 16, 1975
UF *KWS-2 Wyhl Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

Wylfa Nuclear Power Station
DA December 1, 1974
USE Wylfa Reactor

WYLFA REACTOR [01]
(Anglesey, Wales, UK)
DA December 1, 1974
UF *Wylfa Nuclear Power Station*
BT1 Carbon Dioxide Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Magnox Type Reactors
BT2 GCR Type Reactors
BT3 Gas Cooled Reactors
BT4 Reactors
BT3 Graphite Moderated Reactors
BT4 Reactors
BT2 Natural Uranium Reactors
BT3 Reactors
BT1 Power Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

WYOMING [01]
DA December 1, 1974
BT1 USA
BT2 Developed Countries
BT2 North America
NT1 Powder River Basin
NT1 Rock Springs Sites
NT1 Washakie Basin
RT Green River Formation
RT North Platte River Basin
RT Snake River Plain
RT US Naval Petroleum Reserves
RT Wasatch Formation
RT Western US Overthrust Belt
RT Yellowstone National Park

X-10 REACTOR [01]
DA December 1, 1974
UF *ORNL X-10 Area Graphite Reactor*
BT1 Air Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Graphite Moderated Reactors
BT2 Reactors
BT1 Isotope Production Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors

X 40 (Alloy)
DA December 17, 1979
USE Alloy-HS-31

X-1700 MESONS [01]
DA February 1, 1988
BT1 Mesons
BT2 Bosons
BT2 Hadrons
BT3 Elementary Particles

X-1935 MESONS [01]
(Prior to February 1988 this concept was indexed by S-1930 RESONANCES.)
DA February 1, 1988
UF *S-1930 Resonances*
BT1 Mesons
BT2 Bosons
BT2 Hadrons
BT3 Elementary Particles

X-2220 MESONS [01]
DA February 1, 1988
UF *X-2220 Resonances*
BT1 Mesons

BT2 Bosons
BT2 Hadrons
BT3 Elementary Particles

X-2220 Resonances
(Prior to August 1988 this was a valid descriptor.)
DA June 9, 1987
USE X-2220 Mesons

X-2830 Resonances
(Prior to March 1988 this was a valid descriptor.)
DA November 28, 1977
USE Mesons

X-3075 MESONS [01]
DA June 24, 1988
BT1 Mesons
BT2 Bosons
BT2 Hadrons
BT3 Elementary Particles

X CENTERS
DA January 23, 1975
BT1 Color Centers
BT2 Vacancies
BT3 Point Defects
BT4 Crystal Defects
BT5 Crystal Structure

X CHROMOSOME [01]
(Prior to April 1980 this concept was indexed to HETEROCHROMOSOMES.)
DA March 31, 1980
UF *X-Chromosomes*
BT1 Heterochromosomes
BT2 Chromosomes
NT1 Human X Chromosome

X-Chromosomes
(Prior to April 1980 this was a valid term and the older material is so indexed.)
DA September 11, 1978
USE X Chromosome

X CODES [01]
DA December 1, 1974
BT1 Computer Codes

2X DEVICES [01]
DA December 1, 1974
BT1 Magnetic Mirrors
BT2 Open Plasma Devices
BT3 Thermonuclear Devices

X RADIATION [01]
DA December 1, 1974
BT1 Electromagnetic Radiation
BT2 Radiations
BT1 Ionizing Radiations
BT2 Radiations
NT1 Hard X Radiation
NT1 Soft X Radiation
RT Biomedical Radiography
RT Cosmic X-Ray Bursts
RT Cosmic X-Ray Sources
RT Fluoroscopy
RT Gamma Radiation
RT Photons
RT Solar X-Ray Bursts
RT Television
RT X-Ray Fluorescence Analysis
RT X-Ray Spectroscopy

X-Rasers
DA March 8, 1978
USE X-Ray Lasers

X-RAY DETECTION [01]
DA December 1, 1974
UF *Photon Detection (X-Ray)*
BT1 Radiation Detection
BT2 Detection
RT X-Ray Dosimetry
RT X-Ray Spectrometers

X-RAY DIFFRACTION [01]
DA December 1, 1974
UF *Diffraction (X-Ray)*
BT1 Diffraction
BT2 Coherent Scattering
BT3 Scattering
RT Bragg Reflection
RT Crystallography
RT Debye-Scherrer Method
RT Laue Method
RT Structural Chemical Analysis
RT X-Ray Diffractometers

X-RAY DIFFRACTOMETERS [01]
DA May 13, 1975
BT1 Diffractometers
BT2 Measuring Instruments
RT Crystallography
RT Diffraction Methods
RT Gamma Diffractometers
RT Structural Chemical Analysis
RT X-Ray Diffraction

X-RAY DOSIMETRY [01]
DA December 1, 1974
BT1 Dosimetry
RT X-Ray Detection

X-RAY EMISSION ANALYSIS [01]
DA April 7, 1975
UF *Particle-induced X-Ray Emission Analysis*
BT1 Nondestructive Analysis
BT2 Chemical Analysis
NT1 PIXE Analysis
NT1 X-Ray Fluorescence Analysis
RT Electron Probes
RT Quantitative Chemical Analysis
RT X-Ray Spectroscopy

X-RAY EQUIPMENT [01]
DA December 1, 1974
BT1 Equipment
NT1 X-Ray Sources
NT1 X-Ray Tubes
RT Biomedical Radiography
RT Diagnostic Techniques
RT Diffraction Gratings
RT Electronic Equipment

X-RAY FLUORESCENCE ANALYSIS [01]
DA December 1, 1974
BT1 X-Ray Emission Analysis
BT2 Nondestructive Analysis
BT3 Chemical Analysis
RT Fluorescence
RT Fluorescence Spectroscopy
RT Quantitative Chemical Analysis
RT X Radiation
RT X-Ray Fluorescence Analyzers
RT X-Ray Fluorescence Logging

X-RAY FLUORESCENCE ANALYZERS [01]
DA December 1, 1974
RT X-Ray Fluorescence Analysis

X-RAY FLUORESCENCE LOGGING [01]
DA March 4, 1977
BT1 Radioactivity Logging
BT2 Well Logging
RT X-Ray Fluorescence Analysis

X-RAY GALAXIES [01]
DA August 24, 1976
BT1 Cosmic X-Ray Sources
BT2 Cosmic Ray Sources
BT1 Galaxies
RT Cosmic Photons
RT Cosmic Radiation
DEF Galaxies that emit most of their radiative power in the form of x-rays.

X-RAY LASERS [01]
DA March 8, 1978
UF *X-Rasers*
BT1 Lasers

X-RAY RADIOGRAPHY [01]
DA December 1, 1974
BT1 Industrial Radiography
RT Biomedical Radiography

X-RAY SOURCES [01]
(For cosmic sources of x radiation use COSMIC X-RAY SOURCES.)
DA December 1, 1974
BT1 Radiation Sources
BT1 X-Ray Equipment
BT2 Equipment
RT Advanced Light Source
RT Advanced Photon Source
RT NSLS
RT Synchrotron Radiation Sources

X-RAY SPECTRA [01]
DA December 1, 1974
BT1 Spectra
RT X-Ray Spectroscopy

X-RAY SPECTROMETERS [01]
DA December 1, 1974
BT1 Spectrometers
BT2 Measuring Instruments
RT X-Ray Detection

X-RAY SPECTROSCOPY [01]
DA December 1, 1974
BT1 Spectroscopy
RT Radiometric Surveys
RT X Radiation
RT X-Ray Emission Analysis
RT X-Ray Spectra

X-Ray Transmission Scanning
DA May 15, 1975
USE Photon Transmission Scanning

X-RAY TUBES [01]
DA December 1, 1974
BT1 Electron Tubes
BT1 X-Ray Equipment
BT2 Equipment

X-Zero Resonances
DA December 1, 1974
USE Eta Prime-958 Mesons

XANTHATES [01]
DA December 1, 1974
BT1 Organic Sulfur Compounds
BT2 Organic Compounds
NT1 Viscose

XANTHINES [01]
DA December 1, 1974
BT1 Organic Oxygen Compounds
BT2 Organic Compounds
BT1 Purines
BT2 Azaarenes
BT3 Aromatics
BT4 Organic Compounds
BT3 Heterocyclic Compounds
BT4 Organic Compounds
BT3 Organic Nitrogen Compounds
BT4 Organic Compounds
NT1 Caffeine
NT1 Theobromine
NT1 Theophylline
NT1 Uric Acid
RT Hypoxanthine

XANTHUM GUM
DA May 21, 1983
BT1 Polysaccharides
BT2 Saccharides
BT3 Carbohydrates
BT4 Organic Compounds
DEF Biopolymer produced by Xanthomonas campestris.

XC-224
DA January 30, 1979
USE Mar-M509 Alloys

XC-224Fe
DA January 30, 1979
USE Mar-M509 Alloys

XDS COMPUTERS [01]
(Xerox Data Systems.)
DA January 30, 1979
BT1 Computers

XE-2 REACTOR
DA April 8, 1975
UF *Ground Experimental Engine Experiment-2*
BT1 Experimental Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Space Propulsion Reactors
BT2 Propulsion Reactors
BT3 Reactors
BT2 Space Power Reactors
BT3 Mobile Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors
RT Hydrogen Cooled Reactors
RT NERVA Reactor

XE-PRIME REACTOR [01]
DA December 1, 1974
UF *Ground Experimental Engine Experiment*
BT1 Experimental Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Hydrogen Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Propulsion Reactors
BT2 Reactors

XENOBIOTICS [01]
DA March 16, 1981
RT Additives
RT Detergents
RT Drugs
RT Nutrients
RT Organic Polymers

XENON [01]
DA December 1, 1974
BT1 Rare Gases
BT2 Gases
BT3 Fluids
BT2 Nonmetals
BT3 Elements
RT Xenon Oscillations

XENON 110 [01]
DA September 8, 1981
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Xenon Isotopes
BT2 Isotopes

XENON 111 [01]
DA May 6, 1980
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Xenon Isotopes
BT2 Isotopes

XENON 112 [01]
DA May 25, 1979
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Xenon Isotopes
BT2 Isotopes

XENON 113 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Xenon Isotopes
BT2 Isotopes

XENON 114 [01]
DA May 1, 1978
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Xenon Isotopes
BT2 Isotopes

XENON 115 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Xenon Isotopes
BT2 Isotopes

XENON 116 [01]
DA May 15, 1975
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Xenon Isotopes
BT2 Isotopes

XENON 117 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Xenon Isotopes
BT2 Isotopes

XENON 118 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Xenon Isotopes
BT2 Isotopes

XENON 119 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Xenon Isotopes
BT2 Isotopes

XENON 120 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Xenon Isotopes
BT2 Isotopes

XENON 121 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes

BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Xenon Isotopes
BT2 Isotopes

XENON 122 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Xenon Isotopes
BT2 Isotopes

XENON 123 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Xenon Isotopes
BT2 Isotopes

XENON 123 TARGET [01]
DA July 12, 1976
BT1 Targets

XENON 124 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
BT1 Xenon Isotopes
BT2 Isotopes

XENON 124 TARGET [01]
DA July 12, 1976
BT1 Targets

XENON 125 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Xenon Isotopes
BT2 Isotopes

XENON 125 TARGET [01]
DA September 11, 1978
BT1 Targets

XENON 126 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
BT1 Xenon Isotopes
BT2 Isotopes

XENON 126 TARGET [01]
DA July 12, 1976
BT1 Targets

XENON 127 [01]
DA December 1, 1974
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Xenon Isotopes
BT2 Isotopes

XENON 127 TARGET [01]
DA March 28, 1979
BT1 Targets

XENON 128 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
BT1 Xenon Isotopes
BT2 Isotopes

XENON 128 TARGET [01]
DA July 9, 1976
BT1 Targets

XENON 129 [01]
DA December 1, 1974
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Stable Isotopes
BT2 Isotopes
BT1 Xenon Isotopes
BT2 Isotopes

XENON 129 BEAMS [01]
DA November 1, 1976
BT1 Ion Beams
BT2 Beams

XENON 129 REACTIONS [01]
DA November 1, 1976
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

XENON 129 TARGET [01]
DA June 29, 1984
BT1 Targets

XENON 130 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
BT1 Xenon Isotopes
BT2 Isotopes

XENON 130 TARGET [01]
DA July 9, 1976
BT1 Targets

XENON 131 [01]
DA December 1, 1974
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Stable Isotopes
BT2 Isotopes
BT1 Xenon Isotopes
BT2 Isotopes

XENON 131 BEAMS [01]
DA April 13, 1977
BT1 Ion Beams
BT2 Beams

XENON 131 TARGET [01]
DA June 2, 1977
BT1 Targets

XENON 132 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
BT1 Xenon Isotopes
BT2 Isotopes

XENON 132 BEAMS [01]
DA February 23, 1979
BT1 Ion Beams
BT2 Beams

XENON 132 REACTIONS [01]
DA April 13, 1977
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

XENON 132 TARGET [01]
DA July 9, 1976
BT1 Targets

XENON 133 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Xenon Isotopes
BT2 Isotopes

XENON 134 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
BT1 Xenon Isotopes
BT2 Isotopes

XENON 134 REACTIONS [01]
DA September 15, 1983
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

XENON 134 TARGET [01]
DA July 9, 1976
BT1 Targets

XENON 135 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Xenon Isotopes
BT2 Isotopes

