



Packages posted to CTAN

“What’s in a name?” I did not realize that Jan Tschichold’s typographic standards lived on in the `koma-script` package often mentioned on usenet (in `comp.text.tex`) until I happened upon the listing for it in a previous edition of “The Treasure Chest”. This column is an attempt to give T_EX users an ongoing glimpse of the trove which is CTAN.

This is a chronological list of packages posted to CTAN between June and December 2000 with descriptive text pulled from the announcement 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.

Corrections and suggestions are welcome.

June 2000

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

amsclass: in

`macros/latex/required/amslatex/classes`
AMS- \LaTeX document classes and theorem package. Bug-fix updates.

arrayjob: in `macros/generic/arrayjob`

The `arrayjob` package provides array data structures in \LaTeX , like those in Fortran, Ada or C, and macros to manipulate them.

catdvi: in `dviware`

DVI to plain text translator aiming to replace `dvi2tty`.

dvichk: in `dviware`

(V.1.91) Checks `.dvi/.log` files and displays the page numbers found on standard output.

epsfview: in `systems/mac`

AppleScript tool (for Mac) mainly intended for viewing figures generated with METAPOST, even if they have negative coordinates.

geometry (V.2.3) An easy and flexible user interface to customize page layout. Update adds `columnsep` and `footnotesep` options, `vtex` option is added to support V \TeX , sophisticated magnification setting.

ifmslide A package (v.0.3) from the Institute of Mechanics (ifm) Univ. of Technology, Darmstadt, Germany, for producing slides with $\LaTeX 2\epsilon$. Based on

the concept of `pdfslide`, but completely rewritten for compatibility with `texpower` and `seminar`.

ifsym: in `fonts`

Fonts with symbols for alpinistic, electronic, meteorological, geometric, etc., usage. A $\LaTeX 2\epsilon$ package simplifies usage.

jas99_m.bst: in `biblio/bibtex/contrib`

Update of `jas99.bst`, modified for better conformity to the *American Meteorological Society*.

LaTeX WIDE: in `nonfree/systems/win32/LaTeX_WIDE`

A demonstration version of an integrated editor and shell for T_EX—free for noncommercial use, but without registration, customization is disabled.

lhelp: $\LaTeX 2\epsilon$ macro package of simple, “little helpers” converted into `dtx` format. Includes common units with preceding thinspaces, framed boxes, start new odd or even pages, draft markers, notes, conditional includes (including EPS files), and versions of `enumerate` and `itemize` which allow spacing to be changed.

makecmds Provides commands to make commands, environments, counters and lengths. Moved from `.../misc` to `supported`.

mathpazo: in `fonts`

Package (fonts and \LaTeX style file) for mathematical typesetting with the Palatino fonts.

secdot: in `.../other/misc`

Section numbers with trailing dots.

substr Provides commands to deal with substrings in strings: Determine if a string contains a substring, count appearances of a substring in a string.

texdoctk: in `systems/unix/teTeX/1.0/contrib`

(V.0.4.0) A Perl/Tk-based GUI for easy access to package documentation; the databases it uses are based on the `texmf/doc` subtrees of `teTeX v.1.0.x`, but database files for local configurations with modified/extended directories can be derived from them. Update adds: view multiple documents simultaneously, UI improvements, internal text viewer, uses `kpsewhich`, bug fixes, manpage.

TeXnicCenter: in `systems/win32`

An integrated development environment (IDE) for developing \LaTeX documents in Windows (95, 98, 2000, NT 4.0). Project oriented, unlimited “output types”, customizable editor, structure View, etc.

titling Provides control over the typesetting of the `\maketitle` command, and makes information from it permanently available.

tugboat/t-of-c: in `digests`

`tb1594.cnt`, `tb1695.cnt`, `tb1998.cnt`, `tb2099.cnt` and `tbcv20.tex`.

varindex.sty: in `.../misc`

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 probably most other T_EX formats, too.

WinShell: in `systems/win32/`

Bug fix to 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 Mik \TeX or \TeX Live installed.

