The Treasure Chest

This is a list of packages posted to CTAN from July 2002 through December 2003, with descriptive text pulled from the announcement or researched and edited for brevity. Please inform us of any errors.

With this installment, we have switched to listing entries alphabetically within CTAN directories, rather than by date. This seemed more useful to us, since it groups related entries together. Comments are welcome, as always.

Hopefully this column and those which follow will help to make CTAN a more accessible resource to the TEX community.

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biblio

apacite in `biblio/bibtex/contrib`
Attempts to implement the citation rules of the American Psychological Association.

babelbib in `biblio/bibtex/contrib`
Generates multilingual bibliographies in cooperation with `babel`.

bib-fr in `biblio/bibtex/contrib`
French translation of classical BIBTEX styles.

bibtool in `biblio/bibtex/utils`
Manipulation of BIBTEX files including: sorting and merging, pretty-printing, syntax checks with error recovery, semantic checks, generation of uniform reference keys, controlled rewriting with regular expressions, collection of statistics, and more. Includes documentation. C source only (no binary).

cj.bst in `biblio/bibtex/contrib`
A BIBTEX file for *The Computer Journal* published by the British Computer Society.

development in `biblio/bibtex/contrib`
BIBTEX style for the journal *Development* (`http://dev.biologists.org/`).

directory in `biblio/bibtex/contrib`
Facilitates the construction, the maintenance and the exploitation of an address book database. Version 1.18 introduces two new BIBTEX styles that permit export of address books in vCard and LDIF formats (accepted by Apple's Address Book, Microsoft Outlook, Mozilla, etc.) without requiring any external programs.

germbib in `biblio/bibtex/contrib`
Macros for German BIBTEXing.

gost in `biblio/bibtex/contrib`
BIBTEX styles to format a bibliography in English, Russian, and Ukrainian according to GOST 7.1-84 and GOST 7.80-00.

numalg in `biblio/bibtex/contrib`
BIBTEX style for the journal *Numerical Algorithms.*

urlbst in `biblio/bibtex/contrib`
>   Adds support for 'url', 'lastchecked' and 'eprint' fields to BibTEX style files.

xbibfile in `biblio/bibtex/utils`
>   A graphical tool for creating and searching BibTEX databases. Written in C under Linux using the X Window System and GTK graphics libraries.

dviware

BSR2dvi in `dviware`
>   Convert Textures files to standard `.dvi`.

dvi2bitmap in `dviware`
>   Convert `.dvi` directly to bitmaps.

dvipng in `dviware`
>   Convert `.dvi` to `.png` images.

fonts

ae in `fonts`
>   A set of virtual fonts that emulate T1 encoded fonts with CM fonts.

allrunes in `fonts`
>   This collection of fonts claims to give access to almost all runes ever used in Europe.

antiqua in `fonts/urw`
>   URW Antiqua Condensed.

astro in `fonts`
>   ASTROSYM is a font containing astronomical symbols, including those used for the planets, four planetoids, the phases of the moon, the signs of the zodiac, and some additional symbols.

base35 in `fonts/urw`
>   These are URW's PostScript base fonts, which are provided under the GPL and usually distributed in conjunction with Ghostscript. As far as TEX is concerned, pdfTEX, Dvips, and other applications need them as drop-in replacements for Adobe's non-free original base fonts.

bookhands in `fonts`
>   METAFONT fonts and packages covering manuscript scripts from the 1st century until Gutenberg and Caxton. Includes Square Capitals, Insular Minuscule, Carolingian Minuscule, Early Gothic, Gothic Textura Quadrata, Gothic Textura Prescius, Rotunda, Humanist Minuscule, Roman Rustic, Uncial, Half Uncial, Artificial Uncial, and Insular Majuscule. The file `bsamples.ps` shows examples of each of the fonts.

brokent1 in `fonts`
>   Provides virtual fonts for T1-like variants of the broken yfrak, yswab, and ygoth typefaces published in 1990 by Yannis Haralambous. The structure of this package allows for broken typefaces from other sources to be made usable for LATEX.

cb in `fonts/greek`
>   Claudio Beccari's massive Greek font collection.

cm-lgc in `fonts/ps-type1`
>   Type 1 fonts converted from METAFONT sources of the Computer Modern font families.

cmtiup in `fonts/cm`
>   Unslanted punctuation in Computer Modern italic.

corelfonts in `fonts/utilities`
>   Perl script to install all Bitstream fonts on a Corel Ventura CD for use with LATEX.

covfonts in `fonts`
>   Makes Apostrophic Laboratorie's Covington fonts available to TEX and LATEX.

