

TEX Publishing Services



From the Basic:

The American Mathematical Society offers you two basic, low cost TEX publishing services.

- You provide a DVI file and we will produce typeset pages using an Autologic APS Micro-5 phototypesetter. \$5 per page for the first 100 pages; \$2.50 per page for additional pages.
- You provide a PostScript output file and we will provide typeset pages using an Agfa/Compugraphic 9600 imagesetter. \$7 per page for the first 100 pages; \$3.50 per page for additional pages.

There is a \$30 minimum charge for either service. Quick turnaround is also provided... a manuscript up to 500 pages can be back in your hands in one week or less.

To the Complex:

As a full-service TEX publisher, you can look to the American Mathematical Society as a single source for any or all your publishing needs.

| | | | |
|-----------------|---------------------|----------------------|--------------|
| Macro-Writing | TEX Problem Solving | Non-CM Fonts | Keyboarding |
| Art and Pasteup | Camera Work | Printing and Binding | Distribution |

For more information or to schedule a job, please contact Regina Girouard, American Mathematical Society, P. O. Box 6248, Providence, RI 02940, or call 401-455-4060.

BESTSELLING TEX BOOKS



TEX IN PRACTICE

VOLUME I: ISBN 0-387-97595-0 • \$49.00

VOLUME II: ISBN 0-387-97596-9 • \$49.00

VOLUME III: ISBN 0-387-97597-7 • \$49.00

VOLUME IV: ISBN 0-387-97598-5 • \$49.00

4-VOL. SET: ISBN 0-387-97296-X • \$169.00

1-800-SPRINGE(R)



Springer-Verlag New York, Inc.
175 Fifth Avenue
New York, NY 10010

2/94

REFERENCE # S952

Index of Advertisers

| | |
|---------|-------------------------------|
| 159 | Addison-Wesley |
| 154 | American Mathematical Society |
| 157 | ArborText |
| Cover 3 | Blue Sky Research |
| 157 | Micro Programs, Inc. |
| 154 | Springer-Verlag |
| 158 | Y&Y |



Individual Membership Application

Complete and return this form with payment to:

TeX Users Group
 Membership Department
 P.O. Box 869
 Santa Barbara, CA 93102 USA
 Telephone: (805) 963-1338
 FAX: (805) 963-8358
 Email: tug@tug.org

Membership is effective from January 1 to December 31 and includes subscriptions to *TUGboat*, *The Communications of the TeX Users Group* and the TUG newsletter, *TeX and TUG NEWS*. Members who join after January 1 will receive all issues published that calendar year.

For more information ...

Whether or not you join TUG now, feel free to return this form to request more information. Be sure to include your name and address in the spaces provided to the right.

Check all items you wish to receive below:

- Institutional membership information
- Course and meeting information
- Advertising rates
- Products/publications catalogue
- Public domain software catalogue

Name _____

Institutional affiliation, if any _____

Position _____

Address (business or home (circle one)) _____

City _____ Province/State _____

Country _____ Postal Code _____

Telephone _____ FAX _____

Email address _____

I am also a member of the following other TeX organizations:

Specific applications or reasons for interest in TeX:

There are two types of TUG members: regular members, who pay annual dues of \$60; and full-time student members, whose annual dues are \$30. Students must include verification of student status with their applications.

Please indicate the type of membership for which you are applying:

- Regular at \$60 Full-time student at \$30

Amount enclosed for 1994 membership: \$ _____

Check/money order payable to TeX Users Group enclosed
(checks in US dollars must be drawn on a US bank; checks in other currencies are acceptable, drawn on an appropriate bank)

Bank transfer:

TeX Users Group, Account #1558-816,
 Santa Barbara Bank and Trust, 20 East Carrillo Street,
 Santa Barbara, CA 93101 USA

your bank _____

ref # _____

Charge to MasterCard/VISA

Card # _____ Exp. date _____

Signature _____



Institutional Membership Application

Institution or Organization _____

 Principal contact _____
 Address _____

 City _____ Province/State _____
 Country _____ Postal Code _____
 Daytime telephone _____ FAX _____
 Email address _____

Complete and return this form with payment to:

TeX Users Group
 Membership Department
 P.O. Box 869
 Santa Barbara, CA 93102
 USA

Membership is effective from January 1 to December 31. Members who join after January 1 will receive all issues of *TUGboat* and *TeX and TUG NEWS* published that calendar year.

