

## TeX Collection 2011 DVD

TeX Collection editors

The TeX Collection is the name for the overall collection of software distributed by the TeX user groups each year. Please consider joining TUG or the user group best for you (<http://tug.org/usergroups.html>), or making a donation (<https://www.tug.org/donate.html>), to support the effort.

All of these projects are done entirely by volunteers. If you'd like to help with development, testing, documentation, etc., please visit the project pages for more information on how to contribute.

Thanks to everyone involved, from all parts of the TeX world.

### 1 proTeXt (<http://tug.org/protext>)

proTeXt is a TeX system for Windows, based on MiKTeX (<http://www.miktex.org>), with a detailed document to guide your installation and additional Windows-specific tools.

For 2011, proTeXt now has a standard application program (`Setup.exe`) for installation, instead of using an interactive PDF document. Continual changes in Adobe Reader's security policies broke installation from the document, and free (libre) PDF readers didn't implement the necessary features.

Also, TeXnicCenter has been replaced as the standard editor by TeXStudio, formerly TeXMakerX (<http://texstudio.sf.net>).

proTeXt currently has English and German as possible installation languages. Volunteers to make translations to other languages are most welcome.

### 2 MacTeX (<http://tug.org/mactex>)

MacTeX is a TeX system for Mac OS X, based on TeX Live, with a native Mac installer and additional Mac-specific tools. MacTeX 2011 requires at least Mac OS X 10.5 (Leopard), and runs on Leopard, Snow Leopard (10.6), and Lion (10.7), both Intel and PowerPC machines. The package installs the full TeX Live 2011, Ghostscript 9.02, the `convert` utility from ImageMagick 6.6.9-3, and the current versions of BibDesk, L<sup>A</sup>T<sub>E</sub>X<sub>i</sub>T, TeX Live Utility, TeXShop, and TeXworks, as well as the TeX Dist Preference Pane, which allows users to switch easily between different TeX distributions.

Last year, users saw what appeared as two distributions in the Preference Pane, one with 32 bit universal binaries and one with 64 bit binaries. This year the panel shows only one 2011 entry, with a drop down menu to choose between 32 and 64 bit. The 64 bit binaries require Snow Leopard or higher (this year all binaries except `xetex` and `xdv2pdf` have 64

bit versions). Distributions from past years look as they did before in the Preference Pane.

The Collection also includes MacTeXtras (<http://tug.org/mactex/mactextras.html>), which contains many additional items that can be separately installed. This year, software that runs exclusively on Tiger (Mac OS X 10.4) has been removed. The main categories are: bibliography programs; alternative editors, typesetters, and previewers; equation editors; DVI and PDF previewers; and spell checkers.

### 3 TeX Live (<http://tug.org/texlive>)

TeX Live is a comprehensive cross-platform TeX system. It includes support for most Unix-like systems, including GNU/Linux and Mac OS X, and for Windows. Major user-visible changes in 2011 are few:

The `biber` (<http://ctan.org/pkg/biber>) program for bibliography processing is included on common platforms. Its development is coupled with `biblatex` (<http://ctan.org/pkg/biblatex>), a full reimplement of the bibliographical facilities provided by L<sup>A</sup>T<sub>E</sub>X.

The MetaPost (`mpost`) program no longer creates or uses `.mem` files. (The needed files, such as `plain.mp`, are simply read on every run.) This is related to supporting MetaPost as a library, which is another significant though not user-visible change.

The `updmap` implementation in Perl, previously used only on Windows, has been revamped and is now used on all platforms. No user-visible changes are intended, except that it runs much faster.

The biggest change is simply the package and program updates and additions that have accumulated over the past year: TeX Live 2011 is some 250 MB larger.

### 4 CTAN (<http://www.ctan.org>)

CTAN is the Comprehensive TeX Archive Network, a set of servers worldwide making TeX software publicly available.

The CTAN snapshot is about 3.8 GB this year. As usual, it was made from the German node (<http://dante.ctan.org>) and does not include the other components of the Collection. It is available to TUG members (and joint members) from the TUG members area, <https://www.tug.org/members>.

- ◇ TeX Collection editors  
Thomas Feuerstack (proTeXt),  
Dick Koch (MacTeX),  
Herb Schulz (MacTeXtras),  
Karl Berry (TeX Live),  
Manfred Lotz (CTAN)  
<http://tug.org/texcollection>