DayRoman in `fonts`
>   A digitally redrawn version of what has come to be historically known as the "Two Line Double Pica Roman."

doublestroke in `fonts`
>   Font for typesetting the mathematical symbols for natural numbers, real numbers, etc.

eulervm in `fonts`
>   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.

euroitc in `fonts`
>   Provides a LATEX interface to the PostScript euro font symbols which are available free of charge from the International Typeface Corporation.

fontinst in `fonts/utilities`
>   A program that helps with installing fonts. Since it is written entirely in TEX macros, it is completely portable.

fourier-GUT in `fonts`
>   Fourier-GUTenberg is a math complement for Adobe Utopia.

frcursive in `fonts`
>   This is the French Cursive font, a cursive handwriting font family in the style of the French academic running-hand, written with METAFONT.

glonti in `fonts/cyrillic`
>   Virtual fonts that combine CM and CMCYR.

grotesq in `fonts/urw`
>   URW Grotesk Bold.

hfbright in `fonts/ps-type1`
>   Contains the cmbright fonts in Type 1 format.

hieroglf in `fonts/archaic`
>   Provides a METAFONT version of about 75 Egyptian hieroglyphs from Serge Rosmorduc's comprehensive `hieroglyph` package. Sufficient glyphs are provided for writing a few names like Cleopatra or Ptolomeny (together with cartouches) and some numbers. There is a command for transliterating into a modern alphabet. The package is not for serious Egyptologists.

hieroglyph in `fonts`
>   HieroTEX is a package for typesetting ancient Egyptian hieroglyphs. It contains a hieroglyphic font, a

number of style files, and a helper program in C called `sesh` which allows one to type hieroglyphic texts using the so-called "manuel de codage", the current standard for encoding ancient Egyptian.

i-ching in `fonts/psfonts`
> The I-Ching-Regular font, in Type 1 format, with macros and graphics for typesetting divinations.

igo in `fonts`
> Fonts and macros to typeset Go diagrams.

initials in `fonts`
> Several fonts for dropped initials.

kerkis in `fonts/greek`
> Kerkis font family, based on URW Bookman, with complete Greek support.

kixfont in `fonts`
> The postal services of a few countries use KIX to encode zip code + home number. This version is compatible with (at least) the Dutch system.

leawood in `fonts/psfonts`
> Provides all the files needed to make the ITC Leawood font available to TeX and LaTeX. The font itself is not freely available, so the package assumes you have already purchased ITC Leawood.

lm in `fonts/ps-type1`
> The massive Latin Modern font collection, in Type 1 format.

lucida in `fonts/metrics/bh`
> Updated font metrics and virtual fonts for Y&Y's commercial Lucida Bright fonts.

LuxiMono in `fonts`
> From the designers of Lucida, a family of general-purpose monospaced (typewriter) fonts. May be freely copied but not modified.

mbboard in `fonts`
> Blackboard bold fonts.

mtype13 in `systems/unix`
> METAPOST libraries, bash, and Perl scripts which help in programming and creation of Type 1 and Type 3 fonts under Linux.

musixps in `fonts/musixtex/ps-type1`
> This package provides PostScript (Type 1) fonts (PFB format), and dvips and dvipdfm map files for MusiXTeX.

psgreek in `fonts/greek`
> LaTeX support for popular Type 1 Greek fonts in the WinGreek encoding.

punk in `fonts/punk/latex`
> Updated style file and test LaTeX file for Knuth's punk fonts.

skak in `fonts`
> For typesetting chess games using the PGN standard.

webomints in `fonts`
> A border and ornament font from Galapagos Design Group.

viking in `fonts/archaic`
> The two 16-letter runic alphabets as used by the Vikings in Scandinavia.

yfonts in `fonts/ps-type1`
> Yannis Haralambous' yfrak, yswab, and ygoth in Type 1 format.

yhmath in `fonts`
> Provides big delimiters and very wide accents (including two new ones: parenthesis and triangle).

