The Treasure Chest

Packages posted to CTAN

The vast number of available packages is at once a wonderful resource and strength of the TeX community, a veritable embarrassment of riches as well as an awkward political minefield and urban turf war (divisions between (Plain) TeX and LaTeX and other macro packages). Despite extraordinary efforts on the part of volunteers like Graham Williams, the CTAN team and participants in `comp.text.tex`, and most especially Robin Fairbairns, maintainer of the UK TeX FAQ, available at `http://www.tex.ac.uk/faq`, many users find it difficult to find the appropriate package for their needs.

This is a chronological list of packages posted to CTAN between January and June 2001 with descriptive text pulled from the announcement or researched at need and edited for brevity — however, all errors are mine. Packages are in alphabetic order and are listed only in the last month they were updated. Individual files / partial uploads are listed under their own name if so uploaded. If not otherwise noted, packages are in `macros/latex/contrib/supported/`. Subdirectories (e.g. `foo`) of `macros/latex/contrib` are listed as `.../foo` to save space.

This is my second of three columns for "The Treasure Chest". Mark LaPlante is scheduled to do the next column (for July – December 2001); my final column will cover the beginning of 2002; and Mark's tour of duty will then continue without further interference from yours truly. Hopefully this column and those which follow will help to make CTAN a more accessible resource to the TeX community.

Corrections and suggestions are welcome.

January 2001

`attachfile` Attach arbitrary files to PDF documents for later extraction. Also adds the ability to modify the file icon.

`circuit_macros` in `graphics`
(V.5.0) A set of macros for drawing high-quality electric circuit diagrams containing fundamental elements, amplifiers, transistors, and basic logic gates. Several tools and examples for other types of diagrams are also included. More robust NOT_gate, Function `pmod()`, macro `shade()`, etc. Examples are now in Xfig version 3.2 format, web-based examples and updated links, new, more robust macros, editorial changes to the manual.

cmtiup in `fonts/cm`

Replacement of `cmti*` fonts by `cmtiup*` simplifies typesetting of articles where otherwise author or editor have to use additional commands in italic text with formulas.

CWEBbin in `web/c_cpp`

(V.3.63) A set of change files (to be applied with the TIE processor) that make the original sources usable with ANSI-C/C++ compilers on UNIX/Linux, MS Windows, and Amiga. Extra functionality, like macros, and macros for international documentation of CWEB programs, is introduced.

dice3d in `fonts/dice`

METAFONT source for 2D and 3D pictures of dice.

EC in `nonfree/systems/win32/bakoma/fonts`

EC fonts in ATM compatible Type 1 font format intended for installing under BaKoMa TEX 3 and later.

Eplain in `macros/eplain`

V.2.8.1 of `Eplain`, a macro package that extends the definitions of plain TEX.

hypernat.sty in `.../supported/misc`

(V.1.0a) Makes `hyperref` and `natbib` with options **numbers** and **sort&compress** work together. Thus the citations (e.g. [3,2,1]) will be compressed to [1 – 3], where the '1' and the '3' are (color-)linked to the bibliography.

hyphenat This package can be used to disable all hyphenation in a document or just in selected text. It also enables hyphenation of words with analphabetic characters (e.g., that include underscores), and hyphenation in monospaced fonts. V.2.3a fixes a double hyphen problem with some fonts.

IEEEtran_v13.cls in `.../supported/IEEEtran`

This is a new beta test version of the class for authors of papers in journals published by the Institute for Electrical and Electronics Engineers (IEEE).

jurabib Supports various forms of short and long citations — now more flexible and no longer just for German law students. Changes and improvements in v.0.5e too numerous to mention.

Kto8 in `systems/mac`

Converts the strangely ASCII-encoded text files often used by TEX into true 8-bit text files. Presently a freeware program realized for Macintosh OS as a tiny drag-and-drop utility.

LATEX2E.BKZ in `nonfree/systems/win32/bakoma/dst`

This module includes updated LATEX 2ε with *required* packages, AMS-LATEX, and `HyperRef` packages.

LH in `nonfree/systems/win32/bakoma/fonts`

LH fonts in ATM compatible Type 1 font format intended for installing under BaKoMa TEX 3 and later.