XENON 136 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
BT1 Xenon Isotopes
BT2 Isotopes
RT Xenon 136 Beams

XENON 136 BEAMS [01]
DA December 1, 1974
BT1 Ion Beams
BT2 Beams
RT Xenon 136

XENON 136 REACTIONS [01]
DA December 1, 1974
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

XENON 136 TARGET [01]
DA July 9, 1976
BT1 Targets

XENON 137 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Xenon Isotopes
BT2 Isotopes

XENON 138 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Xenon Isotopes
BT2 Isotopes

XENON 139 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Xenon Isotopes
BT2 Isotopes

XENON 140 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Xenon Isotopes
BT2 Isotopes

XENON 141 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Xenon Isotopes
BT2 Isotopes

XENON 142 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Xenon Isotopes
BT2 Isotopes

XENON 143 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Xenon Isotopes
BT2 Isotopes

XENON 144 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Xenon Isotopes
BT2 Isotopes

XENON 145 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Xenon Isotopes
BT2 Isotopes

XENON 146 [01]
DA March 25, 1976
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Xenon Isotopes
BT2 Isotopes

XENON BROMIDES [01]
DA December 1, 1974
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Xenon Compounds
BT2 Rare Gas Compounds

XENON CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds

BT1 Xenon Compounds
BT2 Rare Gas Compounds

XENON COMPLEXES [01]
DA December 1, 1974
BT1 Complexes

XENON COMPOUNDS [01]
DA December 1, 1974
BT1 Rare Gas Compounds
NT1 Xenon Bromides
NT1 Xenon Chlorides
NT1 Xenon Fluorides
NT1 Xenon Hydrides
NT1 Xenon Hydroxides
NT1 Xenon Iodides
NT1 Xenon Oxides
NT1 Xenon Phosphates

Xenon Effect
DA December 1, 1974
USE Xenon Oscillations

XENON FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Xenon Compounds
BT2 Rare Gas Compounds

XENON HYDRIDES [01]
DA December 1, 1974
BT1 Hydrides
BT2 Hydrogen Compounds
BT1 Xenon Compounds
BT2 Rare Gas Compounds

XENON HYDROXIDES [01]
DA December 1, 1974
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds
BT1 Xenon Compounds
BT2 Rare Gas Compounds

XENON IODIDES [01]
DA October 23, 1978
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds
BT1 Xenon Compounds
BT2 Rare Gas Compounds

XENON IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

XENON ISOTOPES [01]
DA December 1, 1974
BT1 Isotopes
NT1 Xenon 110
NT1 Xenon 111
NT1 Xenon 112
NT1 Xenon 113
NT1 Xenon 114
NT1 Xenon 115
NT1 Xenon 116
NT1 Xenon 117
NT1 Xenon 118
NT1 Xenon 119
NT1 Xenon 120
NT1 Xenon 121
NT1 Xenon 122
NT1 Xenon 123
NT1 Xenon 124
NT1 Xenon 125
NT1 Xenon 126
NT1 Xenon 127
NT1 Xenon 128
NT1 Xenon 129
NT1 Xenon 130
NT1 Xenon 131
NT1 Xenon 132
NT1 Xenon 133
NT1 Xenon 134
NT1 Xenon 135
NT1 Xenon 136
NT1 Xenon 137
NT1 Xenon 138
NT1 Xenon 139
NT1 Xenon 140
NT1 Xenon 141
NT1 Xenon 142
NT1 Xenon 143
NT1 Xenon 144
NT1 Xenon 145
NT1 Xenon 146

XENON OSCILLATIONS [01]
DA February 20, 1975
UF *Xenon Effect*
BT1 Poisoning
RT Nuclear Poisons
RT Oscillations
RT Reactor Poison Removal
RT Xenon
DEF Effects of fission-product xenon levels on reactor operation.

XENON OXIDES [01]
DA December 1, 1974
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds
BT1 Xenon Compounds
BT2 Rare Gas Compounds

XENON PHOSPHATES [01]
DA December 1, 1974
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds
BT1 Xenon Compounds
BT2 Rare Gas Compounds

XENOTIME [01]
DA December 1, 1974
BT1 Phosphate Minerals
BT2 Minerals
RT Granites
RT Pegmatites
RT Yttrium Phosphates

XERODERMA PIGMENTOSUM
DA January 23, 1978
BT1 Congenital Diseases
BT2 Diseases
BT1 Hereditary Diseases
BT2 Diseases
BT1 Skin Diseases
BT2 Diseases
RT Photochemical Reactions
RT XP Cells

XEROGRAPHY [01]
DA December 1, 1974
RT Electrostatics
RT Photography

XI-1530 BARYONS [01]
(Prior to March 1988 this concept was indexed by XI-1530 RESONANCES.)
DA March 7, 1988
UF *Xi-1530 Resonances*
BT1 Xi Baryons
BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles

Xi-1530 Resonances
(Prior to March 1988 this was a valid descriptor.)
DA December 1, 1974
USE Xi-1530 Baryons

XI-1630 BARYONS [01]
(Prior to March 1988 this concept was indexed by XI-1630 RESONANCES.)
DA March 7, 1988
UF *Xi-1630 Resonances*
BT1 Xi Baryons
BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles

Xi-1630 Resonances
(Prior to March 1988 this was a valid descriptor.)
DA January 23, 1975
USE Xi-1630 Baryons
DEF Baryon resonance of strangeness S=-2 and isospin I=1/2.

XI-1680 BARYONS [01]
DA March 7, 1988
BT1 Xi Baryons
BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles

XI-1820 BARYONS [01]
(Prior to March 1988 this concept was indexed by XI-1820 RESONANCES.)
DA March 7, 1988
UF *Xi-1820 Resonances*
BT1 Xi Baryons
BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles

Xi-1820 Resonances
(Prior to March 1988 this was a valid descriptor.)
DA December 1, 1974
USE Xi-1820 Baryons

Xi-1930 Resonances
(Prior to March 1988 this was a valid descriptor.)
DA December 1, 1974
USE Xi-1940 Baryons

XI-1940 BARYONS [01]
(Prior to March 1988 this concept was indexed by XI-1930 RESONANCES.)
DA March 7, 1988
UF *Xi-1930 Resonances*
BT1 Xi Baryons
BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles

XI-2030 BARYONS [01]
(Prior to March 1988 this concept was indexed by XI-2030 RESONANCES.)
DA March 7, 1988
UF *Xi-2030 Resonances*
BT1 Xi Baryons
BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles

Xi-2030 Resonances
(Prior to March 1988 this was a valid descriptor.)
DA January 23, 1975
USE Xi-2030 Baryons
DEF Baryon resonance of strangeness S=-2 and isospin I=1/2.

XI-2120 BARYONS [01]
DA March 7, 1988
BT1 Xi Baryons
BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles

XI-2250 BARYONS [01]
DA March 7, 1988
BT1 Xi Baryons
BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles

XI-2370 BARYONS [01]
DA March 7, 1988
BT1 Xi Baryons
BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles

XI-2500 BARYONS [01]
DA March 7, 1988
BT1 Xi Baryons
BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles

XI BARYONS [01]
DA March 7, 1988
BT1 Hyperons
BT2 Baryons
BT3 Fermions
BT3 Hadrons
BT4 Elementary Particles
BT2 Strange Particles
BT3 Elementary Particles
NT1 Xi Particles
NT2 Antixi Particles
NT2 Xi Minus Particles
NT2 Xi Neutral Particles
NT1 Xi-1530 Baryons
NT1 Xi-1630 Baryons
NT1 Xi-1680 Baryons
NT1 Xi-1820 Baryons
NT1 Xi-1940 Baryons
NT1 Xi-2030 Baryons
NT1 Xi-2120 Baryons
NT1 Xi-2250 Baryons
NT1 Xi-2370 Baryons
NT1 Xi-2500 Baryons

XI C PLUS BARYONS [01]
DA March 7, 1988
BT1 Charmed Baryons
BT2 Baryons
BT3 Fermions
BT3 Hadrons
BT4 Elementary Particles
BT2 Charm Particles
BT3 Elementary Particles

Xi-Minus
DA June 6, 1979
USE Xi Minus Particles

Xi Minus
(Prior to July 1988 this was a valid descriptor.)
DA December 1, 1974
USE Xi Minus Particles

XI MINUS PARTICLES [01]
(Prior to July 1988 this concept was indexed by XI MINUS.)
DA July 27, 1988
UF *Xi Minus*
UF *Xi-Minus*
BT1 Xi Particles
BT2 Xi Baryons
BT3 Hyperons
BT4 Baryons
BT5 Fermions
BT5 Hadrons
BT6 Elementary Particles
BT4 Strange Particles
BT5 Elementary Particles

Xi Neutral
(Prior to July 1988 this was a valid descriptor.)
DA December 1, 1974
USE Xi Neutral Particles

Xi-Neutral
DA June 6, 1979
USE Xi Neutral Particles

XI NEUTRAL PARTICLES [01]
(Prior to July 1988 this concept was indexed by XI NEUTRAL.)
DA July 27, 1988
UF *Xi Neutral*
UF *Xi-Neutral*
BT1 Xi Particles
BT2 Xi Baryons
BT3 Hyperons
BT4 Baryons
BT5 Fermions
BT5 Hadrons
BT6 Elementary Particles
BT4 Strange Particles
BT5 Elementary Particles

XI PARTICLE BEAMS [01]
DA December 1, 1974
BT1 Hyperon Beams
BT2 Particle Beams
BT3 Beams

XI PARTICLES [01]
DA December 1, 1974
BT1 Xi Baryons
BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles
NT1 Antixi Particles
NT1 Xi Minus Particles
NT1 Xi Neutral Particles

XMA-1 REACTOR
DA January 23, 1975
BT1 Air Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Aircraft Propulsion Reactors
BT2 Propulsion Reactors
BT3 Reactors
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Experimental Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Hydride Moderated Reactors
BT2 Reactors

XP CELLS [01]
DA September 15, 1976
BT1 Animal Cells
RT Xeroderma Pigmentosum

XUV
DA December 1, 1974
USE Extreme Ultraviolet Radiation

XYLANASE
DA January 12, 1981
UF *Xylanases*
BT1 O-Glycosyl Hydrolases
BT2 Glycosyl Hydrolases
BT3 Hydrolases
BT4 Enzymes
BT5 Proteins
BT6 Organic Compounds

Xylanases
(Prior to January 1981, this was a valid descriptor and older material is so indexed.)
DA March 28, 1979
USE Xylanase

XYLANS
DA April 12, 1979
BT1 Hemicellulose
BT2 Polysaccharides
BT3 Saccharides
BT4 Carbohydrates
BT5 Organic Compounds
RT Biomass
RT Lignin
RT Trees
RT Wood
DEF Major hemicellulose of hard woods.

XYLENE-PARA [01]
DA December 1, 1974
BT1 Xylenes
BT2 Alkylated Aromatics
BT3 Aromatics
BT4 Organic Compounds
BT2 Hydrocarbons
BT3 Organic Compounds

XYLENES [01]
DA December 1, 1974
UF *Dimethylbenzenes*
BT1 Alkylated Aromatics
BT2 Aromatics
BT3 Organic Compounds
BT1 Hydrocarbons
BT2 Organic Compounds
NT1 Xylene-Para

XYLENOL ORANGE [01]
DA December 1, 1974
BT1 Dyes
BT1 Indicators

XYLENOLS
DA January 23, 1975
UF *Dimethylphenols*
UF *Hydroxyxylenes*
BT1 Phenols
BT2 Aromatics
BT3 Organic Compounds
BT2 Hydroxy Compounds
BT3 Organic Compounds

XYLOSE [01]
DA December 1, 1974
BT1 Aldehydes
BT2 Organic Compounds
BT1 Pentoses
BT2 Monosaccharides
BT3 Saccharides
BT4 Carbohydrates
BT5 Organic Compounds
RT Wood

Y-12 PLANT [01]
DA December 1. 1974
BT1 US AEC
BT2 US Organizations
BT3 National Organizations
BT1 US DOE
BT2 US Organizations
BT3 National Organizations
BT1 US ERDA
BT2 US Organizations
BT3 National Organizations
RT Oak Ridge
RT Oak Ridge Reservation

Y CHROMOSOME [01]
(Prior to April 1980 this concept was indexed to HETEROCHROMOSOMES.)
DA March 29, 1980
BT1 Heterochromosomes
BT2 Chromosomes
NT1 Human Y Chromosome

Y CODES [01]
DA December 1, 1974
BT1 Computer Codes

*Y*Resonances*
(Prior to August 1988 this was a valid descriptor.)
DA December 1, 1974
USE Baryons

Yamaguchi Nonlocal Potential
DA December 1, 1974
USE Yamaguchi Potential

YAMAGUCHI POTENTIAL [01]
DA December 1, 1974
UF *Yamaguchi Nonlocal Potential*
BT1 Nucleon-Nucleon Potential
BT2 Potentials
RT Nucleons

YAMS [01]
DA December 1, 1974
BT1 Magnoliopsida
BT2 Magnoliophyta
BT3 Plants
BT1 Vegetables
BT2 Food
BT2 Plants
DEF Tuberous root of plants of the genus Dioscorea.