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graphics

3DLDF in `graphics`
> Three-dimensional (batch) drawing program with METAPOST output.

bardiag in `graphics`
> Draw bar diagrams using PSTricks.

bbcard in `graphics/metapost/contrib/macros`
> METAPOST examples for a "Bullshit Bingo" playing card, a macro which breaks text into paragraphs, a calendar, and a baseball score card.

circuit_macros in `graphics`
> Macros for drawing high-quality electric circuit diagrams containing fundamental elements, amplifiers, transistors, and basic logic gates to include in TeX, LaTeX, or similar documents. Tools and examples for other types of diagrams are also included.

degrade in `graphics`
> Degrades JPEG images on the fly to decrease the size of the resulting PostScript or PDF file.

epix in `graphics`
> Utility for mathematically accurate, camera quality plots and line figures.

featpost in `graphics/metapost/macros`
> Three-dimensional drawing with METAPOST.

finomaton in `graphics`
> Draw and typeset finite state machines (automata).

gchords in `graphics`
> Typeset guitar chord diagrams, including options for chord names, finger numbers, and typesetting above lyrics.

hatching in `graphics/metapost/macros`
> A set of METAPOST macros for hatching the interior of closed paths.

jPicEdt in `graphics`
> A vector-based graphic editor for LaTeX.

latexmp in `graphics/metapost/contrib/macros`
> Interface for LaTeX-based typesetting in METAPOST.

makecirc in `graphics/metapost/contrib/macros`
> METAPOST library for electrical circuit diagrams.

mfpic in `graphics`
> Macros which generate METAFONT or METAPOST for drawing pictures.

mp3d in `graphics/metapost/macros/3d`
> Three-dimensional drawing with METAPOST.

mpsproof in `graphics/metapost/contrib/misc`
  Produce proofs of METAPOST figures.
pgf in `graphics`
  Updates to the TEX Portable Graphic Format.
pst-3dplot in `graphics/pstricks/contrib`
  Plot 3D math functions.
pst-circ in `graphics/pstricks/contrib`
  Draw electric circuits.
pst-optic in `graphics/pstricks/contrib`
  Draw lenses and mirrors for optical systems.
pst-uml in `graphics/pstricks/contrib`
  Draw UML diagrams.
pst-vue3d in `graphics/pstricks/contrib`
  Draw 3D scenes.
sam2p in `graphics`
  A UNIX command line utility that converts many raster (bitmap) image formats into Adobe PostScript or PDF files and other formats.
shapepatch in `graphics/transfig-shapepatch`
  ShapePatch is a patch against `transfig` that adds a new output driver for the TEX macro `shapepar` by Donald Arsenau. Using this driver one can sketch the shape in XFig and then convert it to `shapepar`.
texcad32 in `graphics`
  TEXCad32 is a clone of the DOS program Texcad running under Windows.
transfig in `graphics`
  A set of tools for creating TEX documents with graphics which are portable, in the sense that they can be printed in a wide variety of environments.
xfig in `graphics`
  A menu-driven tool for drawing and manipulating objects interactively in an X window. The resulting pictures can be saved, printed on PostScript printers or converted to a variety of other formats (e.g., to allow inclusion in LATEX documents).

help

es-tex-faq in `help`
  The CervanTEX FAQ from the Spanish TEX Users Group.
uk-tex-faq in `help`
  Major English-language FAQ, with much information on virtually all TEX-related topics. Current version always available via the Web at `http://www.tex.ac.uk/faq`.

indexing

authorindex in `indexing`
  Create an index of authors cited in a document.

info

beginlatex in `info`
  Formatting Information: A Beginner's Guide to LATEX.

comprehensive in `info/symbols`
  The Comprehensive LATEX Symbols List is an organized list of over 2500 symbols commonly available to LATEX users. Some of these symbols are guaranteed to be available in every TEX distribution. Others require font files that come with some, but not all, TEX distributions. The rest require font files that must be downloaded explicitly from CTAN and installed.
fontinstallationguide.pdf in `info/Type1fonts`
  A guide to installing Type 1 PostScript fonts.
fontsampler in `info`
  Samples of free typefaces available with LATEX.
impatient in `info`
  TEX for the Impatient was originally published in 1990 by Addison-Wesley. It has tutorial and reference information on primitive and plain TEX; it does not discuss LATEX. It is now freely available.
l2tabu in `info`
  Mark Trettin's guide to LATEX, Das LATEX 2_ε-Sündenregister. Originally in German with translations available in English and Italian.
LaTeX2PDF.pdf in `info/german`
  Erstellung von PDF-Dokumenten mit LATEX is a German guide to creating a PDF document with LATEX and hyperref/thumbpdf.
latex4wp in `info`
  A guide for word processor users designed to help convert knowledge and techniques of word processing into the LATEX environment.
lshort in `info`
  "The Not Short Introduction to LATEX 2_ε". Originally in English, with translations in Dutch, Finnish, German, Portuguese, Russian, and Ukrainian.
makingtexwork in `info`
  The O'Reilly book *Making TEX Work*, now freely available.
MiKTeX-WinEdt-TrueType-Anleitung in `info/german`
  German information about MikTEX, WinEdt, and TrueType.
ttf-tetex in `info/TrueType`
  The tutorial "Using TrueType fonts with teTEX and `dvips`" that describes how to use TrueType fonts with teTEX, by converting them to Type 1 PostScript fonts. It does not describe how to use TrueType fonts directly.

