

PACKAGE ID - 000813SPARC00 FASTADVICE

KWIC TITLE - Integrated Circuit Failure Analysis Expert
System

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

COMPLETION DATE - 09/30/1994 **PUBLICATION DATE** - 09/01/1994

DESCRIPTION - The software assists a failure analyst performing failure analysis on intergrated circuits. The software can also be used to train inexperienced failure analysts. The software also provides a method for storing information and making it easily available to experienced failure analysts.

PACKAGE CONTENTS - Media Directory; Software Abstract; Media Includes Source Code, Executable Module;

SOURCE CODE INCLUDED? - Yes

MEDIA QUANTITY - 1 CD Rom

METHOD OF SOLUTION - This software uses several artificial intelligence solutions including backward chaining, forward chaining, blackboard methodology, and object oriented programming.

COMPUTER - SUN SPARC

OPERATING SYSTEMS - SUN OS 4.1.3, Solaris 1.1.1

PROGRAMMING LANGUAGES - Production Rule Language (PRL)

SOFTWARE LIMITATIONS - Interactive, not applicable

SOURCE CODE AVAILABLE (Y/N) - Y

UNIQUE FEATURES - This is the only interactive failure analysis expert system for integrated circuits available.

RELATED SOFTWARE - FASTHelp, FASTData both can be used in conjunction.

OTHER PROG/OPER SYS INFO - In order to run this package, the user will need Level 5 Object Release 3.0 for UNIX (developed by Level 5 Research, Indialantic FL.)

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OTHER PROG/OPER SYS INFO - (CONT)

HARDWARE REQS - Software requires 32MB of RAM and approximately 80 MB of free disk space.

TIME REQUIREMENTS - Software id interactive, requires 3-30 seconds wait while exchanging modules.

ABSTRACT STATUS - Submitted 4/11/95. Released AS-IS 7/19/95.

SUBJECT CLASS CODE - T

KEYWORDS -

COMPUTER PROGRAM DOCUMENTATION
F CODES
INTEGRATED CIRCUITS
SYSTEM FAILURE ANALYSIS
EXPERT SYSTEMS

EDB SUBJECT CATEGORIES -

990200 426000

SPONSOR - DOE/DP

PACKAGE TYPE - AS - IS