YANG-FELDMAN FORMALISM [01]
DA December 1, 1974
RT Quantum Field Theory
RT S Matrix

Yang-Lee Distribution
DA December 1, 1974
USE Lee-Yang Theory

YANG-MILLS THEORY [01]
DA December 1, 1974
RT Instantons
RT Isospin
RT Quantum Chromodynamics
RT Quantum Field Theory
RT Wilson Loop

YANG THEOREM [01]
DA December 1, 1974
RT Angular Distribution
RT Nuclear Reactions

YANGTZE RIVER [01]
DA August 12, 1980
BT1 Rivers
BT2 Streams
BT3 Surface Waters
RT China

Yankee Connecticut Reactor
DA December 1, 1974
USE Connecticut Yankee Reactor

YANKEE EVENT [01]
DA May 23, 1984
BT1 Atmospheric Explosions
BT2 Explosions
BT1 Castle Project
BT2 Nuclear Explosions
BT3 Explosions
RT Bikini

Yankee Maine Reactor
DA December 1, 1974
USE Maine Yankee Reactor

Yankee Rowe Reactor
DA December 1, 1974
USE Rowe Yankee Reactor

Yankee Vermont Reactor
DA December 1, 1974
USE Vermont Yankee Reactor

YAYOI REACTOR [01]
DA December 1, 1974
BT1 Fast Reactors
BT2 Epithermal Reactors
BT3 Reactors
BT1 Research and Test Reactors
BT2 Reactors

YEARS LIVING RADIOISOTOPES [01]
DA December 1, 1974
BT1 Radioisotopes
BT2 Isotopes
NT1 Actinium 227
NT1 Aluminium 26
NT1 Americium 241
NT1 Americium 242
NT1 Americium 243
NT1 Antimony 125
NT1 Argon 39
NT1 Argon 42
NT1 Barium 133
NT1 Berkelium 247
NT1 Beryllium 10
NT1 Bismuth 207
NT1 Bismuth 208
NT1 Bismuth 210
NT1 Cadmium 109
NT1 Cadmium 113
NT1 Calcium 41
NT1 Californium 249
NT1 Californium 250
NT1 Californium 251
NT1 Californium 252
NT1 Carbon 14
NT1 Cesium 134
NT1 Cesium 135
NT1 Cesium 137
NT1 Chlorine 36
NT1 Cobalt 60
NT1 Curium 243
NT1 Curium 244
NT1 Curium 245
NT1 Curium 246
NT1 Curium 247
NT1 Curium 248
NT1 Curium 250
NT1 Dysprosium 154
NT1 Einsteinium 252
NT1 Europium 150
NT1 Europium 152
NT1 Europium 154
NT1 Europium 155
NT1 Gadolinium 148
NT1 Gadolinium 150
NT1 Gadolinium 152
NT1 Hafnium 172
NT1 Hafnium 174
NT1 Hafnium 178
NT1 Hafnium 182
NT1 Half-Life
NT1 Holmium 163
NT1 Holmium 166
NT1 Indium 115
NT1 Iodine 129
NT1 Iridium 192
NT1 Iron 55
NT1 Iron 60
NT1 Krypton 81
NT1 Krypton 85
NT1 Lanthanum 137
NT1 Lanthanum 138
NT1 Lead 202
NT1 Lead 204
NT1 Lead 205
NT1 Lead 210
NT1 Lutetium 171
NT1 Lutetium 173
NT1 Lutetium 174
NT1 Lutetium 176
NT1 Manganese 53
NT1 Mercury 194
NT1 Molybdenum 93
NT1 Neodymium 144
NT1 Neptunium 235
NT1 Neptunium 236
NT1 Neptunium 237
NT1 Nickel 59
NT1 Nickel 63
NT1 Niobium 91
NT1 Niobium 92
NT1 Niobium 93
NT1 Niobium 94
NT1 Osmium 186
NT1 Osmium 194
NT1 Palladium 107
NT1 Platinum 190
NT1 Platinum 192
NT1 Platinum 193
NT1 Plutonium 236
NT1 Plutonium 238
NT1 Plutonium 239
NT1 Plutonium 240
NT1 Plutonium 241
NT1 Plutonium 242
NT1 Plutonium 244
NT1 Polonium 208
NT1 Polonium 209
NT1 Potassium 40
NT1 Promethium 144
NT1 Promethium 145
NT1 Promethium 146
NT1 Promethium 147
NT1 Protactinium 231
NT1 Radium 226
NT1 Radium 228
NT1 Rhenium 186
NT1 Rhenium 187
NT1 Rhodium 101
NT1 Rubidium 87
NT1 Ruthenium 106
NT1 Samarium 146
NT1 Samarium 147
NT1 Samarium 148
NT1 Samarium 151
NT1 Selenium 79
NT1 Silicon 32
NT1 Silver 108
NT1 Sodium 22
NT1 Strontium 90
NT1 Tantalum 179
NT1 Technetium 97
NT1 Technetium 98
NT1 Technetium 99
NT1 Tellurium 123
NT1 Terbium 157
NT1 Terbium 158
NT1 Thallium 204
NT1 Thorium 228
NT1 Thorium 229
NT1 Thorium 230
NT1 Thorium 232
NT1 Thulium 171
NT1 Tin 121
NT1 Tin 126
NT1 Titanium 44
NT1 Tritium
NT1 Uranium 232
NT1 Uranium 233
NT1 Uranium 234
NT1 Uranium 235
NT1 Uranium 236
NT1 Uranium 238
NT1 Vanadium 50
NT1 Zirconium 93
RT Lifetime

YEASTS [01]
DA December 1, 1974
BT1 Eumycota
BT2 Fungi
BT3 Plants
BT1 Microorganisms
NT1 Candida
NT1 Saccharomyces
NT2 Saccharomyces Cerevisiae
NT1 Torula
RT Pheromone
RT Zymosan

YEELIRRIE DEPOSIT [01]
DA January 9, 1981
BT1 Uranium Deposits
BT2 Geologic Deposits
BT2 Mineral Resources
BT3 Resources
RT Uranium Ores
RT Western Australia

Yellow Cake
DA April 13, 1977
USE Uranium Oxides U3O8

YELLOW CREEK [01]
DA May 5, 1975
BT1 Rivers
BT2 Streams
BT3 Surface Waters
RT Colorado
RT Yellow Creek Basin

YELLOW CREEK-1 REACTOR [01]
(Corinth, Mississippi, USA)
DA August 24, 1976
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors

BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

YELLOW CREEK-2 REACTOR [01]
(Corinth, Mississippi, USA)
DA August 24, 1976
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

YELLOW CREEK BASIN [01]
DA June 30, 1975
BT1 Watersheds
RT Colorado
RT Yellow Creek

YELLOWSTONE NATIONAL PARK [01]
DA January 23, 1975
SF *Parks*
BT1 Public Lands
RT Idaho
RT Montana
RT Old Faithful Geyser
RT Snake River Plain
RT Wyoming

→**YEMEN [01]**
DA November 19, 1991
UF *North Yemen*
UF *Peoples Democratic Republic of Yemen*
UF *South Yemen*
UF *Southern Yemen*
UF *Yemen, Southern*
UF *Yemen Arab Republic*
BT1 Arab Countries
BT1 Asia
BT1 Developing Countries
BT1 Middle East

Yemen, Southern
DA August 12, 1980
USE Yemen

Yemen Arab Republic
(Prior to November 1991 this was a valid descriptor.)
DA April 14, 1980
USE Yemen

Yerevan Synchrotron
DA December 1, 1974
USE Erevan Synchrotron

Yield (Biological)
DA December 1, 1974
USE Productivity

Yield (Chemical Reaction)
DA December 1, 1974
USE Chemical Reaction Yield

Yield (Fission)
DA December 1, 1974
USE Fission Yield

Yield (Fusion)
DA May 19, 1976
USE Fusion Yield

Yield (Nuclear Reaction)
DA December 1, 1974
USE Nuclear Reaction Yield

YIELD STRENGTH [01]
DA December 1, 1974
UF *Strength (Yield)*
BT1 Mechanical Properties
RT Tensile Properties

YIELDS [01]
(Use of a more specific descriptor is recommended.)
DA May 15, 1975
NT1 Chemical Reaction Yield
NT1 Energy Yield
NT1 Gas Yields
NT1 Nuclear Reaction Yield
NT2 Fission Yield
NT2 Fusion Yield
NT1 Oil Yields
RT Productivity

Yolk
DA December 1, 1974
USE Eggs

Yoshida Sarcoma
DA December 1, 1974
USE Experimental Neoplasms

YOSHIMORI-KITANO MODEL [01]
DA December 1, 1974
RT Transport Theory

YOUNG DIAGRAM [01]
DA December 1, 1974
BT1 Diagrams
RT Group Theory

YOUNG MODEL [01]
DA December 1, 1974
RT Transport Theory

YOUNG MODULUS [01]
DA December 1, 1974
BT1 Mechanical Properties
RT Elasticity
RT Hooke Law

YRAST STATES [01]
DA December 1, 1974
BT1 Energy Levels
RT Angular Momentum
RT Backbending
RT Moment of Inertia
RT Nuclear Structure
DEF The lowest energy states for given angular momenta.

YTTERBIUM [01]
DA December 1, 1974
BT1 Rare Earths
BT2 Metals
BT3 Elements

YTTERBIUM 150 [01]
DA May 7, 1985
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Ytterbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

YTTERBIUM 151 [01]
DA November 29, 1984
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Ytterbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

YTTERBIUM 152 [01]
DA September 5, 1980
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Ytterbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

YTTERBIUM 153 [01]
DA October 20, 1977
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Microsec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Ytterbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

YTTERBIUM 154 [01]
DA July 7, 1976
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Ytterbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

YTTERBIUM 155 [01]
DA September 12, 1975
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Ytterbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

YTTERBIUM 156 [01]
DA September 15, 1976
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Ytterbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

YTTERBIUM 157 [01]
DA January 23, 1975
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes

BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Ytterbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

YTTERBIUM 158 [01]
DA December 1, 1974
BT1 Alpha Decay Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Ytterbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

YTTERBIUM 159 [01]
DA December 1, 1974
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Ytterbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

YTTERBIUM 160 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Ytterbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

YTTERBIUM 161 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Ytterbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

YTTERBIUM 162 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Ytterbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

YTTERBIUM 163 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Ytterbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

YTTERBIUM 164 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Ytterbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

YTTERBIUM 165 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Ytterbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

YTTERBIUM 166 [01]
DA December 1, 1974
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Ytterbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

YTTERBIUM 167 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Ytterbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

YTTERBIUM 168 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
BT1 Ytterbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

YTTERBIUM 168 TARGET [01]
DA July 9, 1976
BT1 Targets

YTTERBIUM 169 [01]
DA December 1, 1974
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei

BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Ytterbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

YTTERBIUM 169 TARGET [01]
DA March 29, 1982
BT1 Targets

YTTERBIUM 170 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
BT1 Ytterbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

YTTERBIUM 170 TARGET [01]
DA July 9, 1976
BT1 Targets

YTTERBIUM 171 [01]
DA December 1, 1974
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
BT1 Ytterbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

YTTERBIUM 171 TARGET [01]
DA July 9, 1976
BT1 Targets

YTTERBIUM 172 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
BT1 Ytterbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

YTTERBIUM 172 TARGET [01]
DA July 9, 1976
BT1 Targets

YTTERBIUM 173 [01]
DA December 1, 1974
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
BT1 Ytterbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

YTTERBIUM 173 TARGET [01]
DA July 9, 1976
BT1 Targets

YTTERBIUM 174 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
BT1 Ytterbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

YTTERBIUM 174 TARGET [01]
DA July 9, 1976
BT1 Targets

YTTERBIUM 175 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Ytterbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

YTTERBIUM 176 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Stable Isotopes
BT2 Isotopes
BT1 Ytterbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

YTTERBIUM 176 TARGET [01]
DA July 9, 1976
BT1 Targets

YTTERBIUM 177 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Ytterbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

YTTERBIUM 178 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Ytterbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

YTTERBIUM 179 [01]
DA June 7, 1982
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Ytterbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

YTTERBIUM 180 [01]
DA October 2, 1987
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Ytterbium Isotopes
BT2 Rare Earth Isotopes
BT3 Isotopes

YTTERBIUM ADDITIONS [01]
DA December 1, 1974
BT1 Rare Earth Additions
BT2 Rare Earth Alloys
BT3 Alloys
BT1 Ytterbium Alloys
BT2 Rare Earth Alloys
BT3 Alloys

YTTERBIUM ALLOYS [01]
DA December 1, 1974
BT1 Rare Earth Alloys
BT2 Alloys
NT1 Ytterbium Additions
NT1 Ytterbium Base Alloys

YTTERBIUM BASE ALLOYS [01]
DA December 1, 1974
BT1 Ytterbium Alloys
BT2 Rare Earth Alloys
BT3 Alloys

YTTERBIUM BORIDES [01]
DA December 1, 1974
BT1 Borides
BT2 Boron Compounds
BT1 Ytterbium Compounds
BT2 Rare Earth Compounds

YTTERBIUM BROMIDES [01]
DA December 1, 1974
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Ytterbium Compounds
BT2 Rare Earth Compounds

YTTERBIUM CARBIDES [01]
DA December 1, 1974
BT1 Carbides
BT2 Carbon Compounds
BT1 Ytterbium Compounds
BT2 Rare Earth Compounds