For more information ...

Correspondence

TeX Users Group
 P.O. Box 869
 Santa Barbara, CA 93102
 USA
 Telephone: (805) 963-1338
 FAX: (805) 963-8358
 Email: tug@tug.org

Whether or not you join TUG now, feel free to return this form to request more information.

Check all items you wish to receive below:

- Course and meeting information
- Advertising rates
- Products/publications catalogue
- Public domain software catalogue

Each Institutional Membership entitles the institution to:

- designate a number of individuals to have full status as TUG individual members;
- take advantage of reduced rates for TUG meetings and courses for *all* staff members;
- be acknowledged in every issue of *TUGboat* published during the membership year.

Educational institutions receive a \$100 discount in the membership fee. The three basic categories of Institutional Membership each include a certain number of individual memberships. Additional individual memberships may be obtained at the rates indicated. Fees are as follows:

| Category | Rate (educ./ non-educ.) | Add'l mem. |
|-----------------------------|-------------------------|------------|
| A (includes 7 memberships) | \$ 540 / \$ 640 | \$50 ea. |
| B (includes 12 memberships) | \$ 815 / \$ 915 | \$50 ea. |
| C (includes 30 memberships) | \$1710 / \$1810 | \$40 ea. |

Please indicate the type of membership for which you are applying:

Category _____ + _____ additional individual memberships

Amount enclosed for 1994 membership: \$ _____

Check/money order payable to TeX Users Group enclosed
(payment in US dollars must be drawn on a US bank; payment in other currencies is acceptable, drawn on an appropriate bank)

Bank transfer: your bank _____
 ref # _____

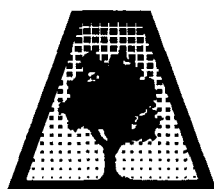
TeX Users Group, Account #1558-816,
 Santa Barbara Bank and Trust, 20 East Carrillo Street,
 Santa Barbara, CA 93101 USA

Charge to MasterCard/VISA

Card # _____ Exp. date _____

Signature _____

Please attach a list of individuals whom you wish to designate as TUG individual members. Minimally, we require names and addresses so that TUG publications may be sent directly to these individuals, but we would also appreciate receiving the supplemental information regarding phone numbers, email addresses, and TeX interests as requested on the TUG Individual Membership Application form. For this purpose, the latter application form may be photocopied and mailed with this form.

NEW!**NEW!**

ARBORTEXT INC.

- Silicon Graphics Iris or Indigo
- Solaris 2.1
- DVILASER/HP3
- Motif and OPEN LOOK Preview

Complete T_EX packages
Ready to use, fully documented and supported.

Also Available For: Sun-4 (SPARC), IBM RS/6000,
 DEC/RISC-Ultrix, HP 9000, and IBM PC's

Call us for more information on our exciting new products!

1000 Victors Way ■ Suite 400 ■ Ann Arbor, MI 48108 ■ (313) 996-3566 ■ FAX (313) 996-3573



YOUR ONE STOP SOURCE FOR T_EX MATERIALS

Includes LaT_EX2 ϵ .

We have a complete selection of books on T_EX and document publishing, all at 10% savings.
 A MicroT_EX full system is \$350.00 - Ask for details to upgrade your system.

T_EX TOOL BOX

| | | | |
|------------------------------|--|-----------------------------|--------------------------|
| | AmSpell Checker (FREE when ordered with MicroT _E X) reg. \$10 | | |
| T _E XHelp \$49.95 | DEMACS Editor (FREE when ordered with MicroT _E X) reg. \$10 | Voyager \$25.00 | |
| Adobe Type-on-Call \$99.00 | AMS-T _E X \$50.00 | T _E Xpic \$79.00 | Capture Graphics \$75.00 |

Micro Programs Inc., 251 Jackson Ave., Syosset, NY 11791 (516) 921-1351

DVIWindo [newtugad.dvi] page: 1

File Preferences Previous! Next! Unmagnify! Magnify! Fonts

Bitmap-free T_EX for Windows

Powerful, fast, flexible T_EX system for Windows

TeX Package

Y&Y T_EX Package includes:

- DVIWindo
- DVIPSONE
- Y&Y big T_EX
- Adobe Type Manager
- Acrobat Reader
- PostScript Type 1 fonts

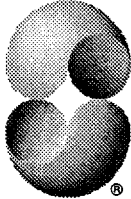
Unique Features

- Uses Type 1 *or* TrueType fonts
- Provides *partial font downloading*
- Can use *any* Windows printer driver
- Big T_EX runs in Windows *or* DOS
- Commercial grade, fully hinted fonts
- *Complete* flexibility in font encoding
- Support for EPS *and* TIFF images

Why Y&Y?