language

bgreek in `language/greek`
  Typeset classical Greek.
CJHebrew in `language/hebrew`
  Hebrew typesetting package including fonts.
CJK in `language/chinese`
  (V.4.5.2) LATEX support for Asian scripts: Chinese (both traditional and simplified), Japanese, Korean and Thai, in many encodings (including Unicode).

`graphics/metapost/contrib/misc/mpsproof`

epiolmec in `language`
Typeset Epi-Olmec, a script used in Southern Middle America until about 500 AD.

eshyph in `language/hyphenation`
Spanish hyphenation patterns.

frenchle in `language/french`
Installation changes for Unix and Mac OS X.

hebclass in `language/hebrew`
Hebrew LaTeX classes.

ibycus-babel in `language/greek/package-babel`
Allows usage of the Ibycus 4 font for ancient Greek with Babel.

makor in `language/hebrew`
Makor 2 typesets Hebrew with vowels or liturgical accents, Yiddish, and more.

oinuit in `language/inuktitut`
Typesetting tools for Inuktitut documents..

omega in `language/devanagari`
Typeset Devanagari texts with Omega.

ruhyphen in `language/hyphenation`
Updates to this package for Russian hyphenation.

serto in `language/aramaic`
Fonts, style files, and a preprocessor to typeset Syriac (Aramaic).

srhyphc in `language/hyphenation`
Serbian hyphenation patterns.

velthuis in `language/devanagari`
Velthuis Devanagari for TeX.

macros/context

t-amsl in `macros/context/contrib/maths`
Provides some environments and commands that AMS-LaTeX users expect.

t-nath in `macros/context/contrib/maths`
Provides for ConTeXt the same functionality as the `nath` package for LaTeX.

macros/generic

dcpic in `macros/generic/diagrams`
Macros for drawing commutative diagrams in a TeX (including LaTeX and ConTeXt) document.

longdiv in `macros/generic/misc`
Work out and print integer long division problems.

petri-nets in `macros/generic`
Draws Petri nets and related models.

scripttex in `macros`
Format screenplays and other scripts.

macros/latex

TeXPower in `macros/latex/exptl/texpower`
A bundle of LaTeX packages and classes for making dynamic online presentations.

macros/latex/contrib

acronym in `macros/latex/contrib`
Ensures that all acronyms used in the text are spelled out in full at least once. Also provides an environment to keep a list of used acronyms.

algorithm2e in `macros/latex/contrib`
An environment for writing algorithms.

algorithmicx in `macros/latex/contrib`
Include pseudocode or source code in papers.

alnumsec in `macros/latex/contrib`
Alphanumeric sectioning numbering with standard sectioning commands.

apa in `macros/latex/contrib`
Typeset documents according to the APA manual (5th ed).

appendix in `macros/latex/contrib`
Provides various ways for formatting the titles of appendices.

beamer in `macros/latex/contrib`
Create slides and presentations with a projector.

begriff in `macros/latex/contrib`
Typeset Frege's Begriffsschrift.

betababel in `macros/latex/contrib`
Insert ancient Greek text coded in Beta Code into your document.

bgteubner in `macros/latex/contrib`
Class for books published by Teubner Verlag.

bibcheck in `macros/latex/contrib/misc`
Checks that every entry in a `thebibliography` environment has been cited.

bibtopic in `macros/latex/contrib`
Include several bibliographies covering different 'topics' into a document.

bitfield in `macros/latex/contrib`
Draws bitfield diagrams.

blindtext in `macros/latex/contrib`
Create 'greeking' text for testing documents.

booklet in `macros/latex/contrib`
Provides some aids for printing simple booklets or signatures for longer books.

booktabs in `macros/latex/contrib`
Enhance the quality of tables in LaTeX.

bpchem in `macros/latex/contrib`
Package for chemical typesetting.

