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# TEX

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## Virtual Fonts



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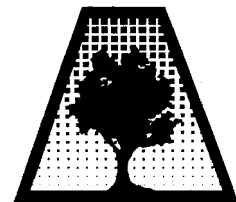
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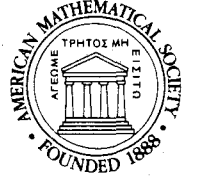
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# Updated T<sub>E</sub>X Products from the American Mathematical Society



## AMS-T<sub>E</sub>X Version 2.0

AMS-T<sub>E</sub>X, the T<sub>E</sub>X macro package that simplifies the typesetting of complex mathematics, has been updated to version 2.0. AMS-T<sub>E</sub>X is intended to be used in conjunction with AMSFonts 2.0 (see below). However, AMS-T<sub>E</sub>X can also be used without AMSFonts. AMS-T<sub>E</sub>X is available on IBM or Macintosh diskettes—either format may be uploaded to many mainframe computers. **Prices:** \$32 list, \$29 AMS member.

## AMSFonts Version 2.0

AMSFonts 2.0 are designed for use with either AMS-T<sub>E</sub>X 2.0 or Plain T<sub>E</sub>X. AMSFonts 2.0 **cannot** be used with previous versions of AMS-T<sub>E</sub>X. Two distributions of fonts are available: one for use on PCs and mainframes (with any implementation of T<sub>E</sub>X), the other for use on a Macintosh with *Textures*. The fonts included on these distributions are:

Font Name	Description	Point Sizes	Font Name	Description	Point Sizes
CMEX	CM Math Extension	7-9*	EUSM	Euler Script Medium	5-10
CMCSC	CM Caps and Small Caps	8-9*	EUEX	Euler Compatible Extension	7-10
CMMIB	CM Math Italic Boldface	5-9*	MSAM	Symbols	5-10
CMBSY	CM Bold Symbols	5-9*	MSBM	Symbols (w/Blackboard Bold)	5-10
EURB	Euler Cursive Boldface	5-10	WNCYR	Cyrillic Upright	5-10**
EURM	Euler Cursive Medium	5-10	WNCYI	Cyrillic Italic	5-10**
EUFB	Euler Fraktur Boldface	5-10	WNCYB	Cyrillic Boldface	5-10**
EUFM	Euler Fraktur Medium	5-10	WNCYSC	Cyrillic Caps and Small Caps	10**
EUSB	Euler Script Boldface	5-10	WNCYSS	Cyrillic Sans Serif	8-10**

\* 10 point is included in the standard T<sub>E</sub>X distribution.

\*\* Developed by the University of Washington

### AMSFonts for use on a PC or mainframe

- Font Resolution: 118, 180, 240, 300, 400 dpi (one resolution per order).
- Magnification: All the standard T<sub>E</sub>X magnifications are included. The standard magnifications are: 100, 109.5, 120, 144, 172.8, 207.4, and 248.8%.
- Format: high-density 5.25" diskettes.
- Prices: \$48 list, \$43 AMS member.

### AMSFonts for use on a Macintosh with *Textures*

- Font Resolution: 72, 144, and 300 dpi (all resolutions included in each order.)
- Magnification: The standard distribution includes fonts at 100% and 120%. An extended distribution, containing all the standard T<sub>E</sub>X magsteps, is also available.
- Format: double-sided double-density 3.5" diskettes.
- Prices: *Standard* (magsteps 0-1): \$32 list, \$29 AMS member. *Extended* (magsteps 0-5): \$48 list, \$43 AMS member.

**SHIPPING AND HANDLING CHARGE:** \$8 per order in the US and Canada, \$15 elsewhere.

**HOW TO ORDER:** Prepayment is required. Send orders to: American Mathematical Society, P. O. Box 1571, Annex Station, Providence, RI 02901 or call the AMS at (401) 455-4000, or (800) 321-4AMS in the continental U.S. and Canada, or write to: T<sub>E</sub>X Library, American Mathematical Society, P.O. Box 6248, Providence, RI 02940. Fax: (401) 455-4004 Telex: 797192. When ordering AMSFonts for the PC, specify desired resolution.