Mature products. Years of experience with Windows, PostScript printers and scalable outline fonts. We *understand* and know how to *avoid* problems with Windows, ATM, 'clone' printers, and problem fonts.

Y&Y — the experts in scalable outline fonts for T_EX



Y&Y, Inc. 45 Walden St., Suite 2F, Concord, MA 01742 USA — (800) 742-4059 — (508) 371-3286 — (508) 371-2004 (fax)

DVIWindo and DVIPSONE are trademarks of Y&Y, Inc. Windows is a registered trademark of MicroSoft Co. Adobe Type Manager is a registered trademark of Adobe Systems Inc.

L^AT_EX₂ ϵ . . . Knuth . . . *Mathematica*[®]

Leading the way in scientific computing. Addison-Wesley.

**When looking for the best in scientific computing, you've come to rely on Addison-Wesley.
Take a moment to see how we've made our list even stronger.**

The L^AT_EX Companion

Michael Goossens, Frank Mittelbach, and Alexander Samarin
This book is packed with information needed to use L^AT_EX even more productively. It is a true companion to Leslie Lamport's users guide as well as a valuable complement to any L^AT_EX introduction. Describes the new L^AT_EX standard.
1994 (0-201-54199-8) 400 pp. Softcover

L^AT_EX: A Document Preparation System, Second Edition

Leslie Lamport
The authoritative user's guide and reference manual has been revised to document features now available in the new standard software release—L^AT_EX₂ ϵ . The new edition features additional styles and functions, improved font handling, and much more.
1994 (0-201-52983-1) 256 pp. Softcover

The Stanford GraphBase: A Platform for Combinatorial Computing

Donald E. Knuth
This book represents the first fruits of Knuth's preparation for Volume 4 of *The Art of Computer Programming*. It uses examples to demonstrate the art of literate programming, and provides a useful means for comparing combinatorial algorithms.
1994 (0-201-54275-7) 600 pp. Hardcover

The CWEB System of Structured Documentation (Version 3.0)

Donald E. Knuth and Silvio Levy
CWEB is a version of WEB for documenting C and C++ programs. CWEB combines T_EX with two of today's most widely used profes-

sional programming languages. This book is the definitive user's guide and reference manual for the CWEB system.
1994 (0-201-57569-8) approx. 240 pp. Softcover

Concrete Mathematics, Second Edition

Ronald L. Graham, Donald E. Knuth, and Oren Patashnick
With improvements to almost every page, the second edition of this classic text and reference introduces the mathematics that supports advanced computer programming.
1994 (0-201-55802-5) 672 pp. Hardcover

Applied Mathematica[®]: Getting Started, Getting It Done

William T. Shaw and Jason Tigg
This book shows how *Mathematica*[®] can be used to solve problems in the applied sciences. Provides a wealth of practical tips and techniques.
1994 (0-201-54217-X) 320 pp. Softcover

The Joy of Mathematica[®]

Alan Shuchat and Fred Shultz
This software product provides easy-to-use menus for Macintosh versions of *Mathematica*[®]. Its accompanying book is an exploration of key issues and applications in Mathematics.
1994 (0-201-59145-6) 200 pp. Softcover + disk

Look for these titles wherever fine technical books are sold.



Addison-Wesley Publishing Company
1-800-447-2226

TUG '95

— St. Petersburg Beach, Florida —

July 24–28, 1995

The T_EX Users Group is proud to announce that the **sixteenth** annual meeting will be held at the TradeWinds Hotel, in St. Petersburg Beach, Florida, July 24–28, 1995. We would like to extend a warm invitation to T_EX users around the world—come join us at one of the largest and most beautiful resort beaches in Florida, as we explore where T_EX is to be found and how its users are going far beyond—or are diverging from—its initial mathematical context.