MiKTeX in `systems/win32/miktex/2.0`

MiKTEX is a free TEX distribution for Windows.

minutes.sty in `.../supported/minutes`

Writing minutes, v.1.6 offers: new votes, new fields for title (location, guest) and solved some bugs.

mkpic in `support/mkpic`

(V.0.1) Perl script interface for making pictures with `mfpic`.

ps2eps in `support`

A tool to produce EPS/EPSF files from usual one-paged PostScript documents. New v.1.28 improves the calculation of bounding boxes. Requirements: Perl, Ghostscript and an ANSI-C compiler if your platform is not Linux, Solaris, Digital UNIX or Windows 2000/9x/NT (binaries included).

sepnum.sty in `.../supported/misc`

This package provides a means of formatting numbers with (a) a decimal separator different than the default '.' and (b) a separator (default ',') every three digits. All separators are user-definable; the macro implementation is fully expandable and can therefore be used in places where problems occur with fragile commands.

titlesec Essentially a replacement — partial or total — for the LATEX macros related to sections; namely, titles, headers, and contents (upgrade to v.2.4). This version contains the incremental updates in previous releases and bug fixes.

ttf2pt1-3.3.2 in `fonts/utilities/ttf2pt1`

System for converting TrueType fonts to Type 1 and installing them.

TXFONTS.BKZ in `nonfree/systems/win32/bakoma/fonts`

TX Fonts (3.1) and PX Fonts (1.0) in ATM compatible Type 1 font format intended for installing under BaKoMa TEX 3 and later.

WinShell in `systems/win32/winshell`

Beta version of WinShell, a graphical user interface for easily working with TEX. It is *not* a TEX system so requires one to have a system such as MikTEX or TEXLive installed.

xtem in `support/xtem_texmenu/xtem.v8`

Provides for a simple and comfortable graphical user interface (GUI) to control TEX/LATEX. Runs with new Tcl/Tk version 8. First version which does not need TclX. Select boxes in setting menus are now expandable, modifications of logfile analyze; warnings can now be displayed and editor options can now be modified.

ziffer in `.../supported/misc`

Formats numbers with the correct German spacing (even in math mode).

February 2001

abstract Gives you control over abstracts, and in particular provides for a one column abstract in a two column paper. V.1.1 adds an option for a run-in heading.

ae in `fonts/ae`

This package is a set of virtual fonts for creating

PDF files with T1-encoded CMR fonts. New in v.1.3 adds support for the slides fonts.

ASCII-Cyrillic in `language/ascii-cyrillic`
A new system for dealing precisely with Cyrillic languages using no more than an ASCII keyboard and screen font.

babel in `macros/latex/required/babel`
(V.3.7) Very much like the later releases of `babel` 3.6k and later. The concept of language attributes is new in this release and support for a number of languages has been added.

catdvi in `dviware`
(V.0.11) The program is a `.dvi`-to-plain text translator capable of generating ASCII, Latin-1 and UTF-8 (Unicode) output. It aims to become a superior replacement for the `dvi2tty` utility. The previous version is usable for previewing (on character-cell displays) `.dvi` files that contain mostly linear text. The new version includes a much improved layout algorithm which can generate a fairly pleasantly readable text file from a multicolumn `.dvi` file.

cd-cover in `.../other`
Class for typesetting various forms of CD covers.

chemarrow in `.../other`
Macro and font provide new arrows for chemical reaction schemes. Easy to use and æsthetically more pleasing.

chngpage Provides commands to change the page layout in the middle of a document, and to robustly check for typesetting on odd or even pages. V.1.1c fixes odd/even page check problem when used with `calc` or `hyperref`.

epsdice Scalable dice font, accepts counter values as arguments; v.1.1 works with pdfLATEX.

epstopdf.sty in `.../supported/oberdiek`
Adds support for handling images in `eps` format to `graphic{s,x}` with option `pdftex`.

euro-ce in `fonts`
METAFONT source of the official Euro currency symbol and CE logo including variants, in both solid and outline.