July 2000**amsmath:** in `macros/latex/required/amslatex/math`

(V.2.13) Bug fix for an equation numbering problem with the `hyperref` package.

arydshln New version (1.4). Extension of the `array` package which allows dashed lines/rules in tables, and control over the spacing of vertical rules.

bbl2html: in `biblio/bibtex/utis`

Converts a \LaTeX `.bbl` file to (mostly) formatted HTML code. Probably also works if applied directly to a `.tex` file.

bytefield The `bytefield` package helps the user create illustrations for network protocol specifications and anything else that utilizes fields of data. These illustrations show how the bits and bytes are laid out in a packet or in memory.

chngepage: in `biblio/bibtex/utis`

(V.1.1) Provides commands to change the page layout in the middle of a document. Now uses empty arguments instead of zero lengths, new `adjustwidth` environment for extra wide (or narrow) paragraphs or over-width floats

combine (V.0.41) 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. Now cooperates with the `abstract` and `titling` packages.

CWEBbin: in `web/c_cpp`

(V.3.61) 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. Now fully supports "HyperCWEB".

Fontmap.cmr: in `fonts/cm/ps-type1/contrib`

Makes Computer Modern available to `ghostscript`.

french: in `languages`

Light version has a maximum of automatic features: translation, layout, microtypography, etc., but no specific commands are available.

Hexdump.sty: in `macros/generic`

Reads an ASCII hexdump file and puts it formatted into the document. Additional macros included, e.g., for a Directory of Dumps.

html2text: in `support`

HTML-to-text converter for UNIX, which, unlike `lynx-dump`, handles tables.

koma-script

Reimplementation of the \LaTeX classes (`article`, `report`, `book`, `letter`), "implementing European

rules of typography and paper formats as documented in Tschichold (*Selected Papers on Book Design and Typography*)."

newvbtm Allows one to define one's own `verbatim`-like environment with variants.

notoccite.sty: in `.../other/misc`

Prevents erroneous numbering of the cites in the `toc` or `lof` or `lot` when using `bibtex/unsrt`.

ntabbing: in `.../other`

An extension of the `tabbing` environment that supports automatic line numbering with referencing.

patchcmd Provides a command `\patchcommand` that adds materials at the beginning and/or end of the replacement text of an existing macro.

Portuguese-Portugal: in `systems/win32/winedt/dict`
WinEdt dictionary—Portuguese (Portugal version).**poster-os2:** in `support`

A program to generate large-size and multi-sheet posters from PostScript files. Also works in DOS.

pstoedit: in `support`

(V.3.20) Converts PostScript and PDF files to other vector graphic formats so that they can be edited graphically.

scientificviewer: in `nonfree/systems/win32`

Scientific Viewer 3.5 is a free program for reading and printing (read-only) documents created with Scientific Notebook, Scientific Word or Scientific WorkPlace by MacKichan Software, Inc. Scientific Viewer can also be used to view many native \LaTeX documents.

semantic (V.2.0 alpha) Adds customizable math mode ligatures; support for typesetting reserved words in a consistent way and the drawing of inference rules has been substantially improved, allowing deeper nesting.

stdclsdv (V.1.1) allows package writers to learn what sectioning divisions are provided by the document's class.

Swiss-German: in `systems/win32/winedt/dict`

WinEdt dictionary—Swiss-German.

ticket Provides an easy interface to produce visiting cards, labels for your files, stickers, pins and other stuff for your office, conferences, etc.

umoline Allows underlines while allowing line breaking.

wotree.sty: in `graphics/dratex`

Supports drawing of Warnier/Orr diagrams. Documentation is at <http://www.cis.ohio-state.edu/~gurari/wo-diag/wo-diagrams.html>.

yafoot Contains three style files: `pfnote.sty` to enclose footnote numbers within a page;

`fnpos.sty` to control the position of footnotes;

`dblfnote` to make footnotes double-columned.

