Transfig Sources

This contains the C source for Transfig, a program that converts Fig output to other forms such as PICTEX. Files are located in pub/transfig for ftp users. Mail users should request files from the transfig archive.

TUGboat Files

This contains files related to *TUGboat*. It is a duplicate directory of tex.tugboat on Score. Files are located in pub/tugboat for ftp users. Mail users should request files from the tugboat archive.

UKTEX Digests

This contains all of the back issues of UKTEX. Files are located in pub/uktex for ftp users. Mail users should request files from the uktex archive. Files are named uktex.YY.NNN where YY is the year of the issue and NNN is the issue number.

LATEX Style

This contains files that are specific to LATEX. Most of these are style files but some of them are programs. Some of the files have support BIBTEX style files that are in the BIBTEX **Collection** or the BIBTEX **0.98 Collection**. Files are located in pub/latex-style for ftp users. Mail users should request files from the latex-style archive.

boxedminipage.sty
        puts a box round a minipage

bsf.sty   Provide access to bold san serif fonts in LATEX

deproc.sty   DECUS proceedings style

farticle.sty   French version of article.sty

frenchponct.sty
        french punctuation

ltugboat.sty   for articles to *TUGboat*

texnames.sty   define a couple more TEX names

usenix.sty   for Usenix conference proceedings

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Coming in January
from the American Mathematical Society

Upgrades and new features for a number of the American Mathematical Society's TEX-related products will be available from AMS in January. The most important of these are:

- a style file for LATEX incorporating the mathematical typesetting features of AMS-TEX;
- Version 2.0 of AMS-TEX;
- an update and expansion of the current AMSFonts collection.

AMS-TEX, created by Michael Spivak with the sponsorship of the AMS, consists of TEX macros that facilitate the typesetting of complex mathematical formulas and displays. Version 2.0 was prepared by Spivak and AMS staff members and incorporates a number of improvements and changes suggested by users of AMS-TEX. These include improved error and help messages; elimination of all known bugs; refinements to macros and other changes to conserve memory space; simplified access to fonts in addition to those defined in plain TEX. Some optional formatting features, such as the ability to use running heads, have been incorporated in the preprint style. Finally, the AMS-TEX macros, which are defined in the file amstex.tex, have been fully documented by Spivak in a separate file, amstex.doc, which is organized in parallel with amstex.tex.

Users of the old Version 1.1 of AMS-TEX can obtain the new version from the AMS free of charge. The upgrade package will include an explanation of the differences between the old and new versions and a summary of changes to *The Joy of TEX*. Those who have been using the AMSFonts package and wish to upgrade to AMS-TEX 2.0 must also upgrade the fonts (see below).

The AMS has also been working on making AMS-TEX and LATEX more compatible. As part of this effort, the AMS has sponsored the development of several document styles for LATEX. The first is an AMS-TEX style option that allows LATEX users to utilize many of the AMS-TEX mathematical macros within existing LATEX document styles. Two document styles, amsbook and amsart, utilize the AMS-TEX style option and provide formats suitable for a typical book or for an article that might appear in either a journal or a collection. If an author uses one of these document styles to prepare a manuscript, then that LATEX manuscript can be submitted to AMS publications, whereas

only $\mathcal{A}_{\mathcal{M}}\mathcal{S}$-TEX manuscripts were acceptable before. (The $\mathcal{A}_{\mathcal{M}}\mathcal{S}$-TEX document style option for LaTeX is different from LA$\mathcal{M}$S-TEX, a macro package Spivak is developing to incorporate some LaTeX features into $\mathcal{A}_{\mathcal{M}}\mathcal{S}$-TEX.) TEX vendors have agreed to include the files which implement the $\mathcal{A}_{\mathcal{M}}\mathcal{S}$-TEX document styles and style option in all LaTeX packages they sell in the future, and to make this upgrade available to all current LaTeX users. In addition, the files will be available free of charge from the AMS and will reside in the public domain archives.

The third item is an update and expansion of the current AMSFonts collection. The new Cyrillic fonts from the University of Washington (the article by Dimitri Vulis, p. 332, of this issue of *TUGboat* uses these fonts, although with a ligature scheme different than that distributed by the AMS) are included in the new package. Also included are an extended set of Euler fonts (see Knuth's "Typesetting *Concrete Mathematics*," *TUGboat* 10#1, pp. 31–35) and many new sizes (smaller than 10 point) of previously available Computer Modern fonts. There will be two implementations of the new collection — one for PCs and mainframes, and one for use with *Textures* on the Macintosh. All the standard TEX magnifications will be available for both implementations. Anyone who has the original AMSFonts package can receive from the AMS, free of charge, the upgraded fonts and instructions for their use. The new fonts can be used either with or without $\mathcal{A}_{\mathcal{M}}\mathcal{S}$-TEX. However, they were created in conjunction with $\mathcal{A}_{\mathcal{M}}\mathcal{S}$-TEX Version 2.0, which in turn contains improvements that cannot be used without the new fonts; the new fonts are also not compatible with earlier versions of $\mathcal{A}_{\mathcal{M}}\mathcal{S}$-TEX.

Anyone wishing more information on $\mathcal{A}_{\mathcal{M}}\mathcal{S}$-TEX Version 2.0 or on the new AMSFonts collection should contact

> Customer Services Department
> American Mathematical Society
> P. O. Box 6248
> Providence, RI 02940
> 800-321-4AMS or 401-455-4000
> cust-serv@math.AMS.com

If requesting an upgrade of either item, please specify either the PC or the Macintosh implementation. Unless otherwise specified, the PC implementation of the upgrades will be supplied on 5.25" high-density diskettes; the Macintosh implementation will be supplied on double-sided, double-density 3.5" diskettes. If making a request by electronic mail, please provide a full postal address, as the

$\mathcal{A}_{\mathcal{M}}\mathcal{S}$-TEX files and the AMSFonts collection will not be shipped electronically.

There are two ways users may obtain the $\mathcal{A}_{\mathcal{M}}\mathcal{S}$-TEX style files for LaTeX. First, users of electronic mail can receive these files electronically, by sending a request to the Society on Internet, at the address

> ams-latex@math.AMS.com

Second, users may request the style files on IBM or Macintosh diskettes by contacting

> Rosanne Granatiero
> Publications Division

at the Society's address given above.

TEX EURO

Joachim Lammarsch

To communicate with other TeX users there are a lot of possibilities:

- *TUGboat*
- TEXhax
- UKTEX
- TEXmag

These are all digests and the UKTEX is the only one which appears weekly (*TUGboat* three or four times a year, TEXhax in uncertain periods and TEXmag sporadically).

Three further lists are used in Europe (EARN):

- GUT
- TEX_D-L
- TEX_D-PC

These are lists, which distribute each note (mail) separately. The languages which are used, are French and German. That's all I know.

In my opinion no real European list exists distributing each note (mail) separately and at once. Therefore I am trying to start a list for use in all of Europe. The languages can vary (not only English, French or German). To my mind people should use the language which is necessary to solve a given problem. For example, a Spanish TEX user having a question concerning only Spanish affairs would only be of interest for Spanish people. Then he can (should) use his own language. On the other hand, he can use the English language hoping for more help (I suppose that English is the most