GenMPage in `.../supported/genmpage`
Generalizes LATEX's minipages. Keyval options and styles can be used to determine their appearance in an easy and consistent way. V.0.3 introduces options for paragraph indentation and vertical alignment with respect to the visual top and bottom margins.

hvmaths.ins in `.../supported/psnfssx`
Install scripts can be processed with plain or IniTeX.

JavaBib in `biblio/bibtex/utils`
GUI BibTEX reference manager written in Java. Beyond easy reference entry, JavaBib can search a database, and paste citations to the system clipboard.

jPicEdt in `graphics/jpicedt`
Java program that allows you to draw pictures from a menu-driven interface, using LATEX's `picture` environment or `epic/eepic` macro packages.

listings Source code printer for LATEX. This update adds support for Visual Basic and removes some bugs.

ly1.txt in `.../supported/psnfssx`
Fixes a misleading typo.

nomentbl in `.../other`
This package is a redefinition of the `nomencl` package. Instead of the usual `makeindex` style it uses a `longtable` environment to put the symbol list in three columns: symbol, description and unit.

pdflscape.sty in `.../supported/oberdiek`
Adds PDF support to the environment `landscape` of package `lscape` by setting the page attribute `/Rotate`. Also works with `dvips`.

pdftricks Helps to include `pstricks` code in a document to be processed by pdfLATEX.

prelim2e in `.../supported/ms`
(V.1.23) Package to mark preliminary versions of a document. Adds `danish` and `italian` options.

psnfssx Cleaned up and reorganized. This directory is the home of packages that complement the basic PSNFSS distribution, primarily to support commercial PostScript fonts. The following subdirectories are provided: `adobe`, `lucidabr`, `mathtime`, `hvmath`, `tmmath`, `ly1`, `8r` and `obsolete`.

rfc2bib.awk in `biblio/bibtex/utils`
gAWK script to automatically generate BibTEX entries from IETF RFCs. The script has been updated to better handle RFCs with periods in the title and to deal with what appears to have been a change in the format of the date for *just* RFC768.

sviewer351.exe in `systems/win32/scientificviewer`
Scientific Viewer 3.51 is a free program for reading and printing (read-only) documents created with Scientific Notebook, Scientific Word or Scientific WorkPlace by MacKichan Software, Inc. It can also be used to view many native LATEX documents.

tmmaths.ins in `.../supported/psnfssx`
Install scripts can be processed with plain or IniTEX.

wp-conv.zip in `help`
Updated version of FAQ pages on converters between (LA)TEX and wordprocessors.

March 2001

alg Added support for German. Fixed typo in the French language support. Now uses the language selected for the `babel` package and has more flexibility in handling `marginwidth`.

allrunes in `fonts`
Almost all runes ever used in Europe, including not only the main forms, but most variant forms.

AlProTex.sty in `web/protex`
Minor modifications to this literate programming system, for compatibility with `TeX4ht`.

appendix Provides various ways of formatting the titles of appendices. Also (sub)appendices environments are provided that can be used for per chapter/section appendices.

bophook (V.0.2) Hook for adding material at the beginning of each page. New version adds partial support for `hyperref`.

boundbox.sty in `.../supported/sttools`
Calculate TeX Bounding Box in points.

braille.sty in `.../supported/braille`
Update of package for typesetting braille.

bundledoc A post-processor for the `snapshot` package that bundles together all the classes, packages, and files needed to build a given document. Ships with configuration files for teTeX/Linux and MikTeX/WinNT.

ccaption Provides continuation captions, unnumbered captions and legends, captions outside `float` environments, bilingual captions, etc. It also enables the definition of new `float` environments and their captions. Tools are provided for defining your own captioning styles. V.3.0 provides the same tools as `tocloft` for styling List of floats.

chbibref in `.../supported/misc`
Provides a class-independent means of changing the Bibliography/References title.

chngcntr in `.../supported/misc`
Provides commands to change the resetting of counters (i.e., it provides wrappers for `\@addtoreset` and `\@removefromreset`).

compactbib.sty in `.../supported/compactbib`
Enables multiple bibliographies with different names and continuous numbering.

comprehensive in `info/symbols`
Major update of this list of well over 2,000 symbols available for use in LaTeX. Changes include: T1 fonts used only where absolutely necessary, the addition of a README file and an ASCII symbol list (SYMLIST), and a prebuilt PostScript version. Symbol tables have been categorized into "text", "math", "science/technology", and "other" symbols.