August 2000**accents:** in `.../bezos`(V.1.2) Quick fix in `accents` to work with `amsmath`.**accfonts:** in `fonts/utilities`V.0.212 of the program `vp12vp1` (bug fix), updated `CHANGES` file.**amslatex-primer:** in `info`An updated version of “Getting up and running with $\mathcal{A}\mathcal{M}\mathcal{S}$ - $\mathcal{L}\mathcal{A}\mathcal{T}\mathcal{E}\mathcal{X}$ ”. An attempt to give enough information for a newcomer to $\mathcal{L}\mathcal{A}\mathcal{T}\mathcal{E}\mathcal{X}$ (but with some plain $\mathcal{T}\mathcal{E}\mathcal{X}$ or $\mathcal{A}\mathcal{M}\mathcal{S}$ - $\mathcal{T}\mathcal{E}\mathcal{X}$ experience) to quickly be able to make use of $\mathcal{A}\mathcal{M}\mathcal{S}$ - $\mathcal{L}\mathcal{A}\mathcal{T}\mathcal{E}\mathcal{X}$. Updated to current version ($\mathcal{L}\mathcal{A}\mathcal{T}\mathcal{E}\mathcal{X}$ 2 ϵ).**BioCon** Typesets some biological entities. Initial version (0.01) which only typesets species.**circuit_macros:** in `graphics`(V.4.9) 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.**cuisine** Package for typesetting recipes in steps in which each ingredient is on the left of the page next to the method step in which it is used.**curves** Draws curves in the standard $\mathcal{L}\mathcal{A}\mathcal{T}\mathcal{E}\mathcal{X}$ picture environment using parabolas between data points with continuous slope at joins. V.1.42 (bug fix) can still be used with $\mathcal{L}\mathcal{A}\mathcal{T}\mathcal{E}\mathcal{X}$ 2.09. V.1.50 can only be used with standard $\mathcal{L}\mathcal{A}\mathcal{T}\mathcal{E}\mathcal{X}$. It has improved documentation, greater drawing accuracy and is more efficient. Four package options for `dvi` specials improve drawing performance and some specials work with color.**directory:** in `biblio/bibtex/contrib`(V.1.15) Adds cellular phone fields, flexible definition of headers to generate nicer address booklets, use of `hyperrref` to produce directories with hyperlinks.**dvi2bitmap:** in `nonfree/dviware`A utility to convert $\mathcal{T}\mathcal{E}\mathcal{X}$ `dvi` files directly to bitmaps.**dvipsconfig:** in `dviware`(V.1.5) A set of PostScript header files for `dvips` to control various printer functions such as paper size, duplex, and paper source (e.g., manual feeder, envelope feeder, and trays 1, 2, and 3). Adds paper size `usledger` and `addpctrl`, which inserts these controls into existing files.**expressg:** in `graphics/metapost/contrib/macros`

(V.1.4) Provides facilities to assist in drawing diagrams that consist of boxes, lines and annotations. Although particular support is provided for creating EXPRESS-G diagrams, examples are provided for IDEF0, IDEF1X, Shlaer-Mellor, E-R, OMT, NIAM, and other diagrams. Update adds outlines for generating piecewise linear paths with either sharp or rounded corners, diagram showing labeling convention for a drum and general tidying up of the code.

germbib: in `biblio/bibtex/contrib`Now supports the language packages `ngerman.sty` and `babel.sty`.**isodate** Tunes the output format of the `\today` command providing `\isodate`, `\numdate`, `\shortdate`, `\TeXdate` and `\origdate` and two additional commands to print a date argument using the actual date format for output. Compatible with `bibgerm` style file.**jkthesis** Updated class for formatting a thesis (bug fix and now has ASCII-encoding). Documentation in German only.**LaTeX 2000/06/01** The last (nominal) 6-monthly release of $\mathcal{L}\mathcal{A}\mathcal{T}\mathcal{E}\mathcal{X}$ 2 ϵ . Further updates will be on an annual basis.**latex2man:** in `support`(V.1.11) Bug-fix update. A tool to translate UNIX manual pages written with $\mathcal{L}\mathcal{A}\mathcal{T}\mathcal{E}\mathcal{X}$ into a format understood by the UNIX `man(1)` command.**listbib** Lists the contents of `.bib` files in a printable format. V.2.2, enhancements to the `listbib` shell script, example `listbib.cfg`, support for entry fields URL and ‘totalpages’ (`custom-bib` uses them).**MiKTeX:** in `systems/win32/miktex/2.0-beta`V.2.0 beta 4 update. MiK $\mathcal{T}\mathcal{E}\mathcal{X}$ is a free $\mathcal{T}\mathcal{E}\mathcal{X}$ distribution for Windows.**oands:** in `fonts/archaic`

METAFONT version of some odd characters that are used as symbols when transliterating ancient scripts (like Hieroglyphs).