bytefield in `macros/latex/contrib`
Create illustrations for network protocol specifications.

caption in `macros/latex/contrib`
Provides an easy-to-use interface to customise the layout of figure and table captions.

carlisle in `macros/latex/contrib`
A collection of packages by David Carlisle, including: `colortbl` (add colour to tables), `fix2col` (keep `\firstmark` and float order in `twocolumn`), `nopageno`

(turn off page numbers), `scalefnt` (scale fonts relative to current size), `tabulary` (different column width allocation algorithm).

ccaption in `macros/latex/contrib`
Provides continuation captions, unnumbered captions and legends.

chngpage in `macros/latex/contrib/misc`
Provides commands to change the page layout in the middle of a document and to robustly check for typesetting on odd or even pages.

cite in `macros/latex/contrib`
Compressed, sorted lists of numerical citations.

clrscode in `macros/latex/contrib`
Typeset pseudocode in the style of *Introduction to Algorithms*.

cmap in `macros/latex/contrib`
Create searchable PDF files.

colorinfo in `macros/latex/contrib`
Retrieve color model and color values for already defined colors.

combine in `macros/latex/contrib`
Bundle individual documents into a single document, e.g., a conference proceedings.

comicsans in `macros/latex/contrib`
Use Microsoft's Comic Sans font with LaTeX.

contour in `macros/latex/contrib`
Generates a colored contour around a given text in order to enable printing text over a background without the need for a color box around the text.

crop in `macros/latex/contrib`
Provides different forms of cropmarks for trimming paper stacks, for camera alignment and for visualizing the page dimensions.

csquotes in `macros/latex/contrib`
Markup for inline quotations in terms of control sequences or active quote characters.

ctable in `macros/latex/contrib`
Typeset centered table and figure floats with footnotes.

curve in `macros/latex/contrib`
A class for making curriculum vitæ .

custom-bib in `macros/latex/contrib`
Customize BibTeX style files.

datetime in `macros/latex/contrib`
Commands to print the current time (12 or 24 hour forms), ordinal number forms (e.g., 3rd), and as a string (e.g., `\numberstring{3}` would print three).

dblfloatfix in `macros/latex/contrib`
Fixes for `twocolumn` floats.

decimal in `macros/latex/contrib`
Use the traditional English decimal point instead of the American-style period.

dnaseq in `macros/latex/contrib`
Typeset simple single stranded DNA sequences (or any other letter sequence) in fixed-length blocks. The number of blocks per line is computed automatically, and the lines are prefixed with the current sequence number.

dramatist in `macros/latex/contrib`
Typeset dramatic works (plays).

ebezier in `macros/latex/contrib`
Plot Bézier curves in the picture environment.

eCards in `macros/latex/contrib`
Create electronic flash cards.

ednotes in `macros/latex/contrib`
Critical edition typesetting with LaTeX.

eemeir in `macros/latex/contrib`
Facilitates writing documents that must be produced in both male and female forms by providing natural commands to type in place of gender specific words.

ellipsis in `macros/latex/contrib`
Fixes the uneven spacing around ellipses in text mode.

empheq in `macros/latex/contrib`
A visual markup extension to `amsmath` for emphasizing equations.

engpron in `macros/latex/contrib`
Typeset English pronunciation.

epigraph in `macros/latex/contrib`
Typeset epigraphs, the pithy quotations often found at the start (or end) of a chapter.

eqlist in `macros/latex/contrib`
Allows description-like lists to have equal indentation. Requires `eqparbox`.

eso-pic in `macros/latex/contrib`
Makes it easy to add some picture commands to every page.

evautofl in `macros/latex/contrib/calendar/contrib`
An extension of the `autofilo.cls` of the LaTeX Calendar Bundle. The code has been hacked to separate the two columns making the page in `autofilo`, so now it's possible to use `ps2ps` to put more than a single page on a sheet when printing your calendar, thus saving a lot of paper.

evweek in `macros/latex/contrib/calendar/contrib`
An extension of the `weekly.cls` of the LaTeX Calendar Bundle.

excludeonly in `macros/latex/contrib/misc`
Define `\excludeonly`, the opposite of `\includeonly`.

facsimile in `macros/latex/contrib`
Create faxes.

fbithesis in `macros/latex/contrib`
At the University of Dortmund there are cardboard cover pages for research or internal reports. The main function of this document class is to typeset a title page that is adjusted to these cover pages.