CurVe in `.../supported/curve`
A class for making CVs (in distinct versions). Provides commands to create rubrics, entries in these rubrics, etc.

cuted.sty, midfloat.sty in `.../supported/sttools`
Mixing `onecolumn` and `twocolumn` modes at any place on a page.

cv A style for a curriculum vitæ and an example CV.

dvii in `dviware`
Extracts and displays information regarding a `dvi` file.

eulervm in `fonts`
(V.2.6) This is a set of *virtual* math fonts, based on Euler and CM. Included is a LaTeX package, which makes them easy to use, particularly in conjunction with Type 1 PostScript text fonts. Should work with the latest `amsmath.sty` and now has an option to load the fonts at 95% of their nominal size.

excel2latex in `support`
Exports the current selection of a Microsoft Excel spreadsheet as a file, which can be included in an existing document. Nearly all formattings are supported (bold, italic, border lines, multicolumn cells, etc.). Now works with Excel 97.

fink This package looks over your shoulder and keeps track of files `\input` or `\included` in your document and provides a macro to access the name of the file currently being processed.

fixme Provides 'fixme' notes in draft documents, includes support for AUC-TeX.

floatpag.sty in `.../supported/sttools`
Different pagestyles for text and float pages.

flushend.sty in `.../supported/sttools`
Columns balancing at last page.

french in `language`
Light version has a maximum of automatic features: translation, layout, microtypography, etc., but no specific commands are available. Footnotes should no longer generate an "undefined!" error message.

FrenchPourWin in `nonfree/language/french`
Windows distribution of French Pro V.5.02.

fullpict.sty in `.../supported/fullpict`
Enhances the previous enviroment `scalepicture` in that it works properly inside `tabular` and `minipage` environments, and also chooses appropriate font size for the scale of the picture.

hanging Facilitates typesetting of hanging paragraphs. It also enables typesetting with hanging punctuation. V.1.2 adds option for less aggressive hanging punctuation.

iso-8859-2.xmt in `macros/xmltex/base`
Encoding support file.

KTeXShell in `systems/unix`
A graphical user interface to TeX, LaTeX, and related programs, running on Linux/UNIX with KDE. It is not another WYSIWYG approach. Instead it provides a document development interface where you can define your files, edit, compose, view, and print them with a mouseclick. V.0.4.0 updates to compile under KDE2.

lcg in `.../other/lcg`
Writes random numbers (integers) to a counter via a linear congruential generator (Schrage's method). Corrected docs and implements a key "quiet" to suppress the output to the screen and the log-file.

marginal.sty in `.../supported/sttools`
Enlarge free and show lost marginal inserts.

MNRAS in `.../supported/mnras`
Class file that enables authors to produce papers for submission to *Monthly Notices of the Royal Astronomical Society* and to produce references in a suitable format.

MPEdit in `graphics/metapost/tools`
METAPOST text editor for Windows 98, 95, NT 4, and 5, and ME. Provides the main possibilities on creation and editing of METAPOST files.

numprint Prints numbers with a separator every three digits and converts numbers given as 123e456 to $123 \cdot 10^{456}$. If an optional argument is given it is printed upright as a unit.

paralist This style file provides some new list environments. Itemized and enumerated lists can be typeset within paragraphs, as paragraphs and in a compact version. Most environments have optional arguments to format the labels. Additionally, the LaTeX environments `itemize` and `enumerate` can be extended to use a similar optional argument.

polynom Implements macros for manipulating polynomials, for example it can typeset long polynomial divisions.

presfull.pdf in `.../supported/sttools`
"Inside LaTeX 2_ε kernel" by Sigitas Tolusis.

PSTricks in `graphics/pstricks`
New versions of `pst-gr3d` and `pst-poly` (to draw for three dimensional grids and to draw polygons) and a new contribution `pst-lens` to simulate the effect of a lens.

px_patch1.zip in `fonts/pxfonts`
Fixes an encoding mistake in Math Italic fonts.

sc3demo.tex in `.../supported/sidecap`
Small example for the package `sidecap`.

stabular.sty in `.../supported/sttools`
Multipage tabular.

stfloats.sty in `.../supported/sttools`
Floating baselineskip, footnotes below the floats, dblfloats at bottom.

