

INTRODUCTION TO PROGRAMMING THE X WINDOW SYSTEM™ VERSION 1 1

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Introduction: History, Philosophy and Goals of X
X Window System Architecture
Hello, World!
Using X
Access to Information

Windows
Window Manager Conventions
Graphics: GCs, drawing, text

Color
Graphics: images, pixmap
Input: Introduction to event handling

Using input effectively
Inter-client communications

* X Window System is a trademark of M.I.T.

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Thanks, everybody!

WHERE YOU CAN GET THE X WINDOW SYSTEM DISTRIBUTION

Magnetic Tape:

To order a complete X distribution, send a check for U.S. \$400 to:

MIT Software Distribution Center
MIT E32-300
77 Massachusetts Avenue
Cambridge, Massachusetts 02139
(617) 253-6966

MIT cannot accept purchase orders. The distribution comes on a two 9-track 1600bpi tapes written in Unix tar(1) format, along with one copy of the printed documentation. Other distribution media or formats are not available. Express mail shipment is available for a surcharge; call the telephone number above if you desire this.

As of V11R2, X consists of two distributions:

- 1) core distribution (supported by the X consortium staff)
- 2) user-contributed software

Your \$400 gets you both.

Internet FTP:

<u>Host</u>	<u>IP</u>	<u>Access</u>
expo.lcs.mit.edu	18.30.0.212	Anonymous FTP
decwrl.dec.com	128.45.1.1	Anonymous FTP
	26.7.0.16	

Look in the directory tree pub/X.V11R2

Project Athena would be happy to have other distribution sites; if you want to volunteer your site, post the details to comp.windows.x.

Where you can't get the distribution

At this course.

(Please don't ask—we really don't have any tapes available)
From Robert Scheifler, Project Athena, or course speakers.

X BUG FIXES

Fixes by netmail

Individual fixes and batches can be obtained by mail by sending a message to

xstuff@expo.lcs.mit.edu (address 18.30.0.212).

The message should have a subject line and no body, or a single-line body and no subject. In either case the line should be something like one of these:

send fixes 1 3 5 7

send fixes 1-10 15 21-30

If you need help, make the line:

help

To find out what fixes and batches exist, make the line:

index fixes

The index (see the next page) will basically just tell you what the highest number fix is, and what batches are available. A "summary" of fixes is not available by mail; if you want fixes, get them all.

Fixes by FTP

Fixes are available via anonymous ftp to

zap.mit.edu (18.72.0.126) and

decwrl.dec.com (128.45.0.1)

in files with prefix "FIXES". Fixes get put there in batches at intervals only.

Reporting bugs

Send bug reports to **xbugs@athena.mit.edu**. Please be as specific as possible when reporting bugs.

ACCESS TO INFORMATION

XLib—C Language X Interface:

Gettys, Newman, Scheifler

X Toolkit Widgets — C Language X Interface

Swick, Weissman

X Toolkit Intrinsics — C Language X Interface

McCormack, Asente, Swick

X Window System Protocol, Version 11

Scheifler

Inter-client communications conventions manual

Rosenthal

The X.V11R2 Tapes

Usenet: comp.windows.x