springer: in `obsolete/macros/plain/contrib`Springer-Verlag Heidelberg/Berlin officially pulled the macros in `macros/plain/contrib/springer`, hence the move to `obsolete`. Up-to-date $\mathcal{L}\mathcal{A}\mathcal{T}\mathcal{E}\mathcal{X}$ files are at: `macros/latex/contrib/supported/springer`.**tcltexed:** in `support`An editor written in the scripting language Tcl/Tk for writing $\mathcal{L}\mathcal{A}\mathcal{T}\mathcal{E}\mathcal{X}$ documents.**textcompst:** in `info/textcomp-list`A list of all symbols available using the package `textcomp.sty`.**textmerg:** in `.../other`Minor problem fixed and placed in public domain. Word-processor-style merges for $\mathcal{T}\mathcal{E}\mathcal{X}$ and $\mathcal{L}\mathcal{A}\mathcal{T}\mathcal{E}\mathcal{X}$.**truncate.sty:** in `.../other/misc`

Allows truncation of horizontal (lr mode) text to a specified width. New version allows truncation at arbitrary characters, without loading any special hyphenation patterns.

tth-2.7-3.i386.rpm: in `support`Version update to 2.7-3. $\mathcal{T}\mathcal{E}\mathcal{X}$ (or $\mathcal{L}\mathcal{A}\mathcal{T}\mathcal{E}\mathcal{X}$) to HTML converter. Includes equations using native fonts in tables.**TVS:** in `support/TVS` $\mathcal{T}\mathcal{E}\mathcal{X}$ Versioning System — Perl script collects complete source codes of $\mathcal{T}\mathcal{E}\mathcal{X}$ documents in order to be

able to re-typeset them exactly the same way. New version 1.0 contains better support for packing format file sources and improved documentation (in \TeX info format).

undertilde Provides an `\utilde` command that puts a tilde under math material.

vertbars An extension to the `lineno` package to put vertical rules at left (right) of lines instead of numbers. Only complete paragraphs can be barred.

September 2000

adobe.zip: in `.../psnfssx`

Replaces files (`alucida.dtx/ins` & `adobe.dtx/ins`) which were “lost” during restructuring the PSNFSS distribution.

ams2bib: in `biblio/bibtex/utis`

A Perl script that translates $\mathcal{A}\mathcal{M}\mathcal{S}$ - \TeX references into $\text{BIB}\TeX$.

archaic: in `fonts`

Samples of archaic fonts.

blindtext: in `.../minutes`

Creation of text to get an impression of the look of classes.

bsamples: in `fonts/archaic`

Sampler showing all 5 of the bookhands fonts.

CBGreek: in `systems/win32/bakoma/contrib`

CBGreek fonts (Small Caps) in Type 1 font format.

dvipscol: in `.../oberdiek`

Fix color stack overflows by `dvips` (ϵ - \TeX recommended).

elsart.cls: in `.../elsevier`

Elsevier class for `compuscript` (as opposed to manuscript) submission of publications. License clarification (now LPPL).

engord: in `.../oberdiek`

Converts numbers to English ordinal numbers.

fac \LaTeX 2 ϵ class file and guide for the Springer Verlag journal *Formal Aspects of Computing*.

fltpoint V.1.0c is an update needed for the new version of the `rccol` package with minor changes to the documentation. Provides basic floating point calculations inside \TeX .

fncylab.sty: in `.../misc`

Package allows customizing the appearance of labels (without modifying internal commands), and provides a `\labelformat` command for changing the format of references to labels.

hieroglf: in `fonts/archaic`

METAFONT rendition of some 60 plus Egyptian Hieroglyphs (used between 3000 BC and 100 AD), and accompanying files to use them in \LaTeX . (5 new glyphs.)

hycap: in `.../oberdiek`

Fix for using `hyperref` with figures, table environments and the star forms.

inslrmaj: in `fonts/archaic`

METAFONT rendition of the Insular Majuscule bookhand in use in Ireland (and England) between the sixth and ninth centuries, and the necessary files for use with \LaTeX .

jtbnew.bst: in `biblio/bibtex/contrib`

Bibliography stylefile for the *Journal of Theoretical Biology*'s new style.

latex2rtf-1.8aa-os2.zip: in `support`

OS/2 port of `latex2rtf` converter. Needs `emxrt.zip`, version 0.9d or higher.

lh: in `fonts/cyrillic`

Bug-fix update (v.3.4b). Cyrillic fonts including characters for languages often not supported such as Kazakh.

listings \LaTeX source code printer. Language update.

listliketab Makes list-like tabulars so that the user can add additional columns to each entry.

lshort: in `info/lshort/italian`

The Italian version of `lshort` (*The Not So Short Introduction to \LaTeX 2 ϵ*), version 3.15.

lshortth: in `info/lshort`

Thai translation of `lshort` (*The Not So Short Introduction to \LaTeX 2 ϵ*).

