

# L<sup>A</sup>T<sub>E</sub>X News

Issue 3, June 1995

## Welcome to L<sup>A</sup>T<sub>E</sub>X News 3

An issue of *L<sup>A</sup>T<sub>E</sub>X News* will accompany every future release of L<sup>A</sup>T<sub>E</sub>X. It will tell you about important events, such as major bug fixes, newly available packages, or any other L<sup>A</sup>T<sub>E</sub>X news.

## June 1995 release of L<sup>A</sup>T<sub>E</sub>X

June 1995 sees the third release of L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>. We are on schedule to deliver a release of L<sup>A</sup>T<sub>E</sub>X every six months, in December and June.

In the last *L<sup>A</sup>T<sub>E</sub>X News*, we said “we don’t expect so much activity in the next six months,” which has turned out not to be true!

## Additional input encodings

In the last release of L<sup>A</sup>T<sub>E</sub>X we distributed a test version of the `inputenc` package which allows the use of input characters other than just a–z and A–Z. The package has proved to be robust, so we are now distributing an expanded version. The new release comes with a number of input encodings:

- `ascii` the standard encoding,
- `latin1` the ISO Western European alphabet,
- `latin2` the ISO Eastern European alphabet,
- `cp437` the IBM codepage 437,
- `cp850` the IBM codepage 850, and
- `applemac` the Apple Macintosh encoding.

These can be used by specifying an option to the `inputenc` package, for example:

```
\usepackage[latin1]{inputenc}
```

The new input encodings are currently being tested, but we don’t expect any major changes.

## L<sup>A</sup>T<sub>E</sub>X getting smaller

In the past releases of L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>, the amount of memory L<sup>A</sup>T<sub>E</sub>X requires has increased, but we are pleased to say that this trend has been reversed. We hope that future releases of L<sup>A</sup>T<sub>E</sub>X will continue to get smaller.

For example, on this document, the December 1994 release used 52,622 words of memory, and the June 1995 release uses 51,216 words of memory, which is a 2.7% reduction.

We are currently experimenting with other ways of reducing the size of L<sup>A</sup>T<sub>E</sub>X. For example, we are experimenting with an option to remove the `picture` and `tabbing` environments from the L<sup>A</sup>T<sub>E</sub>X kernel, and to load them from a file the first time they are used. This should help L<sup>A</sup>T<sub>E</sub>X to run on machines with limited memory. See `autoload.txt` for details.

## Distribution and modification

One topic of discussion that has kept us busy is the distribution and modification conditions of L<sup>A</sup>T<sub>E</sub>X. We are committed to keeping L<sup>A</sup>T<sub>E</sub>X as free reliable software, and ensuring that (as far as possible) L<sup>A</sup>T<sub>E</sub>X documents will produce the same results on all systems.

The modification conditions are currently under discussion, and we would like to hear from anyone interested. Please read `modguide.tex` for more information.

## AMS-L<sup>A</sup>T<sub>E</sub>X full release

The AMS-L<sup>A</sup>T<sub>E</sub>X packages were still in beta test in the December 1994 release of L<sup>A</sup>T<sub>E</sub>X, and the full release came out in January 1995.

AMS-L<sup>A</sup>T<sub>E</sub>X is described in the *User’s Guide* (`amsldoc.tex`) and in *The L<sup>A</sup>T<sub>E</sub>X Companion*.

## PostScript fonts

There is a new test release of the PSNFSS packages for accessing PostScript fonts in L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>. This includes an update to all of the fonts, to remove many of the underfull and overfull `\hbox` warnings, and improve the setting of non-English languages.

The new release of L<sup>A</sup>T<sub>E</sub>X removes all of the ‘hidden’ uses of Computer Modern mathematics. For example, the footnote markers used to use math mode, so always used Computer Modern digits rather than ones from the current text font. This has now been fixed.

## Further information

For more information on T<sub>E</sub>X and L<sup>A</sup>T<sub>E</sub>X, get in touch with your local T<sub>E</sub>X Users Group, or the international T<sub>E</sub>X Users Group, P. O. Box 869, Santa Barbara, CA 93102-0869, USA, Fax: +1 805 963 8358, EMail: [tug@tug.org](mailto:tug@tug.org).

The L<sup>A</sup>T<sub>E</sub>X home page is <http://www.tex.ac.uk/ctan/latex/> and contains links to other WWW resources for L<sup>A</sup>T<sub>E</sub>X.