

WELCOME TO L^AT_EX 2_ε!

L^AT_EX, designed by Leslie Lamport, is a collection of macros and a set of style files for use with T_EX. The macros allow you to easily create documents in a wide variety of standard styles. Because of the prebuilt formats and styles in L^AT_EX and the portability of T_EX code, L^AT_EX is widely used for the scientific and mathematical communications, including production of journal articles, reports and books.

L^AT_EX 2_ε is the new standard version of L^AT_EX. It has been improved in many ways to more easily accommodate graphics, color, and font handling.

The L^AT_EX 2_ε system is the result of contributions by many people around the world. We at Blue Sky Research would especially like to thank Constantin Kahn and Arthur Ogawa for their extensive contributions to this Textures L^AT_EX 2_ε package. The contents of this package are in the public domain, and may be freely copied and redistributed, provided only that each copy contains the complete contents.

IN THIS PACKAGE

Software

The Blue Sky Research distribution of L^AT_EX 2_ε comes compressed on two high density disks.

The two disks in the L^AT_EX 2_ε set contain everything you need to run L^AT_EX. This includes the format file, input files, font metrics, and fonts. They do not include the AMS font set, for use with AMS-L^AT_EX.

If you need the “base” and “package” distributions from CTAN you can get them via ftp from any CTAN site, like <ftp://ftp.shsu.edu/> or <ftp://ftp.dante.de/>, or from the Blue Sky Research ftp server at <ftp://ftp.bluesky.com/>. If you cannot get them via electronic transfer, we will ship you a floppy disk containing the CTAN sources at no charge.

The installer files are compressed in a special installer format which can't be read by anything except the installer.

L^AT_εE_X 2 FOR TEXTURES

This Blue Sky Research distribution of L^AT_εE_X 2_ε has been created to simplify installation and to allow you to use both the old and new versions of L^AT_εE_X side-by-side. We've included four PostScript fonts and some new metrics called for by some new styles in L^AT_εE_X. It works together with features in Textures to create an easy to use L^AT_εE_X package for the Macintosh.

Naming Conventions

Since L^AT_εE_X 2_ε is recognized as the new L^AT_εE_X standard, we have adopted the following new naming convention. L^AT_εE_X 2_ε is simply called LaTeX, and the older version of L^AT_εE_X is now called LaTeX209. Since L^AT_εE_X 2_ε is being continuously revised, each revision is numbered, and a supplemental patch level number is used for minor revisions. For example, the third revision, patched three times, would be called version R3P3, for third revision, third patch level.

Installation Assumptions

You have Textures installed on your computer. This package cannot be used without Textures. You are familiar with the usage of L^AT_εE_X 2_ε or have one of the L^AT_εE_X 2_ε reference manuals like *L^AT_εE_X: A Document Preparation System* and *The L^AT_εE_X Companion*. Find more about them at <http://www.bluesky.com/bookstore/-bookstorehome/>.

SUPPLEMENTAL FILES

Source files for recompiling L^AT_εE_X 2_ε

Since we have included a pre-compiled L^AT_εE_X format suitable for use with Textures, you need not recompile the format yourself. Just in case, however, we have included the source files you need in a new folder within your Textures folder called LaTeX2e Sources.

You'll need these files if you see an immediate failure on typesetting with L^AT_εE_X 2_ε and an error in the T_EX log (`Incompatible format file: Please \dump it again`). The format is already "fat" so PowerMac users do not need to recompile.

To recompile, open "latex.ltx" and typeset under the VirTeX format with flash mode off. For complete instructions on recompiling formats, refer to your Textures User Guide.

BEFORE YOU BEGIN

About the Installer

This distribution includes an automatic L^AT_EX 2_ε installer. The installer automatically places the fonts in the System. It installs all other files within subfolders in your Textures folder. It will require you to restart your computer following installation.

If you have an older version of L^AT_EX

If you have a previous version of L^AT_EX installed, and would like to run the old and new L^AT_EX side-by-side, please follow the instructions in the section called “Save your old L^AT_EX.” Even if you don’t want to save your old format, you still should read this section and remove the format and input files mentioned here.