YTTERBIUM CARBONATES [01]
DA December 1, 1974
BT1 Carbonates
BT2 Carbon Compounds
BT2 Oxygen Compounds
BT1 Ytterbium Compounds
BT2 Rare Earth Compounds

YTTERBIUM CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Ytterbium Compounds
BT2 Rare Earth Compounds

YTTERBIUM COMPLEXES [01]
DA December 1, 1974
BT1 Rare Earth Complexes
BT2 Complexes

YTTERBIUM COMPOUNDS [01]
DA December 1, 1974
BT1 Rare Earth Compounds
NT1 Ytterbium Borides
NT1 Ytterbium Bromides
NT1 Ytterbium Carbides
NT1 Ytterbium Carbonates
NT1 Ytterbium Chlorides
NT1 Ytterbium Fluorides
NT1 Ytterbium Hydrides
NT1 Ytterbium Hydroxides
NT1 Ytterbium Iodides
NT1 Ytterbium Nitrates
NT1 Ytterbium Nitrides
NT1 Ytterbium Oxides
NT1 Ytterbium Perchlorates
NT1 Ytterbium Phosphates
NT1 Ytterbium Phosphides
NT1 Ytterbium Selenides
NT1 Ytterbium Silicates
NT1 Ytterbium Silicides
NT1 Ytterbium Sulfates
NT1 Ytterbium Sulfides
NT1 Ytterbium Tellurides
NT1 Ytterbium Tungstates

YTTERBIUM FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Ytterbium Compounds
BT2 Rare Earth Compounds

YTTERBIUM HYDRIDES [01]
DA December 1, 1974
BT1 Hydrides
BT2 Hydrogen Compounds
BT1 Ytterbium Compounds
BT2 Rare Earth Compounds

YTTERBIUM HYDROXIDES [01]
DA December 1, 1974
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds
BT1 Ytterbium Compounds
BT2 Rare Earth Compounds

YTTERBIUM IODIDES [01]
DA January 22, 1975
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds
BT1 Ytterbium Compounds
BT2 Rare Earth Compounds

YTTERBIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

YTTERBIUM ISOTOPES [01]
DA December 1, 1974
BT1 Rare Earth Isotopes
BT2 Isotopes
NT1 Ytterbium 150
NT1 Ytterbium 151
NT1 Ytterbium 152
NT1 Ytterbium 153
NT1 Ytterbium 154
NT1 Ytterbium 155
NT1 Ytterbium 156
NT1 Ytterbium 157
NT1 Ytterbium 158
NT1 Ytterbium 159
NT1 Ytterbium 160
NT1 Ytterbium 161
NT1 Ytterbium 162
NT1 Ytterbium 163
NT1 Ytterbium 164
NT1 Ytterbium 165
NT1 Ytterbium 166
NT1 Ytterbium 167
NT1 Ytterbium 168
NT1 Ytterbium 169
NT1 Ytterbium 170
NT1 Ytterbium 171
NT1 Ytterbium 172
NT1 Ytterbium 173
NT1 Ytterbium 174
NT1 Ytterbium 175
NT1 Ytterbium 176
NT1 Ytterbium 177
NT1 Ytterbium 178
NT1 Ytterbium 179
NT1 Ytterbium 180

YTTERBIUM NITRATES [01]
DA December 1, 1974
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds
BT1 Ytterbium Compounds
BT2 Rare Earth Compounds

YTTERBIUM NITRIDES [01]
DA December 1, 1974
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides
BT1 Ytterbium Compounds
BT2 Rare Earth Compounds

YTTERBIUM OXIDES [01]
DA December 1, 1974
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds
BT1 Ytterbium Compounds
BT2 Rare Earth Compounds

YTTERBIUM PERCHLORATES [01]
DA October 28, 1975
BT1 Perchlorates
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Oxygen Compounds
BT1 Ytterbium Compounds
BT2 Rare Earth Compounds

YTTERBIUM PHOSPHATES [01]
DA December 16, 1975
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds
BT1 Ytterbium Compounds
BT2 Rare Earth Compounds

→**YTTERBIUM PHOSPHIDES [01]**
DA September 14, 1992
BT1 Phosphides
BT2 Phosphorus Compounds
BT2 Pnictides
BT1 Ytterbium Compounds
BT2 Rare Earth Compounds

YTTERBIUM SELENIDES [01]
DA April 13, 1977
BT1 Selenides
BT2 Chalcogenides
BT2 Selenium Compounds
BT1 Ytterbium Compounds
BT2 Rare Earth Compounds

YTTERBIUM SILICATES [01]
DA December 1, 1974
BT1 Silicates
BT2 Oxygen Compounds
BT2 Silicon Compounds
BT1 Ytterbium Compounds
BT2 Rare Earth Compounds

YTTERBIUM SILICIDES [01]
DA September 11, 1978
BT1 Silicides
BT2 Silicon Compounds
BT1 Ytterbium Compounds
BT2 Rare Earth Compounds

YTTERBIUM SULFATES [01]
DA December 1, 1974
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds
BT1 Ytterbium Compounds
BT2 Rare Earth Compounds

YTTERBIUM SULFIDES [01]
DA December 1, 1974
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds
BT1 Ytterbium Compounds
BT2 Rare Earth Compounds

YTTERBIUM TELLURIDES [01]
DA January 7, 1976
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds
BT1 Ytterbium Compounds
BT2 Rare Earth Compounds

YTTERBIUM TUNGSTATES [01]
DA March 28, 1979
BT1 Tungstates
BT1 Ytterbium Compounds
BT2 Rare Earth Compounds

YTTRIALITE [01]
DA December 1, 1974
BT1 Silicate Minerals
BT2 Minerals
BT1 Thorium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
RT Cerium Silicates
RT Thorium Silicates
RT Yttrium Silicates

YTTRIUM [01]
DA December 1, 1974
BT1 Transition Elements
BT2 Metals
BT3 Elements

→**YTTRIUM 77 [01]**
DA January 14, 1991
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Yttrium Isotopes
BT2 Isotopes

→**YTTRIUM 79 [01]**
DA September 30, 1992
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Yttrium Isotopes
BT2 Isotopes

YTTRIUM 80 [01]
DA December 10, 1979

BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Yttrium Isotopes
BT2 Isotopes

YTTRIUM 81 [01]
DA May 6, 1975
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Yttrium Isotopes
BT2 Isotopes

YTTRIUM 82 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Yttrium Isotopes
BT2 Isotopes

YTTRIUM 83 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Yttrium Isotopes
BT2 Isotopes

YTTRIUM 84 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Yttrium Isotopes
BT2 Isotopes

YTTRIUM 85 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Yttrium Isotopes
BT2 Isotopes

YTTRIUM 86 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Internal Conversion Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Yttrium Isotopes
BT2 Isotopes

YTTRIUM 87 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Yttrium Isotopes
BT2 Isotopes
RT Radioisotope Generators

YTTRIUM 87 TARGET [01]
DA April 13, 1977
BT1 Targets

YTTRIUM 88 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Yttrium Isotopes
BT2 Isotopes

YTTRIUM 88 TARGET [01]
DA April 13, 1977
BT1 Targets

YTTRIUM 89 [01]
DA December 1, 1974
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Stable Isotopes
BT2 Isotopes
BT1 Yttrium Isotopes
BT2 Isotopes

YTTRIUM 89 TARGET [01]
DA July 9, 1976
BT1 Targets

YTTRIUM 90 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Yttrium Isotopes
BT2 Isotopes

YTTRIUM 91 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Yttrium Isotopes
BT2 Isotopes

YTTRIUM 92 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Yttrium Isotopes
BT2 Isotopes

YTTRIUM 93 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Yttrium Isotopes
BT2 Isotopes

YTTRIUM 94 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Yttrium Isotopes
BT2 Isotopes

YTTRIUM 95 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Yttrium Isotopes
BT2 Isotopes

YTTRIUM 96 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Yttrium Isotopes
BT2 Isotopes

YTTRIUM 97 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Yttrium Isotopes
BT2 Isotopes

YTTRIUM 98 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Yttrium Isotopes
BT2 Isotopes

YTTRIUM 99 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Yttrium Isotopes
BT2 Isotopes

YTTRIUM 100 [01]
DA October 20, 1977
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Yttrium Isotopes
BT2 Isotopes

YTTRIUM 101 [01]
DA January 27, 1981
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Even Nuclei
BT2 Nuclei
BT1 Yttrium Isotopes
BT2 Isotopes

YTTRIUM 102 [01]
DA November 17, 1976
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Odd-Odd Nuclei
BT2 Nuclei
BT1 Yttrium Isotopes
BT2 Isotopes

YTTRIUM 179 [01]
DA July 8, 1982
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Rare Earth Nuclei
BT2 Intermediate Mass Nuclei
BT3 Nuclei
BT1 Yttrium Isotopes
BT2 Isotopes

YTTRIUM ADDITIONS [01]
DA December 1, 1974
BT1 Yttrium Alloys
BT2 Alloys
NT1 Alloy-Ni77Cr17Al5

YTTRIUM ALLOYS [01]
DA December 1, 1974
BT1 Alloys
NT1 Alloy-C-103
NT1 GE 2541
NT1 Yttrium Additions
NT2 Alloy-Ni77Cr17Al5
NT1 Yttrium Base Alloys

Yttrium Aluminium Garnets
DA December 1, 1974
USE Aluminium Oxides
AND Ferrite Garnets
AND Yttrium Compounds

YTTRIUM ARSENIDES [01]
DA September 14, 1976
BT1 Arsenides
BT2 Arsenic Compounds
BT2 Pnictides
BT1 Yttrium Compounds
BT2 Transition Element Compounds

YTTRIUM BASE ALLOYS [01]
DA December 1, 1974
BT1 Yttrium Alloys
BT2 Alloys

YTTRIUM BORIDES [01]
DA December 1, 1974
BT1 Borides
BT2 Boron Compounds
BT1 Yttrium Compounds
BT2 Transition Element Compounds

YTTRIUM BROMIDES [01]
DA December 1, 1974
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Yttrium Compounds
BT2 Transition Element Compounds

YTTRIUM CARBIDES [01]
DA December 1, 1974
BT1 Carbides
BT2 Carbon Compounds
BT1 Yttrium Compounds
BT2 Transition Element Compounds

YTTRIUM CARBONATES [01]
DA December 1, 1974
BT1 Carbonates
BT2 Carbon Compounds
BT2 Oxygen Compounds
BT1 Yttrium Compounds
BT2 Transition Element Compounds

YTTRIUM CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Yttrium Compounds
BT2 Transition Element Compounds

YTTRIUM COMPLEXES [01]
DA December 1, 1974
BT1 Transition Element Complexes
BT2 Complexes

YTTRIUM COMPOUNDS [01]
DA December 1, 1974
UF+ *Yttrium Aluminium Garnets*
BT1 Transition Element Compounds
NT1 Yttrium Arsenides
NT1 Yttrium Borides
NT1 Yttrium Bromides
NT1 Yttrium Carbides
NT1 Yttrium Carbonates
NT1 Yttrium Chlorides
NT1 Yttrium Fluorides
NT1 Yttrium Hydrides
NT1 Yttrium Hydroxides
NT1 Yttrium Iodides
NT1 Yttrium Nitrates
NT1 Yttrium Nitrides
NT1 Yttrium Oxides
NT2 Alloy-IN-853
NT1 Yttrium Perchlorates
NT1 Yttrium Phosphates
NT1 Yttrium Phosphides
NT1 Yttrium Selenides
NT1 Yttrium Silicates
NT2 Kainosite
NT1 Yttrium Silicides
NT1 Yttrium Sulfates
NT1 Yttrium Sulfides
NT1 Yttrium Tellurides
NT1 Yttrium Tungstates

YTTRIUM FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Yttrium Compounds
BT2 Transition Element Compounds

YTTRIUM HYDRIDES [01]
DA December 1, 1974
BT1 Hydrides
BT2 Hydrogen Compounds
BT1 Yttrium Compounds
BT2 Transition Element Compounds

YTTRIUM HYDROXIDES [01]
DA December 1, 1974
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds
BT1 Yttrium Compounds
BT2 Transition Element Compounds

YTTRIUM IODIDES [01]
DA December 1, 1974
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds
BT1 Yttrium Compounds
BT2 Transition Element Compounds

YTTRIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

YTTRIUM ISOTOPES [01]
DA December 1, 1974
BT1 Isotopes
NT1 Yttrium 77
NT1 Yttrium 79
NT1 Yttrium 80
NT1 Yttrium 81
NT1 Yttrium 82
NT1 Yttrium 83
NT1 Yttrium 84
NT1 Yttrium 85
NT1 Yttrium 86
NT1 Yttrium 87
NT1 Yttrium 88
NT1 Yttrium 89
NT1 Yttrium 90
NT1 Yttrium 91
NT1 Yttrium 92
NT1 Yttrium 93
NT1 Yttrium 94
NT1 Yttrium 95
NT1 Yttrium 96
NT1 Yttrium 97
NT1 Yttrium 98
NT1 Yttrium 99
NT1 Yttrium 100
NT1 Yttrium 101
NT1 Yttrium 102
NT1 Yttrium 179

YTTRIUM NITRATES [01]
DA December 1, 1974
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds
BT1 Yttrium Compounds
BT2 Transition Element Compounds