fnbreak in `macros/latex/contrib`
Writes a warning to the log file when footnotes are split over several pages.

fncylab in `macros/latex/contrib/misc`
Changes the way labels are defined.

footbib in `macros/latex/contrib`
Make bibliographic references appear as footnotes.

footmisc in `macros/latex/contrib`
Customize footnotes.

framed in `macros/latex/contrib/misc`
Creates framed or shaded regions that can break across pages.

g-brief in `macros/latex/contrib`
Format formless letters in German or English.

gatech-thesis in `macros/latex/contrib`
Georgia Institute of Technology theses.

gauss in `macros/latex/contrib`
Package for typesetting matrix operations,

gensymb in `macros/latex/contrib/was`
Provides generic commands `\degree`, `\micro`, `\ohm`, `\celsius` and `\perthousand`, which work both in text and math mode. Various means are provided to fake the symbols or take them from particular symbol fonts, if they are not available in the default fonts used in the document.

gloss in `macros/latex/contrib`
Allows creation of glossaries via BibTEX.

guit in `macros/latex/contrib`
Provides commands to correctly write the logo of "Gruppo Utilizzatori Italiani di TEX" (Italian TEX User Group).

hhtensor in `macros/latex/contrib`
Commands for vectors, matrices and tensors.

hvfloat in `macros/latex/contrib`
Rotating float objects and captions.

iagproc in `macros/latex/contrib/misc`
LATEX 2$_\varepsilon$ class file for two column *IAG Proceedings* articles.

interactiveworkbook in `macros/latex/contrib`
Create interactive question-and-answer PDF tutorials meant to be used by Internet students.

invoice in `macros/latex/contrib`
For writing invoices. Supports English, German, Dutch and French.

iso in `macros/latex/contrib`
Typeset ISO International Standard documents.

isodate in `macros/latex/contrib`
Print dates in a variety of formats.

jurabib in `macros/latex/contrib`
Enables automated citation with BibTEX for legal studies and the humanities.

keystroke in `macros/latex/contrib`
For typesetting the graphical representation of the keys on a computer keyboard.

koma-script in `macros/latex/contrib`
A large and notable replacement for the standard LATEX 2$_\varepsilon$ classes.

ktv-texdata in `macros/latex/contrib`
Manage libraries of mathematics exercises. Useful for teachers.

labbook in `macros/latex/contrib`
Typeset laboratory journals that contain chronologically ordered records about experiments.

labels in `macros/latex/contrib`
Make sticky labels.

layouts in `macros/latex/contrib`
Enables the visual display of various elements of a document's layout.

ledmac in `macros/latex/contrib`
Typeset critical editions; a LATEX equivalent of the plain `edmac` macros.

leftidx in `macros/latex/contrib`
Enables left subscripts and superscripts in math mode.

lettre in `macros/latex/contrib`
Write letters and faxes in French, English, and German.

lettrine in `macros/latex/contrib`
Package designed to typeset various sorts of dropped capitals.

lineno in `macros/latex/contrib`
Provides line numbers on paragraphs.

linsys in `macros/latex/contrib/misc`
Inserts a circled number to the left of each equation in a linear system.

ltabptch in `macros/latex/contrib`
Fixes bugs in `longtable.sty`.

manuscript in `macros/latex/contrib`
Emulates the look of a document typed on a typewriter.

mceinleger in `macros/latex/contrib`
Typeset cassette covers.

memoir in `macros/latex/contrib`
Peter Wilson's flexible LATEX `documentclass` for typesetting of books such as novels, biographies, histories, etc., with options for trim marks, draft appearance, various sizes and much more.

menu in `macros/latex/contrib`
Typeset GUI menu selections for software documentation.

miller in `macros/latex/contrib`
Typesets Miller indices as used in material science, where negative numbers are written with a bar over them.

minitoc in `macros/latex/contrib`
Create mini-tables of contents by chapter, by section, or by parts.

mla-paper in `macros/latex/contrib`
Typeset papers in the MLA style.

modroman in `macros/latex/contrib/misc`
Write lower case roman numerals.

mparhack in `macros/latex/contrib`
Ensure that marginpars appear on the correct margin.

mtpro in `macros/latex/contrib`
Support for the commercial MathTimeProfessional fonts with LATEX.

multibib in `macros/latex/contrib`
Create references to multiple bibliographies within one document.

mwcls in `macros/latex/contrib`

A set of document classes for LaTeX 2ε designed with the Polish typographical tradition in mind.