MetaPost40S2: in `graphics/metapost`

Replaced with a symbolic link to the MS-DOS version.

mfpic: in `graphics`

(V.0.4 beta) A $\text{pdf}\TeX$ package for drawing pictures using METAFONT or METAPOST commands.

MHequ: in `.../other`

A package to easily create multicolumn equation environments, and to tag the equations therein. New version fixes compatibility problems with the packages `showkeys` and `hyperref`.

minutes A package (v.1.4b) for setting minutes and building collections of minutes.

model-harv.pdf: in `.../elsevier`

Instructions for use and template files for Elsevier authors.

model-num.pdf: in `.../elsevier`

Instructions for use and template files for Elsevier authors.

mv4vtex.zip: in `fonts/psfonts/marvosym/vtex`

Instructions for installing the Marvosym font for use with $\text{V}\TeX$ /Free and a font map file.

nomencl Help formatting a nomenclature using Make-Index. V.3.1 adds support for Croatian, more examples and the `ins` file creates some sample configuration files.

numprint Prints numbers with separators and exponent if necessary. New version includes an option for units.

oldprsn: in `fonts/archaic`

METAFONT and \LaTeX files for typesetting with the Old Persian cuneiform font, in use between 500 and 350 BC.

othello Creates othello boards using L^AT_EX.

pdfcolmk: in `.../oberdiek`
Fixes color problems with pdfT_EX at page breaks.

pdftex.def: in `macros/pdftex/graphics`
(V.0.3e) Adds viewport and trim with clip support.

protosem: in `fonts/archaic`
METAFONT rendition of a Proto-Semitic script used about 1600 BC in the Middle East, and the necessary files for use in L^AT_EX.

rccol (V.1.1) Supports different decimal signs in input and output. Provides ‘right-centered’, optionally rounded numbers in tabulars.

refcheck (V.1.8) Fix of bug when `\ref`, `\pageref` occurred in a material processed to `\write`. Also improved compability with $\mathcal{A}\mathcal{M}\mathcal{S}$ -L^AT_EX and HyperRef.

refcount: in `.../oberdiek`
Extracts the numbers from references.

settobox: in `.../oberdiek`
Defines commands similar to L^AT_EX’s `\settowidth` commands for boxes.

template-harv.tex: in `.../elsevier`
Instructions for use and template files for Elsevier authors.

template-num.tex: in `.../elsevier`
Instructions for use and template files for Elsevier authors.

tfmptest.pl: in `fonts/utilities`
Checksum of pk fonts. Can delete bad pk font with checksum mismatch and recreate it.

thumbpdf: in `support`
The package provides support for thumbnails with pdfT_EX, and plain/L^AT_EX formats. Requirements: Perl5, ghostscript, pdfT_EX. V.2.5 reduces filesize by only loading fonts once.

ugarite: in `fonts/archaic`
METAFONT and L^AT_EX files for typesetting with the Ugaritic Cuneiform script (dating from about 1300 BC).

vpe: in `.../oberdiek`
Enables source specials for pdf files (clicking on special annotations will launch an editor with the source file at the source line) in V_TE_X/Linux, pdfT_EX, and with dvips.

wordcount Provides a relatively easy and accurate way of counting the number of characters and words in a L^AT_EX document.

October 2000

Augie: in `fonts`
A Type 1 handwriting font, based on American style casual handwriting. The font itself is freeware by emerald city fontwerks www.speakeasy.org/~ecf. The package adds metrics, `.vf`, `.fd` and `map` files.

BibGene: in `biblio/bibtex/utills/bibgene`
Macintosh bibliographic database program; freeware application for maintaining databases of references. **BibGene** 1.2.2 is PowerPC-only. For versions for M68K Macs, see <http://www.ics.uci.edu/~eppstein/bibs/bibgene/>.