TeX4ht in `support`
An enhanced version of a system for translating (LA)TEX sources into hypertext.

texor111.exe/txt in `systems/win32/util`
Free Windows front-end with buttons which can be assigned to run specific programs.

TeXProject.sty in `graphics/dratex`
An enhanced version of a (LA)TEX-based project management system.

TeXshade in `.../supported/texshade`
A macro package for setting shaded nucleotide and protein alignments. It can process multiple sequence alignments in the `.MSF` and `.ALN` file formats. Update fixes some bugs and offers new commands for the fine adjustment of feature lines and allows one to add a caption to the alignment.

texsort.sty in `.../supported/sttools`
Sort/compress numerical lists.

TeXtopo in `.../supported/textopo`
Plots topology data of membrane proteins derived from PHD predictions, from SwissProt database files or from manually entered data, and transmembrane domains as seen from above or beneath the cell membrane. Fully compatible with `TeXshade` — this allows one to apply calculated shading based on sequence conservation and functional aspects of the residue sidechains.

tfmpk in `fonts/utilities`
Font viewer for TEX `tfm`/`pk` fonts.

thumbpdf in `support`
V.2.9 provides support for thumbnail previews in PDF files.

titling Provides control over the typesetting of the `\maketitle` command, and makes the `\title`, `\author` and `\date` information permanently available. V.2.1 adds support for new titling elements, additional controls for the layout of thanks text and a method for centering on the physical page.

tmview in `dviware`
(V.01.03) Fixes a number of bugs and adds some limited support for color specials.

ttf2tex in `support`
Bash script which will create all files neccessary to use TrueType fonts with teTEX.

tx_patch1.zip in `fonts/txfonts`
Fixes an encoding mistake in math italic fonts.

varindex Provides a convenient front-end for the `\index` command. For example, it allows generation of multiple index entries in almost any form by a single command. Extremely customizable. Works with all versions of LaTeX and most other TEX formats, too.

windows-1250.xmt in `macros/xmltex/base`
Encoding support file.

April 2001

aeguill Update to v.1.01 to work properly with the `frenchle` package. Provides several kinds of guillemets which are useful with the `AE` font which lacks guillemets.

amsldoc in `info/italian/amsldoc`
Italian translation, "Manuale utente per il pacchetto `amsmath`."

amsthdoc_it in `info/italian/amsthdoc`
Italian translation of `amsthdoc`, "Utilizzo del pacchetto `amsthm`."

authblk in `.../other/preprint`
Allows footnote-style printing of author and affiliation.

balance in `.../other/preprint`
Balances the columns of two-column mode.

dashrule Draws a huge variety of dashed rules in LaTeX, with parameters for the pattern of dash segments and the space between.

clock Graphical clocks (with a classical 12h dial and two hands) and text clocks (in 24h format) which can show an arbitrary or system time with user expandable appearance.

combine (V.0.42) Bundles individual documents into a single document, such as when preparing a conference proceedings. The auxiliary **combinet** package puts the titles and authors into the main document's Table of Contents. Update works with **fancyhdr** and fixes a pagebreaking problem.

diagnose Provides tools to allow package authors, system administrators or users to determine if everything a given package needs is installed.

diffs-m_it in **info/italian/amsmath**
Diff files for Italian — "Vari files AMS".

dingbats in **fonts**
Provides LaTeX names for some of the characters in the **dingbat.mf** and **ark10.mf** fonts, including decorations, pointing hands, pencil, anchor, etc.

docindex in **macros/latex/exptl/xdoc**
Reimplementation of the doc mechanisms for sorting and formatting a sorted index with easier configuration.

dpfloat Assists in formatting double-page figures or tables, as two consecutive elements. Ensures that the first of the pair is on a left-hand page.

eps_anleitung.html in **info/german/grafik**
Describes how to create **eps** files under Windows.

eqparbox Allows one to define tags for **\eqparbox**es — all such with the same tag are set to the same width.

examdesign Typesetting of exams (incl. matching and multiple choice) and answer keys.

figcaps in **.../other/preprint**
Suppresses printing of figures and puts all captions and tables at the end of a manuscript (as is required by some submission guidelines).

fmp Provides a means to include Functional MetaPost, a Haskell front end to the METAPOST language, into LaTeX. Includes documentation in PDF format.