YTTRIUM NITRIDES [01]
DA December 1, 1974
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides
BT1 Yttrium Compounds
BT2 Transition Element Compounds

YTTRIUM ORES [01]
DA December 1, 1974
BT1 Ores

YTTRIUM OXIDES [01]
DA December 1, 1974
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds
BT1 Yttrium Compounds
BT2 Transition Element Compounds
NT1 Alloy-IN-853

YTTRIUM PERCHLORATES [01]
DA January 31, 1975
BT1 Perchlorates
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Oxygen Compounds
BT1 Yttrium Compounds
BT2 Transition Element Compounds

YTTRIUM PHOSPHATES [01]
DA December 1, 1974
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds
BT1 Yttrium Compounds
BT2 Transition Element Compounds
RT Phosphate Minerals
RT Xenotime

YTTRIUM PHOSPHIDES [01]
DA August 4, 1976
BT1 Phosphides
BT2 Phosphorus Compounds
BT2 Pnictides
BT1 Yttrium Compounds
BT2 Transition Element Compounds

YTTRIUM SELENIDES [01]
DA November 28, 1975
BT1 Selenides
BT2 Chalcogenides
BT2 Selenium Compounds
BT1 Yttrium Compounds
BT2 Transition Element Compounds

YTTRIUM SILICATES [01]
DA December 1, 1974
BT1 Silicates
BT2 Oxygen Compounds
BT2 Silicon Compounds
BT1 Yttrium Compounds
BT2 Transition Element Compounds
NT1 Kainosite
RT Silicate Minerals
RT Yttrialite

YTTRIUM SILICIDES [01]
DA May 13, 1976
BT1 Silicides
BT2 Silicon Compounds
BT1 Yttrium Compounds
BT2 Transition Element Compounds

YTTRIUM SULFATES [01]
DA December 1, 1974
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds
BT1 Yttrium Compounds
BT2 Transition Element Compounds

YTTRIUM SULFIDES [01]
DA December 1, 1974
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds
BT1 Yttrium Compounds
BT2 Transition Element Compounds

YTTRIUM TELLURIDES [01]
DA November 28, 1975
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds
BT1 Yttrium Compounds
BT2 Transition Element Compounds

YTTRIUM TUNGSTATES [01]
DA March 29, 1980
BT1 Tungstates
BT1 Yttrium Compounds
BT2 Transition Element Compounds

YUCCA MOUNTAIN [01]
DA June 29, 1984
BT1 Mountains
RT Nevada
RT Radioactive Waste Disposal

Yugoslav TRIGA-Mk-II Reactor
DA December 1, 1974
USE TRIGA-2-Ljubljana Reactor

YUGOSLAVIA [01]
DA December 1, 1974
BT1 Developing Countries
BT1 Eastern Europe
BT2 Europe
RT Adriatic Sea
RT Alps
RT Danube River

Yugoslavia R-A Reactor Vinca
DA December 1, 1974
USE R-A Reactor

Yugoslavia R-B Reactor Vinca
DA December 1, 1974
USE R-B Reactor

YUKAWA NONLOCAL THEORY [01]
DA December 1, 1974
BT1 Quantum Field Theory
BT2 Field Theories

YUKAWA POTENTIAL [01]
DA December 1, 1974
BT1 Nuclear Potential
BT2 Potentials
RT Nucleon-Nucleon Potential
RT Nucleons

YUKON RIVER [01]
DA October 25, 1978
BT1 Rivers
BT2 Streams

BT3 Surface Waters
RT Alaska

YUKON TERRITORY [01]
DA February 23, 1979
BT1 Canada
BT2 Developed Countries
BT2 North America

YVON METHOD [01]
DA December 1, 1974
BT1 Calculation Methods
RT Neutron Transport Theory
RT Spherical Harmonics
RT Transport Theory

Z0-1780 BARYONS [01]
DA March 11, 1988
BT1 Z*Baryons
BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles

Z0-1865 BARYONS [01]
DA March 11, 1988
BT1 Z*Baryons
BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles

Z1-1725 BARYONS [01]
DA March 11, 1988
BT1 Z*Baryons
BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles

Z1-1900 BARYONS [01]
DA March 11, 1988
BT1 Z*Baryons
BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles

Z1-2150 BARYONS [01]
DA March 11, 1988
BT1 Z*Baryons
BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles

Z1-2500 BARYONS [01]
DA March 11, 1988
BT1 Z*Baryons
BT2 Hyperons
BT3 Baryons
BT4 Fermions
BT4 Hadrons
BT5 Elementary Particles
BT3 Strange Particles
BT4 Elementary Particles

Z*BARYONS [01]
(Prior to March 1988 this concept was indexed by Z*Resonances.)
DA March 11, 1988
UF *Z*Resonances*
BT1 Hyperons
BT2 Baryons
BT3 Fermions
BT3 Hadrons
BT4 Elementary Particles
BT2 Strange Particles
BT3 Elementary Particles
NT1 Z0-1780 Baryons
NT1 Z0-1865 Baryons
NT1 Z1-1725 Baryons
NT1 Z1-1900 Baryons
NT1 Z1-2150 Baryons
NT1 Z1-2500 Baryons

Z CENTERS [01]
DA December 1, 1974
BT1 Color Centers
BT2 Vacancies
BT3 Point Defects
BT4 Crystal Defects
BT5 Crystal Structure

Z CODES [01]
DA December 1, 1974
BT1 Computer Codes

Z NEUTRAL BOSONS [01]
(Prior to October 1985 this concept was indexed to INTERMEDIATE VECTOR BOSONS.)
DA October 11, 1985
BT1 Intermediate Vector Bosons
BT2 Intermediate Bosons
BT3 Bosons
BT3 Elementary Particles

Z Pinch Devices (Linear)
DA December 1, 1974
USE Linear Z Pinch Devices

*Z*Resonances*
(Prior to March 1988 this was a valid descriptor.)
DA December 1, 1974
USE Z*Baryons

ZACHARIASEN MODEL [01]
DA December 1, 1974
RT Quantum Field Theory

ZAIRE REPUBLIC [01]
DA December 1, 1974
UF *Congo Democratic Republic*
UF *Republic of Zaire*
BT1 Africa
BT1 Developing Countries
NT1 Kinshasa

ZAMAK [01]
DA December 1, 1974
BT1 Aluminium Alloys
BT2 Alloys
BT1 Cadmium Additions
BT2 Cadmium Alloys
BT3 Alloys
BT1 Copper Alloys
BT2 Alloys
BT1 Iron Additions
BT2 Iron Alloys
BT3 Alloys
BT1 Magnesium Additions
BT2 Magnesium Alloys
BT3 Alloys
BT1 Tin Additions
BT2 Tin Alloys
BT3 Alloys
BT1 Zinc Base Alloys
BT2 Zinc Alloys
BT3 Alloys

ZAMBIA [01]
DA December 1, 1974
UF *Northern Rhodesia*
UF *Rhodesia (Northern)*
BT1 Africa
BT1 Developing Countries

ZAPOROZHE-1 REACTOR [01]
DA September 20, 1984
BT1 WWER Type Reactors
BT2 PWR Type Reactors
BT3 Enriched Uranium Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors
BT3 Thermal Reactors
BT4 Reactors
BT3 Water Cooled Reactors
BT4 Reactors
BT3 Water Moderated Reactors
BT4 Reactors

ZAPOROZHE-2 REACTOR [01]
DA February 24, 1987
BT1 WWER Type Reactors
BT2 PWR Type Reactors
BT3 Enriched Uranium Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors
BT3 Thermal Reactors
BT4 Reactors
BT3 Water Cooled Reactors
BT4 Reactors
BT3 Water Moderated Reactors
BT4 Reactors

ZAPOROZHE-3 REACTOR [01]
(Ukrainian SSR, USSR.)
DA February 13, 1990
BT1 WWER Type Reactors
BT2 PWR Type Reactors
BT3 Enriched Uranium Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors
BT3 Thermal Reactors
BT4 Reactors
BT3 Water Cooled Reactors
BT4 Reactors
BT3 Water Moderated Reactors
BT4 Reactors

ZAPOROZHE-4 REACTOR [01]
(Ukrainian SSR, USSR.)
DA February 13, 1990
BT1 WWER Type Reactors
BT2 PWR Type Reactors
BT3 Enriched Uranium Reactors
BT4 Reactors
BT3 Power Reactors
BT4 Reactors
BT3 Thermal Reactors
BT4 Reactors
BT3 Water Cooled Reactors
BT4 Reactors
BT3 Water Moderated Reactors
BT4 Reactors

ZARNOWIEC REACTOR
DA March 4, 1977
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

Zea Mays
DA December 1, 1974
USE Maize

ZEBRA REACTOR [01]
(UKAEA, Winfrith, United Kingdom.)
DA December 1, 1974
UF *Zero Energy Breeder Reactor Assembly*
BT1 FBR Type Reactors
BT2 Breeder Reactors
BT3 Reactors
BT2 Fast Reactors
BT3 Epithermal Reactors
BT4 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors
RT Enriched Uranium Reactors
RT Plutonium Reactors

ZED-2 REACTOR [01]
DA December 1, 1974

UF *Organic Cooled Heavy Water Moderated Chalk River Reactor*
BT1 Air Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Heavy Water Cooled Reactors
BT2 Reactors
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 Organic Cooled Reactors
BT2 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors

ZEEMAN EFFECT [01]
DA December 1, 1974
UF *Zeeman Resonance*
UF *Zeeman Spectrum*
UF *Zeeman Transition*
RT Double Resonance Methods
RT Magnetic Fields
RT Magneto-Optical Effects
RT Paschen-Back Effect
RT Spectral Shift

Zeeman Resonance
DA December 1, 1974
USE Zeeman Effect

Zeeman Spectrum
DA December 1, 1974
USE Zeeman Effect

Zeeman Transition
DA December 1, 1974
USE Zeeman Effect

ZEEP REACTOR [01]
DA December 1, 1974
UF *Zero Energy Experimental Pile*
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 Plutonium Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

ZEIN
DA January 24, 1986
BT1 Proteins
BT2 Organic Compounds
RT Maize
DEF A protein powder derived from maize that contributes the major portion of the protein nutrient value of corn.

ZEMACH-GLAUBER FORMALISM [01]
DA December 1, 1974
RT Scattering
RT Thermal Neutrons

Zener Diodes
DA December 1, 1974
USE Junction Diodes

ZENITH REACTOR [01]
DA December 1, 1974
UF *Zero Energy Nitrogen Heated Thermal Reactor*
BT1 Graphite Moderated Reactors
BT2 Reactors
BT1 Nitrogen Cooled Reactors
BT2 Gas Cooled Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors
RT Enriched Uranium Reactors
RT Plutonium Reactors
RT Thorium Reactors

Zentralinst. F. Kernforschung
DA May 17, 1991
USE ZFK Rossendorf

ZEOLITES [01]
DA December 1, 1974
BT1 Inorganic Ion Exchangers
BT2 Ion Exchange Materials
BT3 Materials
BT1 Silicate Minerals
BT2 Minerals
NT1 Analcime
NT1 Clinoptilolite
NT1 Faujasite
NT1 Heulandite
NT1 Laumontite
NT1 Mordenite
NT1 Wairakite
RT Desiccants
DEF A class of hydrated silicates of aluminium and either sodium or calcium or both, of the type $NaO_2.Al_2O_3.nSiO_2.xH_2O$.

