

PACKAGE ID - 001211MLTPL00 EXOII

KWIC TITLE - Software library for Storing and Retrieving
Mesh and Results of Finite Element

AUTHORS - Schoof, L.
Sandia National Labs., Albuquerque, NM (United States)

Yarberry, V.R.
Sandia National Labs., Albuquerque, NM (United States)

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

COMPLETION DATE - 03/01/1994 **PUBLICATION DATE** - 09/01/1996

DESCRIPTION - EXOII is a model developed to store and retrieve data for finite element analyses. It is used for preprocessing (problem definition), postprocessing (results visualization), as well as code to code transfer. An EXOII data file is a random access, machine independent, binary file that is written and read via C, C++, or Fortran library routines which comprise the Application Programming Interface (API).

PACKAGE CONTENTS - Media Directory; Software Abstract; SAND92-2137; Media Includes Source Code, User's Guide, Compilation Instructions, Linking Instructions, Sample Problem Input and Output;

SOURCE CODE INCLUDED? - Yes

MEDIA QUANTITY - 1 CD Rom

METHOD OF SOLUTION - EXOII uses the netCDF software library for its low level data format. An EXII file is a netCDF file.

COMPUTER - MLT-PLTFM

OPERATING SYSTEMS - IRIX5.x, IRIX6.x, OSF, DEC UNIX, HPUX, SunOS4.x, SunOS5.x, UNICOS

PROGRAMMING LANGUAGES - ANSI C

SOFTWARE LIMITATIONS - The size of EXOII files are currently limited by netCDF to 2GB.

SOURCE CODE AVAILABLE (Y/N) - Y

UNIQUE FEATURES - An EXOII file is a binary, machine independent, random access file.

RELATED SOFTWARE - The EXOII functions call netCDF library routines. EXOII was derived from the GENESIS and EXOI file formats.

REFERENCES - Larry A Schoof and Victor R Yarberry, EXODUS II: A Finite Element Data Model, SAND92-2137, September 1996.

E S T S C
ENERGY SCIENCE & TECHNOLOGY SOFTWARE CENTER
SOFTWARE ABSTRACT

PAGE 2
DATE 03/11/2002

PACKAGE ID - 001211MLTPL00 EXOII

REFERENCES - (CONT)

ABSTRACT STATUS - Released AS-IS 4/27/1998.

SUBJECT CLASS CODE - Z

KEYWORDS -

COMPUTER PROGRAM DOCUMENTATION
E CODES
FINITE ELEMENT METHOD

EDB SUBJECT CATEGORIES -

990200

SPONSOR - DOE/DP

PACKAGE TYPE - AS - IS