

TEX OUTPUT PREVIEWERS

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Sometimes it's faster and cheaper to view TEX output at your desk before or instead of printing it on a laser printer or phototypesetter. A TEX output previewer displays TEX output on a VDU (video display unit).

Previewers are in use on VDUs that have from 80×20 to at least 1152×900 individually addressable elements.

An entire page usually won't fit on a screen when using fonts that are large enough to be read comfortably. By panning (scrolling) one can look at other parts of the page. One can look at different pages by going through the pages in order, skipping to a page by giving its "real" or TEX (`\count0`) page number, or (sometimes) by searching for a word on a page.

The previewer available from Andrew Trevorror does the best it can given the features of the VDU used for the display. It supports a wide variety of VDUs of varying intelligence, including the AED 483, AED 512, ANSI, DEC ReGIS, DEC VT100, Visual 500, Visual 550. It is described in more detail in "DVItOVDU: A TEX Page Previewer," page 25.

The other previewers listed below work by putting a pixel-for-pixel facsimile on their VDUs. Three different modes are available while running the Trevorror previewers: *terse* substitutes standard hardware characters for TEX characters; *box* displays the outline of each character's bounding box (the smallest rectangle containing all black pixels for this character); *full* displays full character bitmaps. (On $80w \times 20h$ displays where each character position represents one pixel you won't see much of your document in *full* mode.)

Figure 1.

Video Display Previewers.

C EGA, Hercules, or Tecmar card required.

D Included on the U WASH distribution tape.

E Integrated editor allows T_EX'ing part of an input file.

H Has on-line help file.

P Work in progress or in planning stages.

T Has tpic support. (The pic program is used with the UNIX troff typesetting system to produce line graphics, and the tpic program allows pic input to be used with T_EX.)

W Previewer and another program (say an editor) can both be on-screen in separate windows.

Z Preview image can be enlarged for close inspection.

Apollo Aegis W, Z	Bruce Baker 313-996-3566	Textset Box 7993 Ann Arbor, MI 48107
BBN BitGraph UNIX 4.2 BSD D	Mark Senn 317-743-0560	107 Digby Road Lafayette, IN 47905-1163
DEC VAXstation VMS, UNIX P, W, Z	Bruce Baker 313-996-3566	Textset Box 7993 Ann Arbor, MI 48107
DEC VAX VMS H, Z	Andrew Trevorrow 08-228-5984	University of Adelaide Computing Centre Box 498, GPO, Adelaide South Australia 5001, Australia
IBM PC MS-DOS C, Z	Toni Formichella 617-944-3700x2640	Addison-Wesley Publishing Educational Media Systems Reading MA 01867
IBM PC MS-DOS C, Z	Lance Carnes 415-388-8853	Personal T _E X 20 Sunnyside, Suite H Mill Valley CA 94941
IBM PC MS-DOS C, Z	Bruce Baker 313-996-3566	Textset Box 7993 Ann Arbor, MI 48107
Integrated Solutions UNIX 4.2 BSD W, T	David Benjamin	University of California, Irvine Department of Information and Computer Science Irvine CA 92717
Perq PNX E, W	Wolfgang Appelt	Gesellschaft für Mathematik und Datenverarbeitung D-5202 Sankt Augustin Federal Republic of Germany
Sun Microsystems UNIX 4.2 BSD H, W	Michael Harrison 415-642-1469	University of California, Berkeley Computer Science Division Berkeley, CA 94720
Sun Microsystems UNIX 4.2 BSD D, T	Tim Morgan	University of California, Irvine Department of Information and Computer Science Irvine CA 92717
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