WELCOME TO LATEX 2$_\epsilon$!

LATEX, designed byLeslie Lamport, isa collection of macrosand a set ofstyle files foruse withTEX.The macros allow you to easily create documents in a wide variety of standard styles. Because of the prebuilt formats and styles in LATEX and the portability of TEX code, LATEX is widely used for the scientific and mathematical communications, including production of journal articles, reports and books.

LATEX 2$_\varepsilon$ is the new standard version of LATEX. It has been improved in many ways to more easily accommodate graphics, color, and font handling.

The LATEX 2$_\varepsilon$ 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 LATEX 2$_\varepsilon$ 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 LATEX 2$_\varepsilon$ comes compressed on two high density disks.

The two disks in the LATEX 2$_\varepsilon$ set contain everything you need to run LATEX. This includes the format file, input files, font metrics, and fonts. They do not include the AMS font set, for use with AMS-LATEX.

If you need the "base" and "package" distributions from CTAN you can get them via ftpfromanyCTANsite, 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_EX 2_ε FOR TEXTURES

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

Naming Conventions

SinceLaTeX2_ε isrecognizedasthenewL ^ATEXstandard,wehaveadoptedthefollowing new naming convention. LaTeX 2_ε is simply called LaTeX, and the older version of LaTeX is now called LaTeX209. Since LaTeX 2_ε is being continously 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 LaTeX 2_ε or have one of the LaTeX 2_ε reference manuals like *LaTeX: A Document Preparation System* and *The LaTeX Companion*. Findmore about themat `http://www.bluesky.com/bookstore/-bookstorehome/`.

SUPPLEMENTAL FILES

Source files for recompiling L^AT_EX 2_ε

Since we have included a pre-compiled LaTeX 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 LaTeX 2_ε and an error in the TeX log (`Incompatible format file: Please \dump it again`). The formatisalready"fat" soPowerMac usersdonotneedtorecompile.

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 LaTeX 2ε 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 LaTeX

If you have a previous version of LaTeX installed, and would like to run the old and new LaTeX side-by-side, please follow the instructions in the section called "Save your old LaTeX." 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.

LaTeX2ε usesmorememorythan LaTeX2.09, soyou mayneedtoincrease theTextures 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 thedesired partition size (we recommend at least 4000K).

SAVE YOUR OLD LaTeX

In order to run both LaTeX 2.09 and LaTeX 2ε side-by-side, you should rename the old format to "LaTeX209", and move LaTeX 2.09 files into a separate folder named "LaTeX209". *IMPORTANT: Do this before installing the new version of LaTeX 2ε to avoid overwriting style files from the LaTeX 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`	`lablst.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 LaTeX 2ε.

INSTALLING LATEX 2ε

To install LATEX 2ε for use with Textures:

1 Turn virus protection off to allow fonts to be installed into the System File.

2 Insert the LATEX2ε Disk 1 into yourMacintosh, 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 LATEX 2ε.

To check your installation, and try your hand with LATEX 2ε ,there are two sample files, `sample2e.tex` and `small2e.tex`. Refer to *LATEX: A Document Preparation System* for more discussion of these sample files. To make your LATEX 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

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Help from us

If you need help with the installation of LATEX 2ε, 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`. TEX 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 LaTEX information available at `http://www.bluesky.com/ techsupport/techlatex.html`

Help from others

We can't teach you how to use LaTEX 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 TEX consultants for programming assistance.

Other resources available to you include:

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

`comp.text.tex`, an Internet newsgroup for discussion of the use of TEX and LaTEX. It is an excellent resource for novices and experts alike.

The Comprehensive TEX Archive Network (CTAN) refers to a collaborating network of ftp sites worldwide which serve as archive locations for public domain TEX 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.