Fontmap.cmr in **fonts/cm/ps-type1/contrib**
Makes certain fonts distributed with **tetex** available to **ghostscript**, including **tx** and **pxfonts**. Update for MarVoSym name change.

formular Macros for typesetting forms (formular documents). Supports blank fields to be written in, or predefined contents.

fullpage in **.../other/preprint**
Sets all margins to be either 1 inch or 1.5 cm, and specifies the page style.

itfancyhdr in **info/italian/fancyhdr**
Italian translation of the **fancyhdr** documentation, "Layout di pagina in LaTeX".

import.sty in **.../supported/misc**
Allow input (with variations) of a file with its own inputs from another directory.

itlshort in **info/lshort/italian**
Italian translation of *The Not So Short Guide to LaTeX — Una (mica tanto) breve introduzione a LaTeX 2ε*.

koma-script Reimplementation of the LaTeX classes (**article**, **report**, **book**, **letter**), "implementing European rules of typography and paper formats" as documented by Tschichold in *Selected Papers on Book Design and Typography*.

manjutex in **language/manju**
Package using TeX or LaTeX 2ε and METAFONT to typeset Manju, a language of North East Asia, belonging to the Tungusic branch of the Altaic languages.

MiKTeX-WinEdt-TrueType-Anleitung in **info/german**
Describes the co-operation of MiKTeX with WinEdt, and includes a German translation of Damir Rakityansky's "Using TrueType fonts with TeX (LaTeX) and pdfTeX (pdfLaTeX)".

multibbl in
nonfree/macros/latex/contrib/supported
Facilitates the inclusion of bibliographies written in different scripts, e.g., Greek and Hebrew.

newlfm Integrates the **letter** class with **fancyhdr** and **geometry** to produce letters, (standard or business) memos and faxes. Supports stationery, a database for addresses, other languages, tables, figures, Avery address labels and has a full manual.

noTeX in **biblio/bibtex/utils**
A BibTeX style that outputs HTML. It can be used to automatically generate bibliographies for the web.

pdfpages Package to enable the inclusion of pages of external PDF documents. V.0.1i enables hypertext features.

pkfix in **support/pkfix**
Attempts to replace bitmap fonts in **dvips**-generated PostScript files with Type 1 outline fonts.

pl-mf in **language/polish**
METAFONT source for Polish version of Computer Modern.

poligraf in **macros/generic/TeX-PS**
(V.2.0) Robust set of macros for prepress (CMYK separations, cropmarks, color or grayscale bars, mirror print). Works with Plain and LaTeX; includes sample files and docs in English and Polish.

srcltx Inserts source specials in **.dvi** files, enabling switching from a particular point in a previewer which supports them (e.g., **Yap** or **xdvi-22.38**) to the matching source in an editor which supports external direction to a specific point.

sublabel in **.../other/preprint**
Enables subnumbering (4a, 4b, 4c...) of even user-defined counters.

texdoctk in **systems/unix/teTeX/1.0/contrib/**
(V.0.5.1) A Perl/Tk-based GUI for easy access to package documentation. Bugfix update allows viewing of compressed files and other enhancements (see the README).

textpos Places boxes (containing text, or graphics, or a table, etc.) at absolute positions on the page. Version 1.1e corrects a spacing bug in 1.1d.

tocbibind A package to add document elements like a bibliography or an index to the Table of Contents. The "List of ..." headings can also be put into the ToC. V.1.5 no longer needs `stdclsdv` and fixes problem when used with `hyperref`.

tocloft The package provides control over the typography of the Table of Contents, List of Figures, and List of Tables. V.2.2 updated to work with `hyperref`.

ua.dic in `systems/win32/winedt/dict`
Ukrainian dictionary for WinEdt.

uhrzeit Time of day and ranges of time in German and international formats, including ancient formats (minutes superscripted and underlined).

uk-tex-faq in `help`
Moved from `usergroups/uktug/faq`.

upquote Modifies `\verb` and `verbatim` so that single quotes are vertical/straight, not curly.

xdoc2 in `macros/latex/exptl/xdoc`
Second prototype for the hypothetical `xdoc` package. Reimplements some of the features found in the standard LaTeX `doc` package. Additionally provides support for defining new commands similar to `\DescribeMacro` and new environments similar to the macro environment, for two-sided document layouts, for external cross-referencing, for making index entries for invisible characters, and for optionally ignoring certain prefixes (such as `@` and `@@`) in macro names when sorting them.