ZEPHYR REACTOR [01]
DA December 1, 1974
UF *Zero Energy Fast Reactor-Zephyr*
BT1 Fast Reactors
BT2 Epithermal Reactors
BT3 Reactors
BT1 Materials Testing Reactors
BT2 Irradiation Reactors
BT3 Reactors
BT1 Natural Uranium Reactors
BT2 Reactors
BT1 Plutonium Reactors
BT2 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

ZERAN LINAC [01]
DA May 25, 1979
BT1 Linear Accelerators
BT2 Accelerators

ZERLINA REACTOR [01]
(Bhabha Atomic Research Centre, Trombay, Maharashtra, India.)
DA December 1, 1974
UF *Zero Energy Reactor for Lattice Invest. and New Assemblies*
BT1 Heavy Water Moderated Reactors
BT2 Reactors
BT1 Organic Moderated Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

Zero Energy Balance
DA May 19, 1976
USE Breakeven

Zero Energy Breeder Reactor Assembly
DA December 1, 1974
USE ZEBRA Reactor

Zero Energy Experimental Pile
DA December 1, 1974
USE ZEEP Reactor

Zero Energy Fast Reactor-Zephyr
DA December 1, 1974
USE Zephyr Reactor

Zero Energy Nitrogen Heated Thermal Reactor
DA December 1, 1974
USE Zenith Reactor

Zero Energy Reactor for Lattice Invest. and New Assemblies
DA December 1, 1974
USE Zerlina Reactor

Zero Gradient Synchrotron
DA December 1, 1974
USE ZGS

Zero Gravity
DA December 21, 1981
USE Weightlessness

Zero Power Critical Experiment Minerve
DA December 1, 1974
USE Minerve Reactor

ZERO POWER REACTORS [01]
DA December 1, 1974
UF *CEPFR-1 Reactor*
UF *Critical Assemblies*
UF *HITREX-2 Reactor*
UF *SR-0F Reactor*
SF *FCEL Reactor*
BT1 Experimental Reactors
BT2 Research and Test Reactors
BT3 Reactors
NT1 Agata Reactor
NT1 ANEX Reactor
NT1 ANNA Reactor
NT1 APFA-3 Reactor
NT1 AQUILON Reactor
NT1 BFS Reactor
NT1 Big Ten Reactor
NT1 BNL Reactor
NT1 CFRMF Reactor
NT1 CML Reactor
NT1 Coral-1 Reactor
NT1 Crocus Reactor
NT1 DCA Reactor
NT1 Dimple Reactor
NT1 ECEL Reactor
NT1 Ermine Reactor
NT1 ETRC Reactor
NT1 FCA Reactor
NT1 Flattop Reactor
NT1 FR-0 Reactor
NT1 Godiva Reactor
NT1 Hero Reactor
NT1 Hitrex-1 Reactor
NT1 Horace Reactor
NT1 IEA-ZPR Reactor
NT1 IFR Reactor
NT1 IPEN-MB-1 Reactor
NT1 ITR Reactor
NT1 Jezebel Reactor
NT1 Juno Reactor
NT1 Kahter Reactor
NT1 KBR-1 Reactor
NT1 Kritz Reactor
NT1 KUCA Reactor
NT1 LPTF Reactor
NT1 LR-0 Reactor
NT1 Marius Reactor
NT1 Maryla Reactor
NT1 Masurca Reactor
NT1 Minerve Reactor
NT1 Neptune Reactor
NT1 NSF-RFP Reactor
NT1 OR-CEF Reactor
NT1 ORNL-PCA Reactor
NT1 PARKA Reactor
NT1 PDP Reactor
NT1 Peggy Reactor
NT1 Pelinduna Reactor
NT1 Plasma Core Assembly
NT1 PRCF Reactor
NT1 PTF-UNC Reactor
NT1 Purnima-2 Reactor
NT1 Purnima Reactor
NT1 R-B Reactor
NT1 RA-0 Reactor
NT1 RA-2 Reactor
NT1 RAKE-2 Reactor

NT1 RB-1 Reactor
NT1 RB-3 Reactor
NT1 Rensselaer Critical Facility
NT1 RITMO Reactor
NT1 ROSPO Reactor
NT1 SAREF Reactor
NT1 SHCA Reactor
NT1 Silene Reactor
NT1 Siloette Reactor
NT1 SNEAK Reactor
NT1 Split Table Reactor
NT1 SR-OA Reactor
NT1 TCA Reactor
NT1 Thermionic Reactor Critical Experiments
NT1 TR-0 Reactor
NT1 VERA Reactor
NT1 ZEBRA Reactor
NT1 ZEEP Reactor
NT1 Zenith Reactor
NT1 Zephyr Reactor
NT1 Zerlina Reactor
NT1 ZLFR Reactor
NT1 ZPPR Reactor
NT1 ZPR Reactor
NT1 ZPR-3 Reactor
NT1 ZPR-6 Reactor
NT1 ZPR-9 Reactor
NT1 ZR-6 Reactor
RT Reactor Lattices

ZERO-RANGE APPROXIMATION [01]
DA December 1, 1974
RT Elastic Scattering
RT Finite-Range Interactions
RT Nuclear Reaction Kinetics

ZERO SOUND [01]
DA December 1, 1974
RT Sound Waves
RT Superfluidity
RT Wave Propagation

Zet Pinch
DA December 1, 1974
USE Longitudinal Pinch

ZETA DEVICES [01]
DA December 1, 1974
BT1 TLP Devices
BT2 Toroidal Pinch Devices
BT3 Closed Plasma Devices
BT4 Thermonuclear Devices
BT3 Pinch Devices
BT4 Thermonuclear Devices

ZEUNERITE [01]
DA December 1, 1974
BT1 Oxide Minerals
BT2 Minerals
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
RT Arsenic Oxides
RT Calcium Oxides
RT Uranium Oxides

ZFI LEIPZIG [01]
(Zentralinstitut fuer Isotopen- und Strahlenforschung, Leipzig.)
DA November 18, 1986
BT1 German FR Organizations
BT2 National Organizations

ZFK ROSSENDORF [01]
(Zentralinstitut Fuer Kernforschung, Rossendorf, Germany.)
DA April 13, 1977
UF *Rossendorf ZFK*
UF *Zentralinst. F. Kernforschung*
BT1 German FR Organizations
BT2 National Organizations

ZGS [01]
DA December 1, 1974
UF *Argonne ZGS*
UF *Zero Gradient Synchrotron*
BT1 Synchrotrons
BT2 Cyclic Accelerators
BT3 Accelerators

Zhuravlev Process
(Prior to July 1993, this was a valid descriptor.)
DA January 24, 1975
USE Coal Gasification

ZIEGLER CATALYST [01]
DA December 1, 1974
BT1 Catalysts
RT Catalysis

ZIMBABWE [01]
(Prior to October 1980 this concept was indexed to SOUTHERN RHODESIA.)
DA October 7, 1980
BT1 Africa
BT1 Developing Countries
NT1 Southern Rhodesia

ZIMMER-1 REACTOR [01]
(Moscow, Ohio, USA)
DA December 1, 1974
UF *William H. Zimmer-1 Reactor*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors
BT1 Thermal Reactors
BT2 Reactors

ZIMMER-2 REACTOR [01]
(Moscow, Ohio, USA)
DA May 15, 1975
UF *William H. Zimmer-2 Reactor*
BT1 BWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

ZINC [01]
DA December 1, 1974
BT1 Metals
BT2 Elements

ZINC 57 [01]
DA June 7, 1976
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Zinc Isotopes
BT2 Isotopes

ZINC 58 [01]
DA May 8, 1984
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Zinc Isotopes
BT2 Isotopes

ZINC 59 [01]
DA March 10, 1982
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Zinc Isotopes
BT2 Isotopes

ZINC 60 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Zinc Isotopes
BT2 Isotopes

ZINC 61 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Zinc Isotopes
BT2 Isotopes

ZINC 62 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Zinc Isotopes
BT2 Isotopes

ZINC 63 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Zinc Isotopes
BT2 Isotopes

ZINC 64 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei

BT1 Stable Isotopes
BT2 Isotopes
BT1 Zinc Isotopes
BT2 Isotopes

ZINC 64 REACTIONS [01]
DA November 9, 1983
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

ZINC 64 TARGET [01]
DA July 9, 1976
BT1 Targets

ZINC 65 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Zinc Isotopes
BT2 Isotopes

ZINC 65 TARGET [01]
DA February 10, 1984
BT1 Targets

ZINC 66 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
BT1 Zinc Isotopes
BT2 Isotopes

ZINC 66 TARGET [01]
DA July 9, 1976
BT1 Targets

ZINC 67 [01]
DA December 1, 1974
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
BT1 Zinc Isotopes
BT2 Isotopes

ZINC 67 TARGET [01]
DA July 9, 1976
BT1 Targets

ZINC 68 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
BT1 Zinc Isotopes
BT2 Isotopes

ZINC 68 REACTIONS [01]
DA April 19, 1976
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

ZINC 68 TARGET [01]
DA July 9, 1976
BT1 Targets

ZINC 69 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Zinc Isotopes
BT2 Isotopes

ZINC 70 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
BT1 Zinc Isotopes
BT2 Isotopes

ZINC 70 REACTIONS [01]
DA May 1, 1978
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

ZINC 70 TARGET [01]
DA July 9, 1976
BT1 Targets

ZINC 71 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Zinc Isotopes
BT2 Isotopes

ZINC 72 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Zinc Isotopes
BT2 Isotopes

ZINC 73 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Zinc Isotopes
BT2 Isotopes

ZINC 74 [01]
DA February 19, 1975
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Zinc Isotopes
BT2 Isotopes

ZINC 75 [01]
DA April 15, 1975
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Zinc Isotopes
BT2 Isotopes

ZINC 76 [01]
DA April 15, 1975
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Zinc Isotopes
BT2 Isotopes

ZINC 77 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Zinc Isotopes
BT2 Isotopes

ZINC 78 [01]
DA April 15, 1975
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Zinc Isotopes
BT2 Isotopes

ZINC 79 [01]
DA July 7, 1976
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes

BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Zinc Isotopes
BT2 Isotopes

ZINC 80 [01]
DA July 18, 1985
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Zinc Isotopes
BT2 Isotopes

→**ZINC 81 [01]**
DA March 24, 1992
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Zinc Isotopes
BT2 Isotopes

ZINC ADDITIONS [01]
DA December 1, 1974
BT1 Zinc Alloys
BT2 Alloys
NT1 Nickeline Alloy

ZINC-AIR BATTERIES
DA January 27, 1975
BT1 Metal-Gas Batteries
BT2 Electric Batteries
BT3 Electrochemical Cells

ZINC ALLOYS [01]
DA December 1, 1974
BT1 Alloys
NT1 Brass
NT2 Brass-Alpha
NT2 Brass-Beta
NT1 German Silver
NT1 Lynite
NT1 Magnesium Alloy-AZ31B
NT1 Magnesium Alloy-EZ
NT1 Magnesium Alloy-ZR
NT1 Muntz Metal
NT1 Ounce Metal
NT1 Zinc Additions
NT2 Nickeline Alloy
NT1 Zinc Base Alloys
NT2 Zamak

ZINC ARSENIDES [01]
DA June 30, 1975
BT1 Arsenides
BT2 Arsenic Compounds
BT2 Pnictides
BT1 Zinc Compounds

ZINC BASE ALLOYS [01]
DA December 1, 1974
BT1 Zinc Alloys
BT2 Alloys
NT1 Zamak

ZINC BORIDES [01]
DA December 1, 1974
BT1 Borides
BT2 Boron Compounds
BT1 Zinc Compounds

ZINC BROMIDES [01]
DA December 1, 1974
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Zinc Halides
BT2 Halides
BT3 Halogen Compounds
BT2 Zinc Compounds

ZINC-BROMINE BATTERIES [01]
DA February 23, 1979
BT1 Metal-Nonmetal Batteries
BT2 Electric Batteries
BT3 Electrochemical Cells

ZINC CARBIDES [01]
DA December 1, 1974
BT1 Carbides
BT2 Carbon Compounds
BT1 Zinc Compounds

ZINC CARBONATES [01]
DA December 1, 1974
BT1 Carbonates
BT2 Carbon Compounds
BT2 Oxygen Compounds
BT1 Zinc Compounds

ZINC CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Zinc Halides
BT2 Halides
BT3 Halogen Compounds
BT2 Zinc Compounds

ZINC-CHLORINE BATTERIES
DA January 27, 1975
BT1 Metal-Gas Batteries
BT2 Electric Batteries
BT3 Electrochemical Cells

ZINC COMPLEXES [01]
DA December 1, 1974
BT1 Complexes

ZINC COMPOUNDS [01]
DA December 1, 1974
NT1 Zinc Arsenides
NT1 Zinc Borides
NT1 Zinc Carbides
NT1 Zinc Carbonates
NT1 Zinc Halides
NT2 Zinc Bromides
NT2 Zinc Chlorides
NT2 Zinc Fluorides
NT2 Zinc Iodides
NT1 Zinc Hydrides
NT1 Zinc Hydroxides
NT1 Zinc Nitrates
NT1 Zinc Nitrides
NT1 Zinc Oxides
NT1 Zinc Perchlorates
NT1 Zinc Phosphates
NT1 Zinc Phosphides
NT1 Zinc Selenides
NT1 Zinc Silicates
NT1 Zinc Silicides
NT1 Zinc Sulfates
NT1 Zinc Sulfides
NT1 Zinc Tellurides
NT1 Zinc Tungstates
NT1 Zincates

Zinc Distillation Process
DA December 10, 1979
USE Pyrochemical Reprocessing

ZINC FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Zinc Halides
BT2 Halides
BT3 Halogen Compounds
BT2 Zinc Compounds

ZINC HALIDE PROCESS
DA July 7, 1976
BT1 Coal Liquefaction
BT2 Liquefaction
BT3 Thermochemical Processes
RT Hydrocracking
RT Hydrogenation
DEF Conoco Coal Development Company process using zinc halide catalyst for the hydrogenation and hydrocracking of coal extract and of subbituminous coal.

