In principio erat verbũ: ⁊ verbũ erat apud deũ: et deꝰ erat verbũ. Hoc erat in principio apud deũ. Omĩa p ipm facta sunt: ⁊ sine ipõ factum est nichil. Quod factũ est in ipõ vita erat: ⁊ vita erat lux hominũ: et lux in tenebris lu-cet· ⁊ tenebre eã nõ comphenderũt. Fu-

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 (⁊) and unusual features like hanging punctuation makes LaTeX particularly well suited for typesetting critical and teaching editions. *(Beginning of St. John's Gospel.)*

LaTeX

Sophisticated professional typesetting for business and academic publishing

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

Where to get LaTeX

- ❑ The TeX Users Group (TUG) distributes a free copy of the TeX 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 TeX 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	EuroTeX
2007	San Diego, CA	Pisa, Italy; Bachotek, Poland
2008	Cork, Ireland	—

CTAN — the Comprehensive TeX Archive Network

CTAN is an online Internet archive of all free TeX and LaTeX 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 *TeXhax Digest*, and some extensive FAQs listed at `http://www.tug.org/tex-ptr-faq` .

Vendors with commercial support

Blue Sky, Inc	*Textures*	Mac	`http://www.bluesky.com`
K-Talk, Inc	Converters	—	`http://www.ktalk.com`
MacKichan Software	*Scientific Word*	Win	`http://www.mackichan.com`
MicroPress, Inc	*Visual TeX*	Win	`http://www.micropress-inc.com`
Andrew Trevorrow	*OzTeX*	Mac	`http://www.trevorrow.com/oztex/`
PCTeX, Inc	*PCTeX*	Win	`http://www.pctex.com`
Tom Kiffe	*CMacTeX*	Mac	`http://www.kiffe.com/cmactex.html`
TrueTeX, Inc	*TrueTeX*	Win	`http://truetex.com`

Technical Requirements

Operating systems

LaTeX runs on all current computing platforms. The most common implementations are:

System	Implementation
Microsoft Windows	*Free*: **ProTeXt** (MikTeX), XEMTeX *Commercial*: see vendor list
Linux/Unix	*Free*: **TeX Live**
Apple Mac	*Free*: **MacTeX** (TeX Live) *Shareware*: OZTeX, CMacTeX *Commercial*: Textures
All other	*Contact the TeX Users Group*

The TeX Collection DVD (from TUG: free to members) contains TeX Live, ProTeXt, MikTeX, MacTeX, and a complete snapshot of the CTAN archive.

Hardware

- ❑ LaTeX 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 TeX Collection DVD.
- ❑ GhostScript and GSview are needed to view PostScript or PDF output (included on the TeX 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: LaTeX runs on any computer and produces timely, accurate output in publication quality on your desktop printer or business typesetter.

LaTeX is completely free, and has been the tried and tested solution for over 20 years.

LaTeX is in use by leading publishers, documentation specialists, and technical and academic users worldwide.

What they say about LaTeX

I was getting increasingly exasperated with the limitations presented by wordprocessing programs when LaTeX 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 pdfLaTeX and METAPOST 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 pdfLaTeX 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*

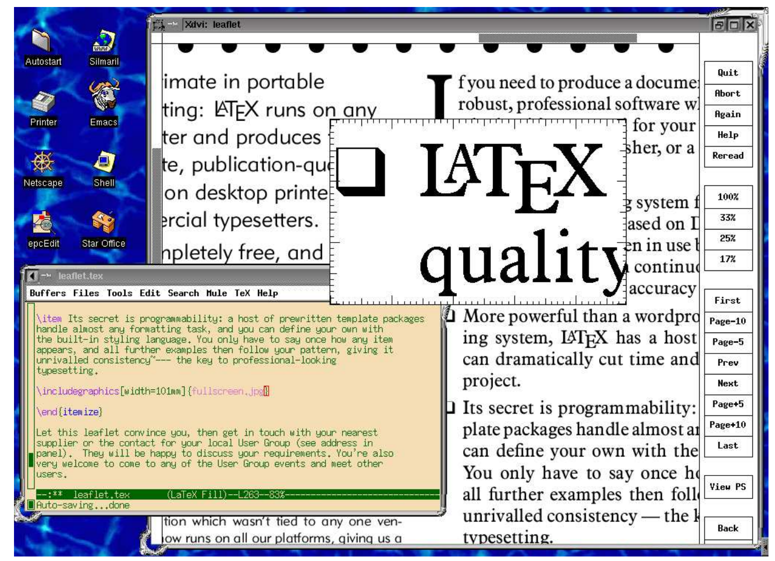
LaTeX is available in Ireland from

Silmaril Consultants
Bishopstown, Cork
`latex@silmaril.ie`
`http://silmaril.ie/`
	UCC Computer Centre
	Electronic Publishing Unit
	3.22 O'Rahilly Building
	`http://epu.ucc.ie`

The Irish TeX And LaTeX Interest Community (ITALIC) has a mailing list which you can join at `http://listserv.heanet.ie/italic-l.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.

- ❑ LaTeX is a document preparation system for producing high-quality output, based on Don Knuth's revolutionary TeX 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, LaTeX 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.