ConcProg Sets music concert programmes, with support for part divisions, etc.

coordsys Provides commands for typesetting number lines (coordinate axes) and coordinate systems in the picture environment.

CWEB3.6.2forMacOS: in `web/systems/mac/cweb`
Improved port of CWEB (no fake `/dev/null` files any more) for MacOS v.3.6.2.

ecta.bst: in `biblio/bibtex/contrib/economic`
Econometrica bibliography style—now follows exactly the official recommendations. Also compatible with `natbib`.

emTeXTDS: in `systems/os2/emtex-contrib`
Version 0.54 of the emT_EX/TDS distribution for OS/2, featuring the latest releases of L^AT_EX, $\mathcal{A}\mathcal{M}\mathcal{S}$ -L^AT_EX and other packages, as well as several bug fixes.

fancyhdr Update of the `fancyhdr` package: added LPPL license, some small enhancements (error messages), some bug fixes in `extramarks.sty`, obsolete file removed and documentation updated

hpsdiss Class file (documented in `.dtx`) developed by Hanspeter Schmid to typeset his dissertation. `.pdf` sample provided.

hyperref: (V.6.71) Bug fixes and enhancements of this package for creating/enabling hyperlinks in documents.

isi2bibtex: in `biblio/bibtex/utills`
(V.0.40) **Isi2bibtex** converts an Institute for Scientific Information (ISI, known in the UK as ‘BIDS’ or ‘MIMAS WoS’) bibliographic database file to a B_IB_TE_X file for use with T_EX and L^AT_EX

jurabib Various forms of short and long citations—now more flexible and no longer just for German law students. Changes in 0.5d: English documentation, option to place the `howcited` remark for all entries `french.sty`-compatibility, `keyval`-interface more intuitive, minimal example document for the humanities, etc.

KTeXShell: in `systems/unix`
A graphical user interface to T_EX, L^AT_EX, 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.

logsys Extends the `coordsys` package by providing logarithmic, semi- and double-logarithmic coordinate systems and grids.

mathetx/mathmtx: in `fonts/utilities/fontinst-prerelease/inputs`

A partial collection of metric and encoding files for `fontinst` v.1.915.

- `macos-fonts.zip`: in `systems/mac/fonts/oztex`
Collection of freely available PS fonts in MacOS format. Includes: Belleek, CharterBT, LOGO, MANUAL, MathPazo, RSFS and Utopia. Can be adapted for use with other T_EX systems in the MacOS.
- `NRC` Macros for typesetting papers for submission to journals published by the National Research Council of Canada.
- `rfc2bib.awk`: in `biblio/bibtex/utills`
gAWK script to automatically generate B_IT_EX entries from IETF RFCs.
- `skak`: in `fonts`
Package for typesetting chess. Bug fix (regarding knight and queen movement).
- `TeXshade` Package (1.4a update) for setting nucleotide and protein alignments in L^AT_EX. Features new possibilities for positioning the legend and some changes in the documentation and the FAQ-list.
- `titleref.sty`: in `.../other`
Version 3.0. Provides a `\titleref` command to cross-reference section (and chapter, etc.) titles and captions like `\ref` and `\pageref`. Now licensed as PD.
- `verbdef.sty`: in `.../other`
Define robust commands which expand to verbatim text — can be used in arguments for other commands/macros.

November 2000

- `arabtex-oztex.sit`: in `systems/mac/fonts/oztex`
A MacOS adaption of Taco Hoekwater's PostScript Type 1 version of Dr. Prf. Klaus Lagally's Nastaliq arab fonts, with additional support for OzT_EX.
- `bibtopic` A package for sectioned/multiple bibliographies. Update to version, 1.0j, fixes a problem with `babel.sty`'s redefinition of `\ifthenelse`. V.1.0e adds compatibility with `hyperref` and another update added compatibility for `natbib` v.7.0.
- `dinat`: in `biblio/bibtex/contrib/german`
Enhancement of the old `dinat`-style for proceedings, inbook and misc. Improves handling of names to avoid problems with the "von" part.
- `filippou`: in
`language/greek/package-babel/hyphenation`
Update of the hyphenation patterns for ancient and modern Greek in polytonic (multi-accent) and monotonic (uni-accent) systems. Works with the `greek` option of `babel` or Dryllerakis' `GreeKTeX`.
- `jcc.bst`: in `biblio/bibtex/contrib/chem-journal`
B_IT_EX style file for *Journal of Computational Chemistry*.
- `jpc.bst`: in `biblio/bibtex/contrib/chem-journal`
B_IT_EX style file for *Journal of Physical Chemistry*.
- `keystroke` Provides macros for the graphical representation of the keys on a computer keyboard.