# Public Domain T<sub>E</sub>X

The public domain versions of T<sub>E</sub>X software are available from *Maria Code - Data Processing Services* by special arrangement with Stanford University and other contributing universities. The standard distribution tape contains the source of T<sub>E</sub>X and METAFONT, the macro libraries for A<sub>M</sub>S-T<sub>E</sub>X, L<sub>A</sub>T<sub>E</sub>X, SliT<sub>E</sub>X and HP T<sub>E</sub>X, sample device drivers for a Versetec and LN03 printers, documentation files, and many useful tools.

Since these are in the public domain, they may be used and copied without royalty concerns. A portion of your tape cost is used to support development at Stanford University.

Compiled versions of T<sub>E</sub>X are available for DEC VAX/VMS, IBM CMS, IBM MVS and DEC TOPS systems. Systems using a standard format must compile T<sub>E</sub>X with a Pascal compiler.

## T<sub>E</sub>X Order Form

### T<sub>E</sub>X Distribution tapes:

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- \_\_\_ Special IBM MVS format

### Font Library Tapes (GF files)

- \_\_\_ 300 dpi VAX/VMS format
- \_\_\_ 300 dpi generic format
- \_\_\_ IBM 3820/3812 MVS format
- \_\_\_ IBM 3800 CMS format
- \_\_\_ IBM 4250 CMS format
- \_\_\_ IBM 3820/3812 CMS format

Tape prices: \$92.00 for first tape, \$72.00 for each additional tape. Postage: allow 2 lbs. for each tape.

