



*In principio erat verbū: ⁊ verbū erat apud deū: et de⁹ erat verbū. Hoc erat in principio apud deū. Omnia p ipm facta sunt: ⁊ sine ipo factum est nichil. Quod factū est in ipo vita erat: ⁊ vita erat lux hominū: et lux in tenebris lu- cet. ⁊ tenebre eā nō comp̄henderūt. Su-*

Typographic resetting of Gutenberg's 42-line bible of 1452-55, using modern Fraktur and decorative initial in METAFONT by Yannis Haralambous. The ability to control special characters like the insular ampersand (⁹) and unusual features like hanging punctuation makes L<sup>A</sup>T<sub>E</sub>X particularly well suited for typesetting critical and teaching editions. (*Beginning of St. John's Gospel.*)

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

Sophisticated professional typesetting for business and academic publishing

*The ideal solution for your document formatting and database or XML publishing requirements*

## Where to get L<sup>A</sup>T<sub>E</sub>X

- ❑ The T<sub>E</sub>X Users Group (TUG) distributes a free copy of the T<sub>E</sub>X Collection DVD with complete systems for major platforms and a copy of the entire CTAN archive to all members annually. Many local and national user groups also participate: check with your nearest group (see TUG Web site for addresses).
- ❑ You can buy a copy with commercial support from any of the vendors listed below.
- ❑ All the public-domain and open-source implementations are available for free download from CTAN.

## The T<sub>E</sub>X Users Group (TUG)

TUG membership is \$85 a year for individuals (\$55 for students, new graduates, seniors, and citizens of countries with modest economies) or \$95 for non-voting subscriptions (eg publications only). See <http://www.tug.org> for details of 'early-bird' rates and other charges. The institutional rate is \$500, which includes up to eight individual memberships. Membership includes the quarterly journal *TUGboat* and discounts on conference fees:

TUG	EUROT <sub>E</sub> X
2007 San Diego, CA	Pisa, Italy; Bachotek, Poland
2008 Cork, Ireland	—

## CTAN — the Comprehensive T<sub>E</sub>X Archive Network

CTAN is an online Internet archive of all free T<sub>E</sub>X and L<sup>A</sup>T<sub>E</sub>X software. There are searchable indexes and catalogues at <http://www.ctan.org>, <http://www.tex.ac.uk/>, <http://www.dante.de>, and <http://www.ucc.ie/cgi-bin/ctan>.

## Online and other support

Internet-based support is available free of charge on the comp.text.tex Usenet newsgroup (available in German as de.comp.text.tex). There is also a two-monthly email newsletter, the *T<sub>E</sub>Xhax Digest*, and some extensive FAQs listed at <http://www.tug.org/tex-ptr-faq>.

## Vendors with commercial support

Blue Sky, Inc	Textures	Mac	<a href="http://www.bluesky.com">http://www.bluesky.com</a>
K-Talk, Inc	Converters	—	<a href="http://www.ktalk.com">http://www.ktalk.com</a>
MacKichan Software	Scientific Word	Win	<a href="http://www.mackichan.com">http://www.mackichan.com</a>
MicroPress, Inc	Visual T <sub>E</sub> X	Win	<a href="http://www.micropress-inc.com">http://www.micropress-inc.com</a>
Andrew Trevorrow	OzT <sub>E</sub> X	Mac	<a href="http://www.trevorrow.com/oztex/">http://www.trevorrow.com/oztex/</a>
PCT <sub>E</sub> X, Inc	PCT <sub>E</sub> X	Win	<a href="http://www.pctex.com">http://www.pctex.com</a>
Tom Kiffe	CMacT <sub>E</sub> X	Mac	<a href="http://www.kiffe.com/cmactex.html">http://www.kiffe.com/cmactex.html</a>
TrueT <sub>E</sub> X, Inc	TrueT <sub>E</sub> X	Win	<a href="http://truetex.com">http://truetex.com</a>

## Technical Requirements

### Operating systems

L<sup>A</sup>T<sub>E</sub>X runs on all current computing platforms. The most common implementations are:

System	Implementation
Microsoft Windows	Free: ProT <sub>E</sub> Xt (MikT <sub>E</sub> X), XEMT <sub>E</sub> X Commercial: see vendor list
Linux/Unix	Free: T <sub>E</sub> X Live
Apple Mac	Free: MacT <sub>E</sub> X (T <sub>E</sub> X Live) Shareware: OZT <sub>E</sub> X, CMacT <sub>E</sub> X Commercial: Textures
All other	Contact the T <sub>E</sub> X Users Group

The T<sub>E</sub>X Collection DVD (from TUG: free to members) contains T<sub>E</sub>X Live, ProT<sub>E</sub>Xt, MikT<sub>E</sub>X, MacT<sub>E</sub>X, and a complete snapshot of the CTAN archive.