- `LatexHelpBook`: in `info`
HTML-based help for L^AT_EX for Windows 98, 95, NT 4, and 5.
- `mpic21.zip`: in `graphics/pictex/mathspic`
`mathsPIC` (DOS vers 2.1), a DOS filter program for use with P_IC_TE_X.
- `ppcp.bst`: in `biblio/bibtex/contrib/chem-journal`
B_IT_EX style file for the journal *Physical Chemistry Chemical Physics*.
- `Prosper` A L^AT_EX class on top of the `seminar` class. Permits easily writing slides for both printing and display with a video projector, including animation effects such as incremental display. Several slide styles are available and new ones are easily added.
- `revcompchem`: in
`biblio/bibtex/contrib/chem-journal`
B_IT_EX style file for *Reviews in Computational Chemistry*.
- `rtf2latex2e`: in `support`
Beta release. `rtf2latex2e` 1.0 beta 3 converts RTF files into L^AT_EX 2_ε. Detects text style (bold, italic, color, big, small, etc.), reads tables (simple to semi-complex), converts embedded MathType equations, converts most Greek and math symbols, reads footnotes (not in tables), support for use of the `fontenc` package, translates hyperlinks using the `hyperref` package.
- `TransFig`: in `graphics`
`TransFig` is a set of tools for creating T_EX documents with graphics which are portable, in the sense that they can be printed in a wide variety of environments.
- `ucs.sty` This package implements a facility for mapping Unicode characters to L^AT_EX macros and to use UTF-8 as an input encoding with standard L^AT_EX 2_ε.
- `xfig`: in `graphics`
`Xfig` is a menu-driven tool that allows the user to draw and manipulate objects interactively in an X window. The resulting pictures can be saved, printed on PostScript printers or converted to a variety of other formats.
- `xipa-oztex.sit`: in `systems/mac/fonts/oztex`
A Stuffit 5 archive containing MacOS versions of the PostScript Type 1 XIPA fonts created by Taco Hoekwater. These fonts provide IPA93 characters plus extensions to be used with Times Roman and Helvetica for use with Fukui Rei's `tipa` package.
- `XyMTeX` Update. Package including L^AT_EX document-style options for typesetting chemical structural formulas.
- `ziffer` Formats numbers with the correct German spacing (even in math mode).

December 2000

- `bakoma`: in `systems/win32`
BaKoMa T_EX system upgrade to v.3.10.

bakoma/index.html: in `systems/win32/bakoma`

Updated version of this file with new information about the BaKoMa T_EX mailing list which is intended for news, questions, answers, and user discussions about BaKoMa T_EX Software.

BibTexMng: in `biblio/bibtex/utills`

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 L^AT_EX, using BIB_TE_X.

bophook (V.0.01) Hook for adding material at the beginning of each page.

bpchem: in `.../other`

This package provides commands and environments, which are useful for typesetting chemical formulæ as well as breakpoints in multiline chemical names and a set of commands to enumerate/reference chemical substances.

bundledoc: in `support`

Post-processor for the `snapshot` package that bundles together the classes, packages, and files needed to build a given L^AT_EX document into a `.tar.gz` file, suitable for moving across systems, transmitting to a colleague, etc.

docmfp Update to v 1.1 of the `docmfp` package. This extends the `doc` package to document non-L^AT_EX code, such as METAFONT and METAPOST, or even C code. Adds a generalized `\Describe` macro and a `Code` environment.

dvi2tty-german_umlauts.patch: in

`nonfree/dviware/dvi2tty`

With this patch, `dvi2tty` replaces some special characters (a-,o-,u-umlauts, sz-ligature, a-ring) by their Latin-1 representation.

eso-ex3.tex: in `.../ms/contrib`

Example for the L^AT_EX package `eso-pic` showing how to include pages from an external (PDF) document.

fancyhdr: in `/info/german`

A short german introduction to `fancyhdr` with examples.

faq: in `usergrps/uktug`

V.2.5 of the FAQ by the UK T_EX Users Group, also available from <http://www.tex.ac.uk/faq>.

