Request for Information

The \TeX{} Users Group maintains a database and publishes a membership list containing information about the equipment on which \TeX{} is (or will be) installed and about the applications for which \TeX{} is used. This list is updated periodically and distributed to members with TUGboat, to permit them to identify others with similar interests. Thus, it is important that the information be complete and up-to-date.

Please answer the questions below, in particular those regarding the status of \TeX{} and the hardware on which it runs. (Operating system information is particularly important in the case of IBM mainframes and VAX.) This hardware information is used to group members in the listings by computer and output device.

If accurate information has already been provided by another TUG member at your site, indicate that member's name and the same information will be repeated automatically under your name. If your current listing is correct, you need not answer these questions again. Your cooperation is appreciated.

- Send completed form with remittance (checks, money orders, UNESCO coupons) to:
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  P. O. Box 594
  Providence, Rhode Island 02901, U.S.A.

- For foreign bank transfers direct payment to the \TeX{} Users Group, account #002-031375, at:
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- General correspondence about TUG should be addressed to:
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  Providence, Rhode Island 02940-9506, U.S.A.

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Specific applications or reason for interest in \TeX{}:

My installation can offer the following software or technical support to TUG:

Please list high-level \TeX{} users at your site who would not mind being contacted for information; give name, address, and telephone.

Date: ____________________________

Status of \TeX{}: [ ] Under consideration
[ ] Being installed
[ ] Up and running since: ________

Approximate number of users: ________

Version of \TeX{}:

[ ] Pascal
[ ] C
[ ] other (describe)

From whom obtained: ____________________________

Hardware on which \TeX{} is used:

<table>
<thead>
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<th>Computer(s)</th>
<th>Operating system(s)</th>
<th>Output device(s)</th>
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The Joy of \TeX is the user-friendly user’s guide for \ams-\TeX, an extension of \TeX, Donald Knuth’s revolutionary program for typesetting technical material. \ams-\TeX was designed to simplify the input of mathematical material in particular, and to format the output according to any of various preset style specifications.

There are two primary features of the \TeX system: it is a computer system for typesetting technical text, especially text containing a great deal of mathematics; and it is a system for producing beautiful text, comparable to the work of the finest printers.

Most importantly, \TeX’s capabilities are not available only to \TeXperts. While mathematicians and experienced technical typists will find that \TeX allows them to specify mathematical formulas with great accuracy and still have control over the finished product, even novice technical typists will find the manual easy to use in helping them produce beautiful technical \TeX.

This book is designed as a user’s guide to the \ams-\TeX macro package and details many features of this extremely useful text processing package. Parts 1 and 2, entitled “Starters” and “Main Courses,” teach the reader how to typeset most normally encountered text and mathematics. “Sauces and Pickles,” the third section, treats more exotic problems and includes a 60-page dictionary of special \TeXniques.

Exercises sprinkled generously through each chapter encourage the reader to sit down at a terminal and learn through experimentation. Appendixes list summaries of frequently used and more esoteric symbols as well as answers to the exercises.
Updated \TeX\ Products

\AMS-\TeX\ Version 2.0 (Available January 1990)
\AMS-\TeX\, the \TeX\ macro package that simplifies the typesetting of complex mathematics, has been updated to version 2.0. \AMS-\TeX\ is intended to be used in conjunction with AMSFonts 2.0 (see below). However, if the purchaser does not need the extra symbols and Euler characters found in AMSFonts, \AMS-\TeX\ can be run without AMSFonts. (\AMS-\TeX\ 2.0 cannot be used with previous versions of AMSFonts.) \AMS-\TeX\ is available on IBM or Macintosh diskettes—either format may be uploaded to many mainframe computers.

AMSFonts Version 2.0 (Available January 1990)

AMSFonts 2.0 are designed either for use with \AMS-\TeX\ 2.0, or for use with Plain \TeX. (AMSFonts 2.0 cannot be used with previous versions of \AMS-\TeX.) There will be two distributions of fonts: one that can be used on PC’s as well as mainframes, and one that can be used on a Macintosh with Textures. The fonts that will be included on these distributions are:

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<tr>
<th>Font Name Description</th>
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<td>CM Caps and Small Caps</td>
<td>5-9*</td>
<td>MSAM Symbols</td>
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<tr>
<td>CM/MIB</td>
<td>CM Math Italic Boldface</td>
<td>5-9*</td>
<td>MSBM Symbols (w/Blackboard Bold)</td>
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<td>CMBS/Y</td>
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* 10 point is included in the standard \TeX\ distribution.
** Developed by the University of Washington

AMSFonts for PC or mainframe
- Font Resolution: 118, 180, 240, 300, 400 dpi (one resolution per order).
- Magnification: All the standard \TeX\ magnifications will be included. The standard magnifications are: 100, 109.5, 120, 144, 172.8, 207.4, and 248.8%.
- Format: Available on both 3.5" and 5.25" diskettes, in either high or low density (the default will be 5.25", high density).

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- Font Resolution: 72, 144, and 300 dpi (all resolutions included in each order).
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\AMS-\TeX\: List $30, AMS member $27
AMSFonts: List $45, AMS member $41
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Shipping and handling: $8 per order in the US and Canada, $15 elsewhere.

HOW TO ORDER: Prepayment is required. Free upgrades are available for those who have purchased previous versions. When ordering AMSFonts for the PC, specify desired resolution, diskette size, and diskette density.

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