

PACKAGE ID - 001086SPARC00 DB EXP ASSEMBLY

KWIC TITLE - Programs for Assembling SBH Experiments

AUTHORS - Milosavljevic, A.
Argonne National Lab., IL (United States)

LIMITATION CODE -COPY **AUDIENCE CODE** - LIM

COMPLETION DATE - 03/01/1994 **PUBLICATION DATE** - 03/01/1994

DESCRIPTION - DB EXP ASSEMBLY is a suite of programs that enable selection of bundles of data, which are referred to as experiments, from the DB SBH archival database. In other words, an experiment is a bundle of data which is analyzed as a unit. Program DBJ creates raw experiments based on initial specification. Program DBK then tests the experiments for a number of consistency and completeness criteria, reports bugs in the experiment and recommends solutions, and performs the desired corrections. An experiment that has passed the final DBK test is ready for analysis by the DB DISCOVERY programs.

PACKAGE CONTENTS - Media Directory; Software Abstract; Media Includes Source Code, User's Guide;

SOURCE CODE INCLUDED? - Yes

MEDIA QUANTITY - 1 3.5 Diskette

METHOD OF SOLUTION - Sybase Transact-SQL stored procedures and the DBJ and DBK C programs.

COMPUTER - SUN SPARC

OPERATING SYSTEMS - Sun UNIX

PROGRAMMING LANGUAGES - SQL, C, C++

SOURCE CODE AVAILABLE (Y/N) - Y

UNIQUE FEATURES - Experiment assembly is a novel concept first implemented by this software. The concept saves great amounts of data analysis time; an experiment can be assembled and debugged within one hour, compared to a few days without the experiment assembly software. The concept has the potential for expansion to environments consisting of multiple databases.

RELATED SOFTWARE - DB SBH, DB SBH VIEW, DB DISCOVERY, and DB LIB

OTHER PROG/OPER SYS INFO - DB EXP ASSEMBLY requires the standard Sybase db-library and Sybase server.

HARDWARE REQS - Standard Sun workstation configuration

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TIME REQUIREMENTS - A typical experiment can be assembled within one hour of user time and approximately 20 to 40 minutes of CPU time.

ABSTRACT STATUS - Submitted 4/4/96. Released AS-IS 6/25/96

SUBJECT CLASS CODE - YM

KEYWORDS -

COMPUTER PROGRAM DOCUMENTATION
D CODES
DATA ANALYSIS
DNA SEQUENCING
MOLECULAR BIOLOGY
GENOME MUTATIONS

EDB SUBJECT CATEGORIES -

990200 550200 550400

SPONSOR - DOE/EH

PACKAGE TYPE - AS - IS