ZINC HALIDES [01]
DA February 20, 1975
BT1 Halides
BT2 Halogen Compounds
BT1 Zinc Compounds
NT1 Zinc Bromides
NT1 Zinc Chlorides
NT1 Zinc Fluorides
NT1 Zinc Iodides

ZINC HYDRIDES [01]
DA January 22, 1975
BT1 Hydrides
BT2 Hydrogen Compounds
BT1 Zinc Compounds

ZINC HYDROXIDES [01]
DA December 1, 1974
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds
BT1 Zinc Compounds

ZINC IODIDES [01]
DA December 1, 1974
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds
BT1 Zinc Halides
BT2 Halides
BT3 Halogen Compounds
BT2 Zinc Compounds

ZINC IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

ZINC ISOTOPES [01]
DA December 1, 1974
BT1 Isotopes
NT1 Zinc 57
NT1 Zinc 58
NT1 Zinc 59
NT1 Zinc 60
NT1 Zinc 61
NT1 Zinc 62
NT1 Zinc 63
NT1 Zinc 64
NT1 Zinc 65
NT1 Zinc 66
NT1 Zinc 67
NT1 Zinc 68
NT1 Zinc 69
NT1 Zinc 70
NT1 Zinc 71
NT1 Zinc 72
NT1 Zinc 73
NT1 Zinc 74
NT1 Zinc 75
NT1 Zinc 76
NT1 Zinc 77
NT1 Zinc 78
NT1 Zinc 79
NT1 Zinc 80
NT1 Zinc 81

ZINC-MANGANESE BATTERIES
DA January 27, 1975

BT1 Metal-Metal Oxide Batteries
BT2 Electric Batteries
BT3 Electrochemical Cells

ZINC NITRATES [01]
DA December 1, 1974
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds
BT1 Zinc Compounds

ZINC NITRIDES [01]
DA January 22, 1975
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides
BT1 Zinc Compounds

ZINC ORES [01]
DA December 1, 1974
BT1 Ores

ZINC OXIDES [01]
DA December 1, 1974
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds
BT1 Zinc Compounds

ZINC PERCHLORATES [01]
DA January 31, 1975
BT1 Perchlorates
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Oxygen Compounds
BT1 Zinc Compounds

ZINC PHOSPHATES [01]
DA December 1, 1974
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds
BT1 Zinc Compounds

ZINC PHOSPHIDE SOLAR CELLS [01]
DA January 30, 1981
BT1 Solar Cells
BT2 Photovoltaic Cells
BT3 Photoelectric Cells
BT4 Direct Energy Converters
BT2 Solar Equipment
BT3 Equipment

ZINC PHOSPHIDES [01]
DA December 16, 1975
BT1 Phosphides
BT2 Phosphorus Compounds
BT2 Pnictides
BT1 Zinc Compounds

ZINC SELENIDES [01]
DA January 22, 1975
BT1 Selenides
BT2 Chalcogenides
BT2 Selenium Compounds
BT1 Zinc Compounds

ZINC SILICATES [01]
DA December 1, 1974
BT1 Silicates
BT2 Oxygen Compounds
BT2 Silicon Compounds
BT1 Zinc Compounds

ZINC SILICIDES [01]
DA June 30, 1975
BT1 Silicides
BT2 Silicon Compounds
BT1 Zinc Compounds

ZINC SULFATES [01]
DA December 1, 1974
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds
BT1 Zinc Compounds

ZINC SULFIDE SOLAR CELLS
DA July 18, 1981
BT1 Solar Cells
BT2 Photovoltaic Cells
BT3 Photoelectric Cells
BT4 Direct Energy Converters
BT2 Solar Equipment
BT3 Equipment

ZINC SULFIDES [01]
DA December 1, 1974
BT1 Inorganic Phosphors
BT2 Phosphors
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds
BT1 Zinc Compounds
RT Sphalerite

ZINC TELLURIDES [01]
DA January 22, 1975
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds
BT1 Zinc Compounds

ZINC TUNGSTATES [01]
DA January 7, 1982
BT1 Tungstates
BT1 Zinc Compounds

ZINCATES
DA March 11, 1976
BT1 Zinc Compounds

ZION-1 REACTOR [01]
(Zion, Illinois, USA)
DA December 1, 1974
UF *Zion Station Unit-1*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

ZION-2 REACTOR [01]
(Zion, Illinois, USA)
DA December 1, 1974
UF *Zion Station Unit-2*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

Zion Station Unit-1
DA December 1, 1974
USE Zion-1 Reactor

Zion Station Unit-2
DA December 1, 1974
USE Zion-2 Reactor

ZIPPEITE [01]
DA December 1, 1974
BT1 Sulfate Minerals
BT2 Minerals
BT1 Uranium Minerals
BT2 Radioactive Minerals
BT3 Minerals
BT3 Radioactive Materials
BT4 Materials
RT Uranium Sulfates

ZIRCALOY [01]
(For unspecified Zircaloy alloys.)
DA December 1, 1974
BT1 Zirconium Base Alloys
BT2 Zirconium Alloys
BT3 Alloys
NT1 Alloy-Zr98Sn-2
NT2 Zircaloy 2
NT1 Alloy-Zr98Sn-4
NT2 Zircaloy 4

ZIRCALOY 2
DA December 1, 1974
BT1 Alloy-Zr98Sn-2
BT2 Chromium Additions
BT3 Chromium Alloys
BT4 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Iron Additions
BT3 Iron Alloys
BT4 Alloys
BT2 Nickel Additions
BT3 Nickel Alloys
BT4 Alloys
BT2 Tin Alloys
BT3 Alloys
BT2 Zircaloy
BT3 Zirconium Base Alloys
BT4 Zirconium Alloys
BT5 Alloys

ZIRCALOY 4
DA December 1, 1974
BT1 Alloy-Zr98Sn-4
BT2 Chromium Additions
BT3 Chromium Alloys
BT4 Alloys
BT2 Corrosion Resistant Alloys
BT3 Alloys
BT2 Heat Resisting Alloys
BT3 Alloys
BT3 Heat Resistant Materials
BT4 Materials
BT2 Iron Additions
BT3 Iron Alloys
BT4 Alloys
BT2 Tin Alloys
BT3 Alloys
BT2 Zircaloy
BT3 Zirconium Base Alloys
BT4 Zirconium Alloys
BT5 Alloys

ZIRCEX PROCESS [01]
DA December 1, 1974
BT1 Reprocessing
BT2 Separation Processes
RT Solvent Extraction

ZIRCON [01]
DA December 1, 1974
BT1 Silicate Minerals
BT2 Minerals
RT Caldasite
RT Zirconium Silicates

ZIRCONATES [01]
(Specific compounds should be indexed by coordination of a descriptor of the form (CATION) COMPOUNDS and the above anion descriptor.)
DA December 1, 1974
BT1 Oxygen Compounds
BT1 Zirconium Compounds
BT2 Transition Element Compounds
NT1 PLZT
NT1 PZT
RT Zirconium Oxides

ZIRCONIUM [01]
DA December 1, 1974
BT1 Transition Elements
BT2 Metals
BT3 Elements
NT1 Zirconium-Alpha
NT1 Zirconium-Beta
NT1 Zirconium-Omega

ZIRCONIUM 80 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Zirconium Isotopes
BT2 Isotopes

ZIRCONIUM 81 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Zirconium Isotopes
BT2 Isotopes

ZIRCONIUM 82 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Zirconium Isotopes
BT2 Isotopes

ZIRCONIUM 83 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Zirconium Isotopes
BT2 Isotopes

ZIRCONIUM 84 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Zirconium Isotopes
BT2 Isotopes

ZIRCONIUM 85 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Zirconium Isotopes
BT2 Isotopes

ZIRCONIUM 86 [01]
DA December 1, 1974
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Zirconium Isotopes
BT2 Isotopes

ZIRCONIUM 87 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Zirconium Isotopes
BT2 Isotopes

ZIRCONIUM 88 [01]
DA December 1, 1974
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Zirconium Isotopes
BT2 Isotopes

ZIRCONIUM 89 [01]
DA December 1, 1974
BT1 Beta-Plus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Electron Capture Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Minutes Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Zirconium Isotopes
BT2 Isotopes

ZIRCONIUM 90 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Isomeric Transition Isotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Stable Isotopes
BT2 Isotopes
BT1 Zirconium Isotopes
BT2 Isotopes

ZIRCONIUM 90 REACTIONS [01]
DA July 10, 1984
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

ZIRCONIUM 90 TARGET [01]
DA July 9, 1976
BT1 Targets

ZIRCONIUM 91 [01]
DA December 1, 1974
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
BT1 Zirconium Isotopes
BT2 Isotopes

ZIRCONIUM 91 TARGET [01]
DA July 9, 1976
BT1 Targets

ZIRCONIUM 92 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
BT1 Zirconium Isotopes
BT2 Isotopes

ZIRCONIUM 92 REACTIONS [01]
DA February 22, 1985
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

ZIRCONIUM 92 TARGET [01]
DA July 9, 1976
BT1 Targets

ZIRCONIUM 93 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Years Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Zirconium Isotopes
BT2 Isotopes

ZIRCONIUM 93 TARGET [01]
DA August 21, 1981
BT1 Targets

ZIRCONIUM 94 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
BT1 Zirconium Isotopes
BT2 Isotopes

ZIRCONIUM 94 TARGET [01]
DA July 9, 1976
BT1 Targets

ZIRCONIUM 95 [01]
DA December 1, 1974

BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Days Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Zirconium Isotopes
BT2 Isotopes

ZIRCONIUM 96 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Stable Isotopes
BT2 Isotopes
BT1 Zirconium Isotopes
BT2 Isotopes

ZIRCONIUM 96 REACTIONS [01]
DA February 22, 1985
BT1 Heavy Ion Reactions
BT2 Charged-Particle Reactions
BT3 Nuclear Reactions

ZIRCONIUM 96 TARGET [01]
DA July 9, 1976
BT1 Targets

ZIRCONIUM 97 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Hours Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Zirconium Isotopes
BT2 Isotopes

ZIRCONIUM 98 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Zirconium Isotopes
BT2 Isotopes

ZIRCONIUM 99 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Zirconium Isotopes
BT2 Isotopes

ZIRCONIUM 100 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Zirconium Isotopes
BT2 Isotopes

ZIRCONIUM 101 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Zirconium Isotopes
BT2 Isotopes

ZIRCONIUM 102 [01]
DA December 1, 1974
BT1 Beta-Minus Decay Radioisotopes
BT2 Beta Decay Radioisotopes
BT3 Radioisotopes
BT4 Isotopes
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Zirconium Isotopes
BT2 Isotopes

ZIRCONIUM 103 [01]
DA January 23, 1975
BT1 Even-Odd Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Millisec Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Seconds Living Radioisotopes
BT2 Radioisotopes
BT3 Isotopes
BT1 Zirconium Isotopes
BT2 Isotopes

ZIRCONIUM 104 [01]
DA December 1, 1974
BT1 Even-Even Nuclei
BT2 Nuclei
BT1 Intermediate Mass Nuclei
BT2 Nuclei
BT1 Zirconium Isotopes
BT2 Isotopes

ZIRCONIUM ADDITIONS [01]
DA December 1, 1974
BT1 Zirconium Alloys
BT2 Alloys
NT1 Alloy-IN-102
NT1 Alloy-Mo99
NT2 Alloy-TZM
NT2 Alloy-Zm-2A
NT1 Alloy-Mo99B
NT1 Alloy-N-9M
NT1 Alloy-N-10M
NT1 Alloy-Nb94Mo4
NT1 Alloy-Ni43Fe33Cr16Mo3
NT2 Nimonic PE16
NT1 Alloy-Ni46Cr23Co19Ti5Al4
NT2 Alloy-IN-939
NT1 Alloy-Ni47Cr25Co12W9Fe3
NT2 Alloy-IN-643
NT2 Inconel 643
NT1 Alloy-Ni55Co17Cr15Mo5Al4Ti4
NT2 Astroloy
NT1 Alloy-Ni58Cr20Co14Mo4Ti3
NT2 Waspaloy
NT1 Alloy-Ni59Cr20Co17Ti2
NT2 Nimonic 90
NT1 Alloy-Ni60Co15Cr10Al6Ti5Mo3
NT2 Alloy-IN-100
NT1 Alloy-Ni60Cr14Co10Ti5Mo4W4Al3
NT2 Rene 80
NT1 Alloy-Ni61Cr16Co9Al3Ti3W3
NT2 Alloy-IN-738
NT1 Alloy-Ni74Cr13Al6Mo4
NT2 Inconel 713C
NT1 Alloy-Ni75Cr12Al6Mo5
NT2 Inconel 713LC
NT1 Alloy-Ni76Cr20Ti2
NT2 Nimonic 80A
NT1 Magnesium Alloy-EK
NT1 Magnesium Alloy-EZ
NT1 Magnesium Alloy-HK31A
NT1 Rene 95

ZIRCONIUM ALLOYS [01]
DA December 1, 1974
BT1 Alloys
NT1 Alloy-C-103
NT1 Alloy-Ti89Al6Mo3
NT1 Alloy-Ti90Al6
NT1 Alloy-U90Nb7Zr3
NT2 Mulberry Alloy
NT1 Alloy-V87Cr9Fe3
NT2 Vanstar 7
NT1 Mulberry Alloy
NT1 Transage 117
NT1 Transage 120
NT1 Transage 134
NT1 Transage 175
NT1 Vanstar 7
* **NT1** Zirconium Additions
* **NT1** Zirconium Base Alloys

ZIRCONIUM-ALPHA [01]
DA December 1, 1974
BT1 Zirconium
BT2 Transition Elements
BT3 Metals
BT4 Elements

ZIRCONIUM ARSENIDES [01]
DA December 16, 1976
BT1 Arsenides
BT2 Arsenic Compounds
BT2 Pnictides
BT1 Zirconium Compounds
BT2 Transition Element Compounds

ZIRCONIUM BASE ALLOYS [01]
DA December 1, 1974
BT1 Zirconium Alloys
BT2 Alloys
NT1 Alloy-Zr97Nb3
NT1 Transage 129
NT1 Zircaloy
NT2 Alloy-Zr98Sn-2
NT3 Zircaloy 2
NT2 Alloy-Zr98Sn-4
NT3 Zircaloy 4

ZIRCONIUM-BETA [01]
DA December 1, 1974
BT1 Zirconium
BT2 Transition Elements
BT3 Metals
BT4 Elements