L^AT_EX 2_ε uses more memory than L^AT_EX 2.09, so you may need to increase the Textures memory partition; this is normally set to 3000K, and can be increased as necessary from the Finder. ‘Get Info’ of the Textures application, and enter the desired partition size (we recommend at least 4000K).

SAVE YOUR OLD L^AT_EX

In order to run both L^AT_EX 2.09 and L^AT_EX 2_ε side-by-side, you should rename the old format to “LaTeX209”, and move L^AT_EX 2.09 files into a separate folder named “LaTeX209”. *IMPORTANT: Do this before installing the new version of L^AT_EX 2_ε to avoid overwriting style files from the L^AT_EX 2.09 package.*

- 1** Rename the existing LaTeX format (in the TeX Formats folder) by clicking on its name in the Finder. Name it “LaTeX209”.
- 2** Create a new folder named “•LaTeX209” and place it in the TeX Inputs folder. The bullet character (•) is the Option–8 key; this special character marks this folder to be used only by the LaTeX209 format.
- 3** Move the following files from the TeX Inputs folder into the new “•LaTeX209” folder:

acm.sty	ifthen.sty
art10.sty	labl.sty
art11.sty	leqno.sty
art12.sty	letter.sty
article.sty	proc.sty
bezier.sty	rep10.sty
bk10.sty	rep11.sty
bk11.sty	rep12.sty
bk12.sty	report.sty
book.sty	titlepag.sty
fleqn.sty	twocolum.sty

You are now ready to install L^AT_EX 2_ε.

INSTALLING L^AT_EX 2_ε

To install L^AT_EX 2_ε for use with Textures:

- 1** Turn virus protection off to allow fonts to be installed into the System File.
- 2** Insert the L^AT_EX 2_ε Disk 1 into your Macintosh, and double-click the Install LaTeX2e icon. Select “Easy Install”.
- 3** Select your existing Textures folder as the target destination. (Do not open the Textures folder, just select it.) The button at the bottom of the dialog should say `Install into "Textures"`. Click the `Install into "Textures"` button.
- 4** Follow the prompts to insert disks as requested.
- 5** Restart your computer. You are now ready to start using L^AT_EX 2_ε.

To check your installation, and try your hand with L^AT_EX 2_ε, there are two sample files, `sample2e.tex` and `small2e.tex`. Refer to *L^AT_EX: A Document Preparation System* for more discussion of these sample files. To make your L^AT_EX installation run faster you can “flatten” the “•LaTeXR4P1” folder in your TeX inputs folder by moving all of the files from their subfolders (e.g. `base`) up into the “•LaTeXR4P1” folder.

ODDS AND ENDS

Where to Find Us

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Help from us

If you need help with the installation of L^AT_EX 2_ε, give us a call or send us e-mail or a fax. We'll be happy to work with you to get your system up and running smoothly.

There are now help documents available to you electronically. The FAQ (Frequently Asked Questions) list may be obtained by sending a blank message to `faq@bluesky.com`. T_EX versions of the FAQ, “Textures & PostScript Printers,” and sales information are available from our FTP server `ftp.bluesky.com` in the `/pub/info` directory.

Please visit our Web site! We have L^AT_EX information available at <http://www.bluesky.com/techsupport/techlatex.html>

Help from others

We can’t teach you how to use L^AT_EX 2_ε, write macros, or modify style files, or troubleshoot macros you’ve written. If you need these services, we would be happy to refer you to T_EX consultants for programming assistance.

Other resources available to you include:

The T_EX User Group 800-963-1338, or electronically at `tug@tug.org`.

`comp.text.tex`, an Internet newsgroup for discussion of the use of T_EX and L^AT_EX. It is an excellent resource for novices and experts alike.

The Comprehensive T_EX Archive Network (CTAN) refers to a collaborating network of ftp sites worldwide which serve as archive locations for public domain T_EX files. A few of the largest archives are: `ftp.tex.ac.uk`, `ftp.shsu.edu` and `ftp.dante.de`.

Suggestions?

We value your letters, faxes, and phone calls. Please let us hear if you have suggestions, complaints, or praise—or when you discover interesting things to do, or interesting ways to do things, with Textures.