May 2001

dehyphn.tex in `language/hyphenation`
Version R31 of the "New German" hyphenation patterns. Fixes two bugs.

diagxy in `macros/generic/barr`
Front end for `xypic` to draw commutative diagrams.

everyshi in `.../supported/ms`
LaTeX package which provides hooks into `shipout`. V.3.0 update adds `\AtNextShipout` command.

fixmath in `.../supported/was`
A package to provide italic uppercase Greek letters in math and an additional bold italic math alphabet to be used with Computer Modern.

hvmath in `.../supported/psnfssx`
V.1.2b bug-fix update of this package for using MicroPress' HV-Math (Helvetica Math) fonts.

icomma in `.../supported/was`
An 'intelligent' comma, which yields proper spacing in decimal numbers as well as in mathematical expressions which does not depend on a specific encoding, and works with decimal numbers of arbitrary length.

isodate (V.2.03) Tunes the output format of the `\today` command providing `\isodate`, `\numdate`, `\shortdate`, `\TeXdate` and `\origdate` to print a date argument using the actual date format (German (old and new rules; Austrian), US English,

French, Danish, and Norwegian) for output. Compatible with `bibgerm` style file.

itgrfguide in `info/italian`
Italian translation of the documentation for the `graphics` bundle.

itpfgguide in `info/italian/psfrag`
Italian translation ("Il sistema PSfrag") of the documentation for `PSfrag`.

jlshort in `info/lshort/japanese`
Japanese translation of *The not so short introduction to LaTeX 2ε* by Tobias Oetiker, version 3.13.

lettre Designed to write letters in French, German, or English. Configurable, through a number of dimensions and macros,; these may be grouped in an "institute package" called at initialization. Includes documentation (in French) and examples.

mathlig in `macros/generic`
Multicharacter ligatures in Math Mode, which can make for much more readable source, e.g., `->` could expand to `\rightarrow`, without compromising the normal math mode use of `-` and `>`.

mdvi in `dviware`
Previewer for `dvi` files which supports a wide variety of font formats (PK, GF, VF/OVF, Type 1 and TrueType).

memoir in `macros/latex/exptl`
Initial (alpha) release of Peter Wilson's flexible LaTeX `documentclass` for typesetting of books such as novels, biographies, histories, etc., with options for trim marks, draft (double-spaced, ragged right, no hyphenation, typewriter font) appearance, various sizes and much more. *Note:* This package has moved out of alpha and into a highly refined state and is now in `memoir`.

mftinc Include pretty-printed Metafont source in a LaTeX document.

mtfonts.fdd in `.../supported/psnfssx/mathtime`
Source for the `.fd` files for Y&Y's MathTime fonts. All fontnames changed to lowercase, to match the files as now distributed by Y&Y (cf. the LaTeX bug report psnfss/3001).

newcommand.py in `support/newcommand`
Python program to automatically generate LaTeX macro definitions for macros which require powerful argument processing.

oesch in `fonts/oesch`
METAFONT script font (partial T1 encoding) for Austrian School Writing in 10 and 20 point sizes.

pdftex.def in `macros/pdftex/graphics`
(V.0.03g) Update to handle zero values for `paperwidth` and `paperheight`.

petri-nets in `macros/generic`
Set of TeX/LaTeX packages for drawing Petri-nets (and related models) in PostScript documents, with macros related to PBC, M-nets, etc.

psnfss-beta in `macros/latex/required`
Public test release of the new version 8.2. Integrates the `mathpazo` package into `psnfss`.

snapshot Provides a snapshot of the current processing context external dependencies of the document insofar as it can be determined from inside LaTeX.