The theme of the meeting will be “Real World T_EX” and we plan to have demonstrations of pre- and post-processors, and the active participation of developers and vendors, in hopes that **you**, the user, may discover “hands-on” just what can be done with T_EX, METAFONT, POSTSCRIPT, and other utilities!

Commercial users of T_EX are particularly encouraged to attend. The meeting will feature papers of interest to publishers and T_EX vendors, a panel discussion addressing commercial users’ needs and wants, and a gallery for displaying samples of T_EX work.

There will be the usual courses associated with the meeting: *Intensive Courses* in L^AT_EX_{2 ϵ} and T_EX, PostScript, Graphics, and perhaps other topics. The meeting itself will have excellent speakers, panel discussions, workshops, poster displays, Birds-of-a-Feather sessions (BoFs) and technical demonstrations.

Getting Information

A preliminary schedule will be available in February of 1995, so be sure to look for updates in *T_EX and TUG NEWS* and *TUGboat*, on the World Wide Web, at <http://www.ucc.ie/info/TeX/tug/tug95sched.html>, as well as on the CTAN archives in tex-archive/usergrps/tug/.

Nearer the time of the conference, there will be an on-line form for registration (tug95form.html) located on the WWW cited above.

Send suggestions and requests to tug95c@scri.fsu.edu.

The TUG95 committee will be working with individuals who wish to share accommodations, to help defray expenses. The Bursary Fund is also available to assist T_EX users who demonstrate need. All members are encouraged to consider contributing to the fund. To obtain more information about contributing to or applying for the Bursary Fund, please contact the TUG office by email to tug@tug.org or by post to the address

T_EX Users Group
P.O. Box 869
Santa Barbara, CA 93102-0869 USA.

Deadlines

| | | |
|-------------------------|---|-----------------------|
| Submission of Abstracts | ◇ | January 13, 1995 |
| Preliminary Papers Due | ◇ | March 17, 1995 |
| Preprint Deadline | ◇ | June 23, 1995 |
| Meeting Date | ◇ | July 24–July 28, 1995 |
| Camera Ready Deadline | ◇ | August 25, 1995 |

Interactive T_EX ✓
WYSIWYG T_EX ✓
User-friendly T_EX ✓

Textures ✓ It's not like any other T_EX system.^[1]

When Apple introduced the Macintosh and its graphic interface, we embarked on a long-term project of research toward a T_EX system “for the rest of us,” a T_EX system that would be humanely interactive, and visibly responsive; an integrated T_EX system, designed to be radically easy for those new to T_EX, and engineered to be the best for expert T_EX users. The research continues; the product is Textures.

Textures is something of a Copernican revolution in T_EX interface. The paradigm shifts from the usual T_EX “input–process–output–repeat” mode, to a wider frame wherein the T_EX language describes a dynamic document that is continuously, quietly “realized” as you write it, with no process steps whatsoever.

This change in perspective must be experienced to be fully grasped. As you would expect, Textures is good for beginners. You might be surprised to know that it's also good for experienced T_EX users and especially good for T_EX programmers.^[2] It's not a “front-end” or an imitation, it's a full-scale live T_EX processor that's actually easy to use.

There's much more to Textures than a new perspective on T_EX, of course; too much to list here but we'll mention custom menus, Computer Modern PostScript fonts, illustrations, inter-application communication, automatic installation, genuine support,

We don't claim perfection; nor do we believe in exaggerated marketing, odd as this may seem; and we do understand our finite abilities to provide all that one might wish. But we also guarantee that you will be satisfied with Textures and with the service you receive from Blue Sky Research, or we will refund the (very finite) price you pay.

[1]
On the other hand, Textures is *exactly* like every other T_EX system. Its T_EX engine is strictly standard and up-to-date; it runs L^AT_EX, A_MS-T_EX, and all standard T_EX macros without change. But even here it's not ordinary, with hand-tuned assembler code for maximum performance, and a transparent memory model that you can't fill until you run out of disk.

[2]
If you are a serious T_EX user on another platform, it can be worth getting a Mac just to run Textures.

For all Macintosh
processors and printers
minimum 2.5MB memory
and 5MB disk

Blue Sky Research
534 SW Third Avenue
Portland, Oregon 97204
USA

800 622 8398
503 222 9571
facsimile 503 222 1643
sales@bluesky.com