FiNK The L^AT_EX 2_ε File Name Keeper, first public release. This package keeps track of files `\input`'ed (the L^AT_EX way) or `\include`'ed in your document. Also comes with support for AUC-TeX.

Fixme A L^AT_EX 2_ε package for inserting "fixme" notes in draft documents. V.1.1, the first public release — provides a way to insert "fixme" notes in draft documents, either in the margin of the document, as index entries, in the log file and/or as warnings on stdout or to summarize them in a list. Also comes with support for AUC-TeX.

itamsldoc: in `info/italian`

Italian translation of the `amsmath` documentation.

latex.zip: in `systems/win32/miktex/1.20`

L^AT_EX 2_ε update (2000/6/1) for the MiK_TE_X 1.20e distribution.

LigaTeX: in `support`

Version 0.2.0 of `LigaTeX` (a package which removes certain ligatures from text). Now switched on and off by the `babel`-package macros.

LGrind: in `nonfree/support/lgrind`

V. 3.65. Last update by Michael Piefel (due to non-free license issues) for the pretty printer `LGrind` which can produce nice L^AT_EX from source code. Moved from `support/lgrind` (but a symbolic link to that location has been added).

lineno.sty Update for compatibility with `longtable`.

ltx3info.pdf: in `.../ms/contrib`

Article describing the motivation, achievements and future of the L^AT_EX3 Project.

MacDevnag: in `language/devanagari/contrib`

Macintosh port of the `devnag` program — a preprocessor which is part of the Devanagari package (in `language/devanagari/distrib`).

minitoc Update to version 34. This package adds mini tables of contents by chapters, parts or sections (and `minilofs`, `minilots`). Updated documentation (a section for use with `tocbibend` and a French translation (`fminitoc.ps`) and additional `.mld` files for alternate names of languages.

mtgreek A `mathtime.sty` supplement, uppercase Greek letters displayed as either roman or italic glyphs.

pxfonts: in `fonts`

Final update to v.3.1 of the PX fonts (based on Palatino). Only obvious bugs, if they are found, will be fixed through patches, no modification to or adding of letters/symbols in the near future.

references: in `support`

Updated to v.3.6. `references` is bibliographic software for authors of scientific manuscripts and for management of bibliographic data. Supports L^AT_EX including BIB_TE_X. Able to import bibliographic records in the MEDLINE format.

rtkinenc Similar to the standard package `inputenc`, but allows the user to specify a fallback procedure to use when the text command corresponding to some input character isn't available.

scriptfonts: in `info/symbols/math`

A summary of readily-available script fonts for use in mathematical typesetting.

setspace.sty The `setspace` package, version 6.7, has three new options, to set default spacing (`single-spacing`, `onehalfspacing`, `doublespacing`) when the package is loaded.

tcldoc Defines a couple of environments and commands for documenting Tcl (Tool Command Language) source code in `.dtx`-style documented source files.

TeXmacs: in `systems/unix`

Update to v.0.3.0-7 of GNU TeXmacs, a text editor inspired by the popular T_EX typesetting system and the emacs editor. Runs on PCs under Linux and on SUN computers: “It is reasonable to expect that it will run on most UNIX/X-Windows systems in the near future.”

trsym: in `fonts`

Horizontal and vertical symbols used for transformations (e.g. Laplace transformation) including inverse transformation.

txfonts: in `fonts`

Final update to v.3.1 of the TX fonts (a complete set of fonts with math support based on Times and Helvetica). Only obvious bugs, if they are found, will be fixed through patches, no modification to adding of letters/symbols in the near future.

u8tex.el: in `support/emacs-modes`

Quail package to input T_EX characters (and some more) using familiar notation. Changes in v.1.2: Documentation, adoption of some HTML abbreviations, more `amssymb` characters and bug fixes.

varindex Bug fix update.**WinEdt:** in `nonfree/systems/win32`

Official release of WinEdt 5.2 (shareware). Complete information at <http://www.winedt.com>.

xdoc2: in `macros/latex/expt1/xdoc`

Second prototype for the hypothetical `xdoc` package. Reimplements some of the features found in the standard L^AT_EX `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.

zefonts: in `fonts`

New version of `zefonts` with two new `fd` files and a comparison between `aefonts` and `zefonts`.

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