namespc in `macros/latex/contrib`

Rudimentary C++-like namespaces in LaTeX.

nath in `macros/latex/contrib`

Natural math notation, a style to separate presentation and content in mathematical typography. Delivers a particular context-dependent presentation on the basis of a rather coarse context-independent notation — aims for producing traditional math typography output.

ncctools in `macros/latex/contrib`

LaTeX 2ε packages written and supported by Alexander I. Rozhenko.

needspace in `macros/latex/contrib/misc`

Provides commands to reserve space at the bottom of a page.

newlfm in `macros/latex/contrib`

For creating letters, faxes and memos; integrates the `letter` class with `fancyhdr` and `geometry` and includes support for an address database, languages, Avery labels and has full documentation.

nolbreaks in `macros/latex/contrib/misc`

Attempts to prevent line-breaks in portions of text while still allowing flexible glue.

notes in `macros/latex/contrib`

A style for highlighting notable sections of text in a document by putting the text in a boxed frame and placing a small graphic in the margin. Specifically designed to work with double sided pages, placing the 'icon' in the correct margin.

numprint in `macros/latex/contrib`

Pretty printing numbers.

octavo in `macros/latex/contrib`

Typeset books following classical layout and design principles.

opcit in `macros/latex/contrib`

Footnote-style bibliographical references.

outline in `macros/latex/contrib`

A six-level list environment for making outlines.

parallel in `macros/latex/contrib`

Typeset in two columns or two pages in parallel, e.g. typeset two languages side-by-side.

parrun in `macros/latex/contrib`

Typeset two streams of text running parallel.

pbox in `macros/latex/contrib`

A variable-width `\parbox`.

pdfpages in `macros/latex/contrib`

Insert pages of external PDF documents.

perpage in `macros/latex/contrib/misc`

Adds the ability to reset counters per page.

perltex in `macros/latex/contrib`

Combines LaTeX's typesetting power with Perl's programmability.

platex in `macros/latex/contrib`

Provides tools to typeset documents in Polish using LaTeX 2ε.

poemscol in `macros/latex/contrib`

Typeset critical editions of poetry.

polytable in `macros/latex/contrib`

`tabular`-like environments with named columns.

ppr-prv in `macros/latex/contrib`

Produce a printable version of slides written with Prosper, with two slides per page.

proba in `macros/latex/contrib`

Shortcut commands for symbols used in probability texts.

progress in `macros/latex/contrib`

Creates an overview of a document's state.

prosper in `macros/latex/contrib`

Slides using LaTeX.

ps4pdf in `macros/latex/contrib`

Use PostScript code in pdfLaTeX documents.

psfragx in `macros/latex/contrib`

Embed `\psfrag` commands provided by the `psfrag` package into the EPS file itself.

ragged2e in `macros/latex/contrib/ms`

Defines new commands which set ragged text and are easily configurable to allow hyphenation.

refstyle in `macros/latex/contrib`

Advanced formatting of cross-references.

register in `macros/latex/contrib`

Typesets the programmable elements in digital hardware, i.e., registers.

relsize in `macros/latex/contrib/misc`

Set the font size relative to the current size.

rotpages in `macros/latex/contrib`

Typeset multiple pages upside-down with page order rearrangement.

sansmath in `macros/latex/contrib/misc`

Define a new math version 'sans' and a command '`\sansmath`', much like '`\boldmath`'.

savesym in `macros/latex/contrib`

Saves and restores symbols.

scalebar in `macros/latex/contrib`

Creates scalebars for maps, diagrams, or photos.

SciWordConv in `macros/latex/contrib`

Use Scientific Word and Scientific WorkPlace source files with another TeX compiler.

semantic in `macros/latex/contrib`

Help for writing programming language semantics, including software ligatures.

sffms in `macros/latex/contrib`

Typeset fiction manuscripts.

shadow in `macros/latex/contrib/misc`

Draw a box with a drop shadow.

shapepar in `macros/latex/contrib/misc`

Typeset paragraphs of a specified shape, where the total size is adjusted automatically so that the entire shape is filled with text, and the shape may include separate pieces and holes.

sidecap in `macros/latex/contrib`
Typeset captions sideways.

SIunits in `macros/latex/contrib`
Typeset physical units following the rules of the International System of Units (SI).

slantsc in `macros/latex/contrib`
Enables small capitals in different font shapes.

smalltableof in `macros/latex/contrib`
Moves List of Figures or List of Tables to the sections of a chapter.

soul in `macros/latex/contrib`
Provides flexible, hyphenatable letterspacing, underlining, overstriking, and highlighting.