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METAFONT book (vol. C) softcover .....	22.00	2	___
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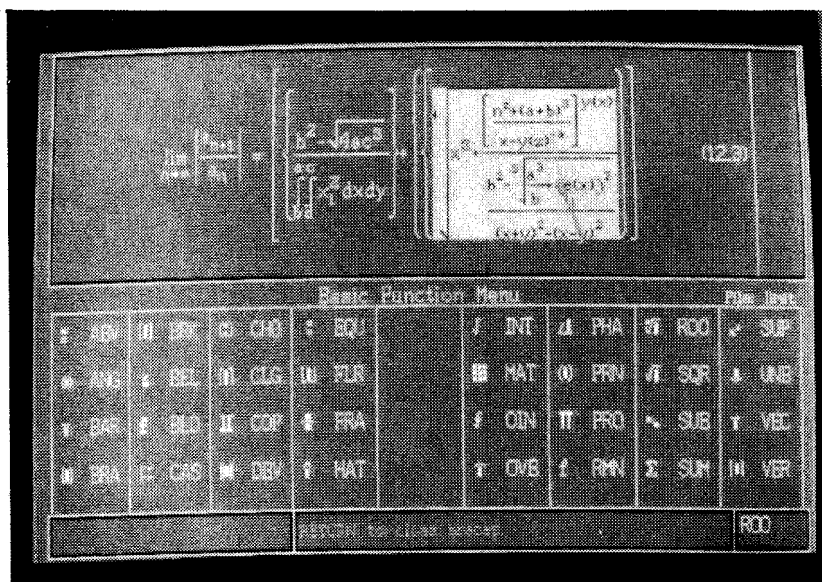
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<b>Page &amp; Memory Capacity</b>	mem_max	65534	<b>131070</b>	<b>131070</b>	<b>262140</b>
You won't see "T <sub>E</sub> X Capacity Exceeded"!		(1.00)	(Double!)	(Double!)	(Quadruple!)
<b>Hyphenation Table Size</b>	trie_size	15000	<b>30000</b>	<b>30000</b>	<b>60000</b>
Space for hyphenation patterns		(1.00)	(Double!)	(Double!)	(Quadruple!)
<b>Trie Op Size</b>	trie_op_size	255	<b>1024</b>	<b>1024</b>	<b>2048</b>
Complexity of hyphenation patterns		(1.00)	(4.02)	(4.02)	(8.03)
<b>Maximum Trie Ops Per Language</b>		N/A	<b>512</b>	<b>512</b>	<b>512</b>
Especially important for Dutch and German hyphenation					
<b>Buffer Size</b>	buf_size	1024	<b>1500</b>	<b>1500</b>	<b>3000</b>
Maximum # of characters on input lines		(1.00)	(1.46)	(1.46)	(2.93)
<b>Stack Size</b>	stack_size	200	<b>200</b>	<b>200</b>	<b>300</b>
Maximum # of simultaneous input sources		(1.00)	(1.00)	(1.00)	(1.50)
<b>Maximum # of Strings</b>	max_strings	4500	<b>5000</b>	<b>5000</b>	<b>10000</b>