### Hardware

- ❑ L<sup>A</sup>T<sub>E</sub>X will run even on old machines, but a 500MHz processor or above is recommended.
- ❑ You should have at least 512Mb of memory, more if you aim to do complex work or use very long documents.
- ❑ You need about 500Mb of hard disk space depending on the options you choose (minimal install is about 250Mb; full is about 1.2Gb).
- ❑ The finer your screen and printer resolution, the better quality you will be able to see and print. A fast inkjet printer or a laser printer is recommended.

### Software

- ❑ You need a good text editor for creating and maintaining documents: there is a selection included on the T<sub>E</sub>X Collection DVD.
- ❑ GhostScript and GSview are needed to view PostScript or PDF output (included on the T<sub>E</sub>X Collection DVD). Adobe's Acrobat Reader can be downloaded from <http://www.adobe.com/products/acrobat/readstep2.html>.
- ❑ A graphics editor or converter is needed if you want to create or modify images (see *Figures*).

The ultimate in portable typesetting: L<sup>A</sup>T<sub>E</sub>X runs on any computer and produces timely, accurate output in publication quality on your desktop printer or business typesetter.

L<sup>A</sup>T<sub>E</sub>X is completely free, and has been the tried and tested solution for over 20 years.

L<sup>A</sup>T<sub>E</sub>X is in use by leading publishers, documentation specialists, and technical and academic users worldwide.

## What they say about L<sup>A</sup>T<sub>E</sub>X

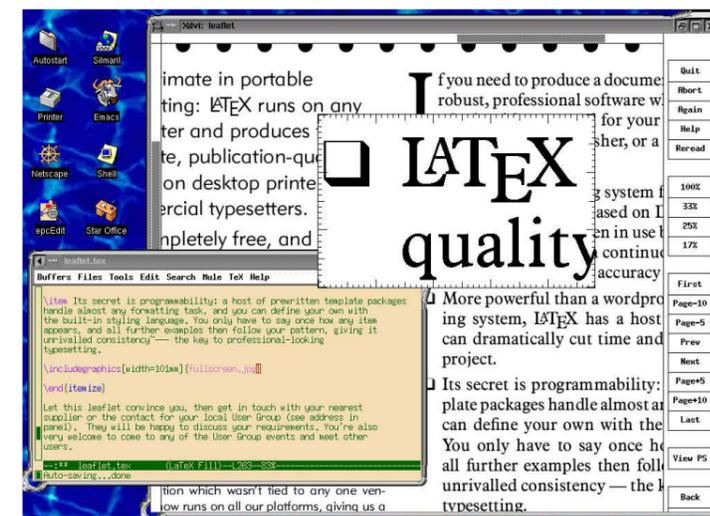
I was getting increasingly exasperated with the limitations presented by wordprocessing programs when L<sup>A</sup>T<sub>E</sub>X came into my life and allowed me to do all those things I previously could only dream of, from unusual symbols to complicated layout. I strongly recommend it to anybody interested in producing a professional-looking document! *Petra Hellmuth, Language Specialist*

I use pdfL<sup>A</sup>T<sub>E</sub>X and METAFONT not only because I need them to create my presentations, lecture notes and papers but also because it's fun! Entering a math equation in Powerpoint is a pain in the neck: with pdfL<sup>A</sup>T<sub>E</sub>X and METAPOST it is a lot easier because you can change the style of what is to be displayed. I have a lecture class from which I generate a lecture presentation and lecture notes all from the same source: I can add text which appears in one or both of the documents. *Marc van Dongen, Computer Scientist*

L<sup>A</sup>T<sub>E</sub>X is available in Ireland from  
 Silmaril Consultants      UCC Computer Centre  
 Bishopstown, Cork      Electronic Publishing Unit  
 latex@silmaril.ie      3.22 O'Rahilly Building  
<http://silmaril.ie/>      <http://epu.ucc.ie>  
 The Irish T<sub>E</sub>X And L<sup>A</sup>T<sub>E</sub>X Interest Community (ITALIC) has a mailing list which you can join at <http://listserv.heanet.ie/italic-1.html>

If you need to produce a document for publication you want robust, professional software which won't let you down — whether it's an annual report, a manual for your customers, a business plan for your investors, an article for a journal, a book for a publisher, a newsletter for your club or society, or a leaflet or brochure for a product, event, or venue.

- ❑ L<sup>A</sup>T<sub>E</sub>X is a document preparation system for producing high-quality output, based on Don Knuth's revolutionary T<sub>E</sub>X typesetting program. It's been used by millions since its launch in 1985, and has been continuously updated to bring you the state of the art in accuracy and flexibility.
- ❑ More powerful than a wordprocessor or desktop publishing system, L<sup>A</sup>T<sub>E</sub>X has a host of unique features which can dramatically cut time and cost for any publishing project, especially for complex or long documents.
- ❑ Its secret is programmability: hundreds of prewritten templates (packages) to handle almost any formatting task — or you can define your own with the built-in styling language. You only have to say once how any item appears, and all further occurrences then follow your pattern, giving it unrivalled consistency: the key to professional-looking output.



If you're convinced, or if you are not, get in touch with your nearest supplier, or contact your local User Group (see addresses in panel). They will be happy to discuss your requirements. You're also very welcome to come to any of the User Group events and meet other users.