

**PACKAGE ID** - 001240MLTPL00 TART97

**KWIC TITLE** - A Coupled Neutron-Photon 3-D Combinatorial  
Geometry Monte Carlo Transport Code

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**LIMITATION CODE** -UNL                   **AUDIENCE CODE** - UNL

**COMPLETION DATE** - 11/22/1997   **PUBLICATION DATE** - 11/22/1997

**DESCRIPTION** - TART97 is a coupled neutron-photon, 3 dimensional, combinatorial geometry, time dependent Monte Carlo transport code. This code can run on any modern computer. It is a complete system to assist you with input preparation, running Monte Carlo calculations, and analysis of output results. TART97 is also incredibly fast: if you have used similar codes, you will be amazed at how fast this code is compared to other similar codes. Use of the entire system can save you a great deal of time and energy. TART 97 is distributed on CD. This CD contains on-line documentation for all codes included in the system, the codes configured to run on a variety of computers, and many example problems that you can use to familiarize yourself with the system. TART97 completely supersedes all older versions of TART, and it is strongly recommended that users only use the most recent version of TART97 and ist data files.

**PACKAGE CONTENTS** - Media Directory; Software Abstract; Installation Instructions; Media Includes Source Code, Executable Modules, Auxilliary Material, Compilation Instructions, Sample Problem Input and Output Data, Linking Instructions, User's Guide, Documentation is in Microsoft Word;

**SOURCE CODE INCLUDED?** - Yes

**MEDIA QUANTITY** - 1 CD-ROM

**METHOD OF SOLUTION** - Monte Carlo Transport

**COMPUTER** - MLT-PLTFM

**OPERATING SYSTEMS** - Machine dependent

**PROGRAMMING LANGUAGES** - FORTRAN-77

**SOURCE CODE AVAILABLE (Y/N)** - Y

**RELATED SOFTWARE** - TART97 is a complete system of codes designed to help users prepare input, run Monte Carlo transport calculations, and analyze results. For a complete list of all codes in this system, see TART97 A Coupled Neutron Photon 3-D, Combinatorial Geometry Monte Carlo Transport Code, UCRL-ID-126455, Rev.1.

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**RELATED SOFTWARE - (CONT)**

**HARDWARE REQS** - Any computer with at least \* MB of memory and 15 MB of disk storage.

**TIME REQUIREMENTS** - Varies widely from one application to another

**ABSTRACT STATUS** - Released AS-IS 8/24/1998.

**SUBJECT CLASS CODE** - Z

**KEYWORDS -**

COMPUTER PROGRAM DOCUMENTATION  
T CODES  
MONTE CARLO METHOD  
TRANSPORT

**EDB SUBJECT CATEGORIES -**  
990200

**SPONSOR** - DOE/DP

**PACKAGE TYPE** - AS - IS