		(1.00)	(1.11)	(1.11)	(2.22)
<b>String Pool</b>	pool_size	50000	<b>50000</b>	<b>60000</b>	<b>60000</b>
Maximum # of characters in strings		(1.00)	(1.00)	(1.20)	(1.20)
<b>Save Size</b>	save_size	600	<b>2000</b>	<b>2000</b>	<b>4000</b>
Space for saving values outside current group		(1.00)	(3.33)	(3.33)	(6.67)
<b>Maximum # of T<sub>E</sub>X Commands</b>	hash_size	3000	<b>5000</b>	<b>5000</b>	<b>10000</b>
		(1.00)	(1.66)	(1.66)	(3.33)
<b>Minimum Free RAM Required</b>		385K	<b>385K</b>	<b>1.3M</b>	<b>1.3M</b>
		(1.00)	(1.00)	(3.38)	(3.38)
<b>Minimum Free RAM Recommended</b>		550K	<b>550K</b>	<b>1.3M</b>	<b>4.0M</b>
Memory recommended for optimum performance		(1.00)	(1.00)	(2.36)	(7.27)
<b>Font Memory</b>	font_mem_size	51199	<b>65534</b>	<b>65534</b>	<b>65534</b>
For TFM data storage		(1.00)	(1.28)	(1.28)	(1.28)
<b>Maximum Fonts Per Job</b>	font_max	127	<b>127</b>	<b>127</b>	<b>255</b>
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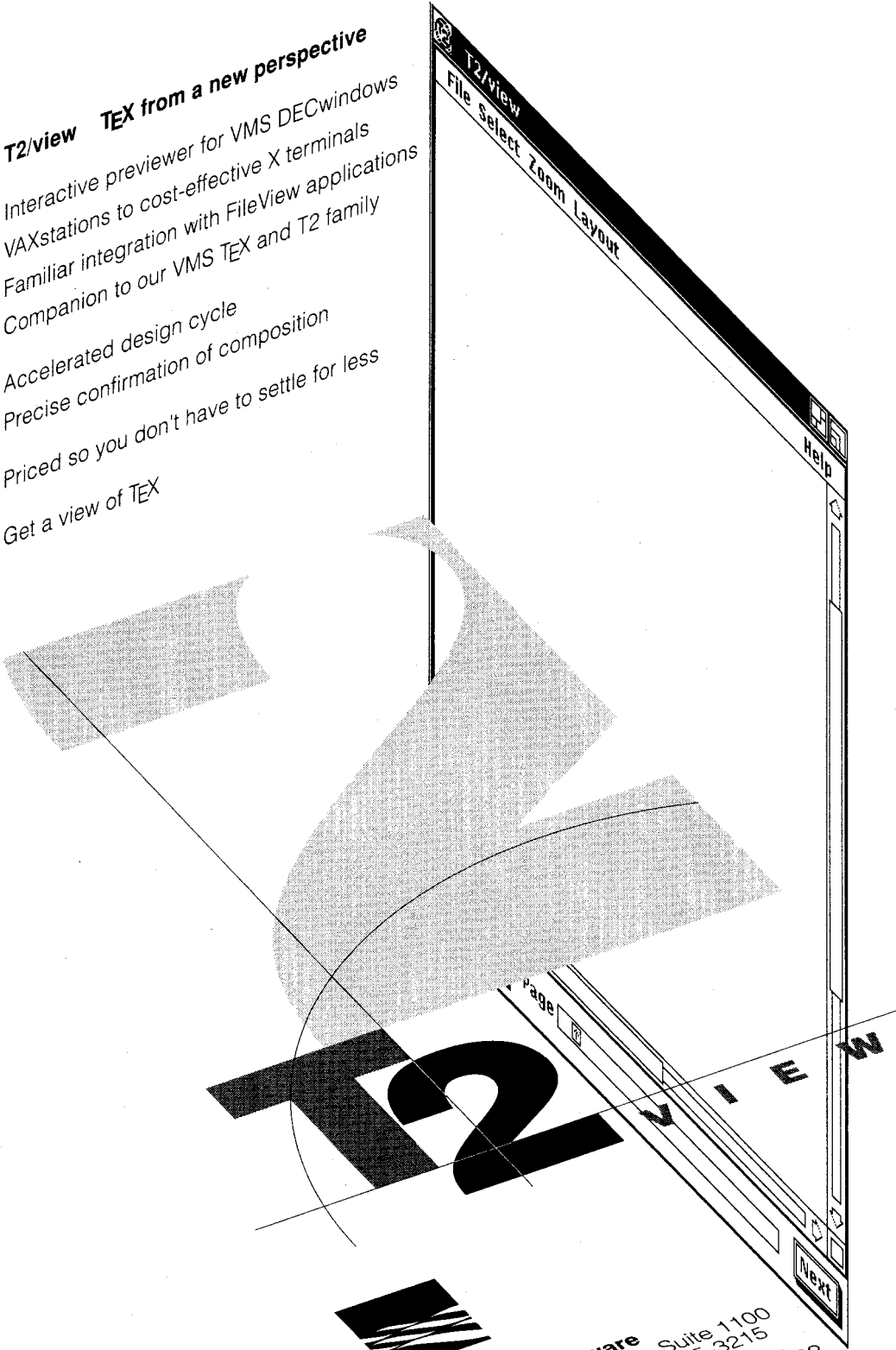
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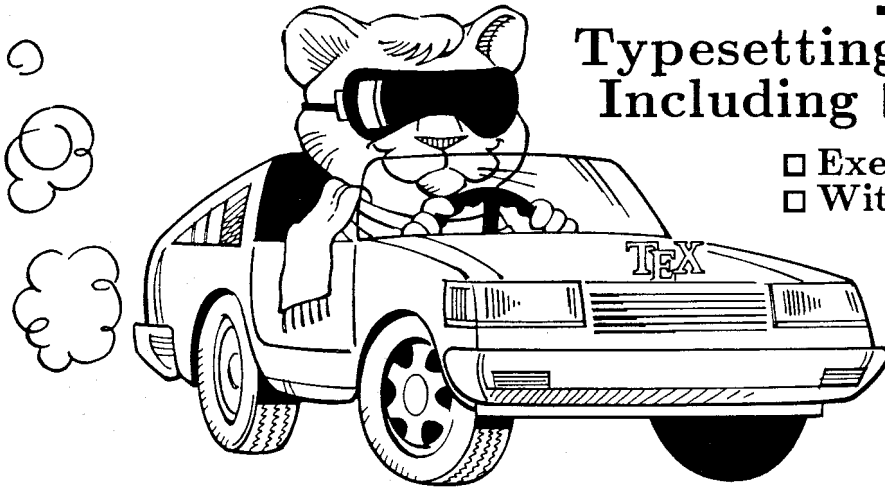
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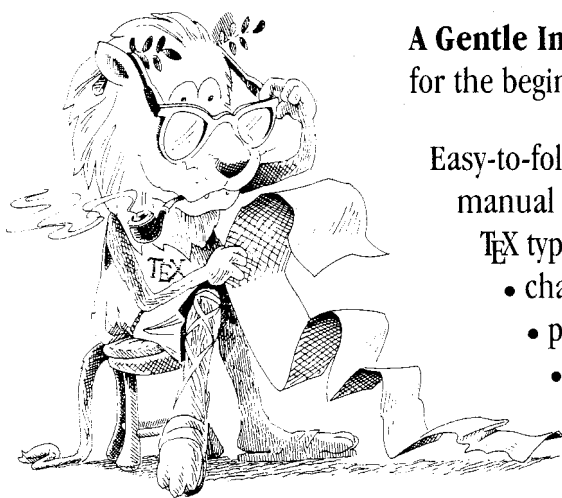
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