

PACKAGE ID - 000577SUN0000 XB

KWIC TITLE - Creator of Graphic Displays of a Variety of
Network Statistics Simultaneously

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

COMPLETION DATE - 03/01/1992 **PUBLICATION DATE** - 03/01/1992

DESCRIPTION - A network observer, XB yields graphic displays of a variety of statistics simultaneously for 13 emeters. Eleven plots for each emeter are presented in a window in a contiguous manner, sharing labels and a time axis. Approximately 15 of these windows of 11 plots can be shown on the screen of a SUN computer at one time.

PACKAGE CONTENTS - Media Directory; Software Abstract; ORNL/CSD/TM-285;

SOURCE CODE INCLUDED? - No

MEDIA QUANTITY - 1 5.25 Diskette

METHOD OF SOLUTION - Acquisition of network traffic counts.

COMPUTER - SUN

OPERATING SYSTEMS - SUN OS

PROGRAMMING LANGUAGES - Unix, C, Shell Scripts

SOURCE CODE AVAILABLE (Y/N) - N

UNIQUE FEATURES - Concise representations of the status of a network.

RELATED SOFTWARE - Dr. Tom Dunigan, Jr.'s XTRAFFIC.C code and the XMX code written at Brown University are used to multiplex graphs to users at remote sites. By operating in this manner the remote user gets the information without having to query the emeter directly. The emeter is then not overloaded by requests for information, and the operation of the network is more efficient.

OTHER PROG/OPER SYS INFO - System only accesses approved emeters. This package requires an X11 (X-WINDOWS) library.

HARDWARE REQS - Current versions of XB run on the SUN computer and can be extended to other platforms.

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TIME REQUIREMENTS - XB runs in real time.

REFERENCES - Malcolm R. Patterson and Dan O. Harton, 'The Network Observer, A User's Manual and Programmer's Guide for the XB Code', ORNL/CSD/TM-285, March 1992

ABSTRACT STATUS - Submitted May 1993. Released AS-IS August 1993.

SUBJECT CLASS CODE - P

KEYWORDS -

COMPUTER PROGRAM DOCUMENTATION
X CODES
COMPUTER GRAPHICS
COMPUTER NETWORKS
STATISTICS

EDB SUBJECT CATEGORIES -
990200

SPONSOR - DOE/ER

PACKAGE TYPE - AS - IS