toolbox (V.2.1) Macros for various tasks often needed in TeX programming.

ukrhyph in `language/hyphenation`
Update.

upgreek in `.../supported/was`
A package to provide the upright Greek letters from the Euler or Adobe Symbol fonts as additional math symbols, with proper scaling in super- and subscripts.

varindex Customizable and convenient front end for the \index command. Version 2.2 fixes placeholder replacement with commas, adds new variables to control the output, and more. Requires `toolbox` 2.1.

wp2latex in `support`
Conversion from Wordperfect 6 – 8 into LaTeX. Update adds ability to extract WPG to PostScript.

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abstract Gives you control over abstracts, and in particular provides for a one column abstract in a two column paper.

bakoma in `systems/win32`
Upgrade to BaKoMa TeX system to v.3.50.

BibTexMng in `biblio/bibtex/utils`
(V.2.0) Easy to use bibliographic software for Windows. Combines online searching, reference management, bibliography making, and information sharing into a single user-friendly environment. It was written to be used with LaTeX, using BibTeX. Update improves interface, provides for HTML bibliography and bug fixes.

bluesky/pfb in `fonts/cm/ps-type1`
Updated to fix a typo in `eexec` routine in the outline font binaries which caused problems when previewing with Acrobat 5.0.

cbgreek.zip in `fonts/greek/cb/mf`
Updated version of CB Greek fonts.

chemarr.sty in `.../supported/oberdiek`
(V.1.1) Chemical reaction arrows with the possibility to put text above and below. Requires `amsmath`.

emtexTDS/fix007 in `systems/os2/emtex-contrib`
Fix pack for emTeX/TDS 0.55 (OS/2).

esdiff Typesets derivatives, partial derivatives, multiple derivatives.

footmisc Updated version with improved support for LaTeX code, better hiding of debugging information and improved per-page algorithm (tested on documents in the hundreds of pages).

gtex-letter in `support`
A Gnome assistant (wizard/druid) to create letters (including list-merges) with support for the Gnome address book, PIM and batch operation and UNIX pipes; features user-selectable interface modes (novice – expert) which access the features of the LaTeX `letter` class.

ifmslide (V.0.45) Produce printed slides and online presentations from only one source, add buttons for navigation and visual effects.

ifpdf.sty in `.../supported/oberdiek`
Allows detection of pdfTeX in `pdf` mode. Works with plain or LaTeX formats.

invoice.sty in `.../supported/invoice`
A tailor-made, yet expandable solution for invoicing in local and foreign currencies, including multiple assignments for a single client.

l2kurz in `info/lshort/german`
Slightly updated release of the German LaTeX 2ε-Kurzbeschreibung.

latex2man in `support`
V. 1.14. A tool to translate UNIX manual pages written with LaTeX into a format understood by the UNIX man(1)-command (or into TeXinfo or HTML).

lstpatch.sty in `.../supported/listings`
Patch to the listings package (v.0.2 1h) to fix "warning: destination with the same identifier" error with pdfTeX 3.14159-14f.

makor in `language/hebrew`
Fonts and macros to typeset Hebrew in a natural manner with a software switch to turn vowels off or on, and examples.

METAOBJ in `graphics/metapost/contrib/macros`
A large METAPOST package providing high-level objects. It implements many of PSTricks' features for node connections, but also trees, matrices, and many other things and is easily extensible.

mf2pt1 in `support`
Produces PostScript Type 1 fonts from METAFONT source in conjunction with the `t1asm` program from the `t1utils` suite.

MiniPlot Typesets `eps` figures using an easy-to-use interface with options for multiple figures and subfigures — wrapped figures are also supported as are informational frameboxes.

SchemeWEB2 in `web/schemeweb2`
Literate programming for Lisp and Scheme. Improved version of SchemeWEB, by John D. Ramsdell.

teubner Package for philological typesetting, especially, but not only, Greek.

ushort Updated version of this class for configurable underlining (shorter or longer, multiples) is up to four times faster.

VTeX/Free in `systems/vtex`
Release 7.33 of MicroPress' TeX for OS/2 and Linux-x86. Supports PDF security options and `xpdf` source specials.

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