ZIRCONIUM BORIDES [01]
DA December 1, 1974
BT1 Borides
BT2 Boron Compounds
BT1 Zirconium Compounds
BT2 Transition Element Compounds

ZIRCONIUM BROMIDES [01]
DA December 1, 1974
BT1 Bromides
BT2 Bromine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Zirconium Compounds
BT2 Transition Element Compounds

ZIRCONIUM CARBIDES [01]
DA December 1, 1974
BT1 Carbides
BT2 Carbon Compounds
BT1 Zirconium Compounds
BT2 Transition Element Compounds

ZIRCONIUM CARBONATES [01]
DA December 1, 1974
BT1 Carbonates
BT2 Carbon Compounds
BT2 Oxygen Compounds
BT1 Zirconium Compounds
BT2 Transition Element Compounds

ZIRCONIUM CHLORIDES [01]
DA December 1, 1974
BT1 Chlorides
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Zirconium Compounds
BT2 Transition Element Compounds

ZIRCONIUM COMPLEXES [01]
DA December 1, 1974
BT1 Transition Element Complexes
BT2 Complexes

ZIRCONIUM COMPOUNDS [01]
DA December 1, 1974
BT1 Transition Element Compounds
NT1 Zirconates
NT2 PLZT
NT2 PZT
NT1 Zirconium Arsenides
NT1 Zirconium Borides
NT1 Zirconium Bromides
NT1 Zirconium Carbides
NT1 Zirconium Carbonates
NT1 Zirconium Chlorides
NT1 Zirconium Fluorides
NT1 Zirconium Hydrides
NT1 Zirconium Hydroxides
NT1 Zirconium Iodides
NT1 Zirconium Nitrates
NT1 Zirconium Nitrides
NT1 Zirconium Oxides
NT2 Marignacite
NT2 Naegite
NT2 Nogizawalite
NT1 Zirconium Perchlorates
NT1 Zirconium Phosphates
NT1 Zirconium Phosphides
NT1 Zirconium Selenides
NT1 Zirconium Silicates
NT2 Lavenite
NT2 Lovozerite
NT2 Mesodialyte
NT1 Zirconium Silicides
NT1 Zirconium Sulfates
NT1 Zirconium Sulfides
NT1 Zirconium Tellurides
NT1 Zirconium Tungstates

ZIRCONIUM FLUORIDES [01]
DA December 1, 1974
BT1 Fluorides
BT2 Fluorine Compounds
BT3 Halogen Compounds
BT2 Halides
BT3 Halogen Compounds
BT1 Zirconium Compounds
BT2 Transition Element Compounds

ZIRCONIUM HYDRIDES [01]
DA December 1, 1974
BT1 Hydrides
BT2 Hydrogen Compounds
BT1 Zirconium Compounds
BT2 Transition Element Compounds
RT Hydride Moderators

ZIRCONIUM HYDROXIDES [01]
DA December 1, 1974
BT1 Hydroxides
BT2 Hydrogen Compounds
BT2 Oxygen Compounds
BT1 Zirconium Compounds
BT2 Transition Element Compounds

ZIRCONIUM IODIDES [01]
DA December 1, 1974
BT1 Iodides
BT2 Halides
BT3 Halogen Compounds
BT2 Iodine Compounds
BT3 Halogen Compounds
BT1 Zirconium Compounds
BT2 Transition Element Compounds

ZIRCONIUM IONS [01]
DA December 1, 1974
BT1 Ions
BT2 Charged Particles

ZIRCONIUM ISOTOPES [01]
DA December 1, 1974
BT1 Isotopes
NT1 Zirconium 80
NT1 Zirconium 81
NT1 Zirconium 82
NT1 Zirconium 83
NT1 Zirconium 84
NT1 Zirconium 85
NT1 Zirconium 86
NT1 Zirconium 87
NT1 Zirconium 88
NT1 Zirconium 89
NT1 Zirconium 90
NT1 Zirconium 91
NT1 Zirconium 92
NT1 Zirconium 93
NT1 Zirconium 94
NT1 Zirconium 95
NT1 Zirconium 96
NT1 Zirconium 97
NT1 Zirconium 98
NT1 Zirconium 99
NT1 Zirconium 100
NT1 Zirconium 101
NT1 Zirconium 102
NT1 Zirconium 103
NT1 Zirconium 104

ZIRCONIUM NITRATES [01]
DA December 1, 1974
BT1 Nitrates
BT2 Nitrogen Compounds
BT2 Oxygen Compounds
BT1 Zirconium Compounds
BT2 Transition Element Compounds

ZIRCONIUM NITRIDES [01]
DA December 1, 1974
BT1 Nitrides
BT2 Nitrogen Compounds
BT2 Pnictides
BT1 Zirconium Compounds
BT2 Transition Element Compounds

ZIRCONIUM-OMEGA [01]
DA December 1, 1974
BT1 Zirconium
BT2 Transition Elements
BT3 Metals
BT4 Elements

ZIRCONIUM ORES [01]
DA April 7, 1975
BT1 Ores

ZIRCONIUM OXIDES [01]
DA December 1, 1974
BT1 Oxides
BT2 Chalcogenides
BT2 Oxygen Compounds
BT1 Zirconium Compounds
BT2 Transition Element Compounds
NT1 Marignacite
NT1 Naegite
NT1 Nogizawalite
RT Baddeleyite
RT Oxide Minerals
RT Zirconates
RT Zirconolite

ZIRCONIUM PERCHLORATES [01]
DA March 3, 1978
BT1 Perchlorates
BT2 Chlorine Compounds
BT3 Halogen Compounds
BT2 Oxygen Compounds
BT1 Zirconium Compounds
BT2 Transition Element Compounds

ZIRCONIUM PHOSPHATES [01]
DA December 1, 1974
BT1 Phosphates
BT2 Oxygen Compounds
BT2 Phosphorus Compounds
BT1 Zirconium Compounds
BT2 Transition Element Compounds

ZIRCONIUM PHOSPHIDES [01]
DA February 6, 1975
BT1 Phosphides
BT2 Phosphorus Compounds
BT2 Pnictides
BT1 Zirconium Compounds
BT2 Transition Element Compounds

ZIRCONIUM SELENIDES [01]
DA January 27, 1975
BT1 Selenides
BT2 Chalcogenides
BT2 Selenium Compounds
BT1 Zirconium Compounds
BT2 Transition Element Compounds

ZIRCONIUM SILICATES [01]
DA December 1, 1974
BT1 Silicates
BT2 Oxygen Compounds
BT2 Silicon Compounds
BT1 Zirconium Compounds
BT2 Transition Element Compounds
NT1 Lavenite
NT1 Lovozerite
NT1 Mesodialyte
RT Alvite
RT Catapleite
RT Cyrtolite
RT Elpidite
RT Eudialyte
RT Silicate Minerals
RT Zircon

ZIRCONIUM SILICIDES [01]
DA January 31, 1975
BT1 Silicides
BT2 Silicon Compounds
BT1 Zirconium Compounds
BT2 Transition Element Compounds

ZIRCONIUM SULFATES [01]
DA December 1, 1974
BT1 Sulfates
BT2 Oxygen Compounds
BT2 Sulfur Compounds
BT1 Zirconium Compounds
BT2 Transition Element Compounds

ZIRCONIUM SULFIDES [01]
DA December 1, 1974
BT1 Sulfides
BT2 Chalcogenides
BT2 Sulfur Compounds
BT1 Zirconium Compounds
BT2 Transition Element Compounds

ZIRCONIUM TELLURIDES [01]
DA December 16, 1976
BT1 Tellurides
BT2 Chalcogenides
BT2 Tellurium Compounds
BT1 Zirconium Compounds
BT2 Transition Element Compounds

ZIRCONIUM TUNGSTATES [01]
DA January 23, 1975
BT1 Tungstates
BT1 Zirconium Compounds
BT2 Transition Element Compounds

ZIRCONOLITE [01]
DA June 13, 1981
BT1 Oxide Minerals
BT2 Minerals
RT Calcium Oxides
RT SYNROC Process
RT Titanium Oxides
RT Zirconium Oxides

ZIRFLEX PROCESS [01]
DA December 1, 1974
BT1 Reprocessing
BT2 Separation Processes
RT Solvent Extraction

Zittauer Lehr- und Forschungsreaktor
DA November 24, 1980
USE ZLFR Reactor

ZITTERBEWEGUNG [01]
DA December 1, 1974
RT Quantum Mechanics

ZLFR REACTOR [01]
(Ingenieurhochschule, Zittau, Federal Republic of Germany.)
DA November 24, 1980
UF *Zittauer Lehr- und Forschungsreaktor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Water Moderated Reactors
BT2 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

ZODIACAL LIGHT [01]
DA December 1, 1974
UF *Gegenschein*
UF *Light (Zodiacal)*
BT1 Electromagnetic Radiation
BT2 Radiations
RT Interplanetary Space
RT Solar Radiation

Zoe Reactor
DA December 1, 1974
USE EL-1 Reactor

ZONE MELTING [01]
DA December 1, 1974
UF *Floating Zone Techniques*
BT1 Melting
BT2 Phase Transformations
RT Crystal Growth
RT Ribbon-to-Ribbon Method

ZONE REFINING [01]
DA December 1, 1974
BT1 Refining
BT2 Processing
BT1 Separation Processes
RT Crystallization
RT Metallurgy
RT Reprocessing

ZONES [01]
DA December 1, 1974
NT1 Brillouin Zones
NT1 Guinier-Preston Zones
NT1 Heat Affected Zone
RT Coastal Zone Management Act

Zones (Auroral)
DA December 1, 1974
USE Auroral Zones

Zones (Rift)
DA November 8, 1980
USE Rift Zones

Zones (Temperate)
DA November 8, 1980
USE Temperate Zones

ZONING
DA May 6, 1980
RT Land Use
RT Laws
RT Planning
RT Regulations

ZOOLOGY [01]
DA December 1, 1974
BT1 Biology

ZOOPLANKTON [01]
DA January 10, 1977
BT1 Plankton
BT2 Aquatic Organisms
RT Copepods
RT Crustaceans
RT Daphnia
RT Protozoa

ZORITA-1 REACTOR [01]
DA December 1, 1974
UF *Central Nuclear De Zorita-1*
UF *Jose Cabrera Reactor*
BT1 PWR Type Reactors
BT2 Enriched Uranium Reactors
BT3 Reactors
BT2 Power Reactors
BT3 Reactors
BT2 Thermal Reactors
BT3 Reactors
BT2 Water Cooled Reactors
BT3 Reactors
BT2 Water Moderated Reactors
BT3 Reactors

ZPPR REACTOR [01]
DA December 1, 1974
BT1 Fast Reactors
BT2 Epithermal Reactors
BT3 Reactors
BT1 Research Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

ZPR-3 REACTOR [01]
(Variously fuelled, unmoderated, uncooled.)
DA December 1, 1974
BT1 Fast Reactors
BT2 Epithermal Reactors
BT3 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

ZPR-6 REACTOR [01]
(Variously fuelled, unmoderated, uncooled.)
DA December 1, 1974
BT1 Fast Reactors
BT2 Epithermal Reactors
BT3 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

ZPR-9 REACTOR [01]
(Uncooled.)
DA December 1, 1974
BT1 Fast Reactors
BT2 Epithermal Reactors
BT3 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors
RT Breeder Reactors
RT Propulsion Reactors

ZPR REACTOR [01]
(Cornell University, Ward Laboratory of Nuclear Engineering, Ithaca, New York, USA.)
DA December 1, 1974
UF *Cornell University Zero Power Reactor*
BT1 Enriched Uranium Reactors
BT2 Reactors
BT1 Tank Type Reactors
BT2 Reactors
BT1 Thermal Reactors
BT2 Reactors
BT1 Training Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

ZR-6 REACTOR [01]
DA July 29, 1975
BT1 Water Cooled Reactors
BT2 Reactors
BT1 Zero Power Reactors
BT2 Experimental Reactors
BT3 Research and Test Reactors
BT4 Reactors

ZRR REACTOR [01]
DA December 1, 1974
BT1 Experimental Reactors
BT2 Research and Test Reactors
BT3 Reactors
BT1 Fast Reactors
BT2 Epithermal Reactors
BT3 Reactors
BT1 Sodium Cooled Reactors
BT2 Liquid Metal Cooled Reactors
BT3 Reactors

ZT-40 DEVICES [01]
DA January 23, 1978
RT Reverse-Field Pinch

ZT-P DEVICES [01]
DA April 11, 1986
RT Reverse-Field Pinch

ZUNI EVENT [01]
DA May 23, 1984
BT1 Redwing Project
BT1 Surface Explosions
BT2 Explosions
RT Bikini

Zwentendorf Reactor
DA October 20, 1982
USE Tullnerfeld Reactor

ZYGOTES [01]
DA February 20, 1976
RT Fertilization
RT Gametes
RT Ontogenesis
RT Reproduction

ZYMOMONAS MOBILIS [01]
DA May 12, 1982
BT1 Bacteria
BT2 Microorganisms
RT Anaerobic Conditions

ZYMOSAN [01]
DA January 12, 1974
RT Complement
RT Polysaccharides
RT Properdin
RT Tissue Extracts
RT Yeasts
DEF A protein-carbohydrate complex isolated from yeast used to activate the immune system in response to microbial infection. The action of zymosan derives from its ability to stimulate properidin.

DATE
FILMED
5/3/94

END