SplitIndex in `macros/latex/contrib`
Use an unlimited number of indices.

sseq in `macros/latex/contrib`
Draw spectral sequence charts.

statex in `macros/latex/contrib`
A statistics style for LaTeX.

statistik in `macros/latex/contrib`
Writes the page numbers of each chapter (plus chapter number and title) into an external file. Several LaTeX, CSV and XML formats can be produced.

subfloat in `macros/latex/contrib`
Enables subnumbering of different floats.

svn in `macros/latex/contrib`
Typeset Subversion keywords.

svninfo in `macros/latex/contrib`
Extracts the revision and file information provided by the Subversion revision control system.

tabvar in `macros/latex/contrib`
Eases the typesetting of tables showing variations of functions as they are used in France. The documentation is in French.

tclldoc in `macros/latex/contrib`
Simplify literate programming with Tcl.

teubner in `macros/latex/contrib`
A complement to the `greek` option of the `babel` package supporting "Lipsian" fonts, similar to those used by the Teubner Printing Company of Lipsia.

texlogos in `macros/latex/contrib`
Defines a number of ready-to-use LaTeX logos.

textpos in `macros/latex/contrib`
Fixes spacing misfeatures.

threeparttable in `macros/latex/contrib`
Tables with titles (captions) and notes. The titles and notes are given a width equal to the body of the table.

thrmappendix in `macros/latex/contrib/misc`
Facilitates moving long proofs to an appendix.

tocbibind in `macros/latex/contrib`
Add the Table of Contents, Bibliography, or Index to the Table of Contents listing.

tocloft in `macros/latex/contrib`
Provides control over the typography of the Table of Contents, List of Figures and List of Tables.

todo in `macros/latex/contrib`
Append a "to-do" list to a document.

tokenizer in `macros/latex/contrib`
Tokenizes comma-separated lists of strings.

toolbox in `macros/latex/contrib`
Provides some macros which are convenient for writing indices, glossaries, or other macros.

tugboat in `macros/latex/contrib`
LaTeX classes for writing *TUGboat* articles.

typogrid in `macros/latex/contrib`
Produces a typographic grid on every page of the document.

upgreek in `macros/latex/contrib/was`
Makes the Euler or Symbol typeface available as an upright Greek math alphabet.

upquote in `macros/latex/contrib`
Switches the typewriter font to Computer Modern Typewriter for its upright single quotes.

url in `macros/latex/contrib/misc`
Typeset and allow line breaking in URLs.

uwmslide in `macros/latex/contrib`
University of Wisconsin-Madison slides. Produces slides with a simple PowerPoint like appearance. Several different slide environments are included.

varwidth in `macros/latex/contrib/misc`
Variable width minipages.

verse in `macros/latex/contrib`
Aids in typesetting simple verse (poems).

versions in `macros/latex/contrib`
Optionally omit pieces of input.

wasysym in `macros/latex/contrib`
Defines commands to make some additional characters available from the `wasy` fonts.

webeq in `macros/latex/contrib`
The AcroTeX eDucational Bundle is a series of packages designed primarily for online education. Design your online page layout; create online exercises and quizzes; add Acrobat eForm elements; add Acrobat JavaScript to make your document interactive; submit your online quizzes to a server-side script (some basic scripts included).

withesis in `macros/latex/contrib`
University of Wisonsin-Madison theses.

wrapfig in `macros/latex/contrib`
Places a figure or table at the side of the page and wrap text around it. Includes a recipe for multiple column inserts.

xcolor in `macros/latex/contrib`
Driver-independent color extensions.

xdoc in `macros/latex/contrib`
Enhanced rewrite of the `doc` package.

yfonts in `macros/latex/contrib`
Support for the blackletter (old-German) typefaces provided by Y. Haralambous.

macros/plain

figflow in `macros/plain/contrib`
> Plain TeX macro to flow text around a figure.

metatex in `macros/plain/contrib`
> Provides two way communication between TeX and METAFONT to allow both the text and the figures in a single source file.

tugboat in `macros/plain/contrib`
> Plain TeX macros for writing *TUGboat* articles.

nonfree

FoilTeX in `nonfree/macros/latex/contrib/supported`
> A system for generating transparencies and slides.

initials in `nonfree/fonts`
> A collection of fonts for decorative initials.

oriya in `nonfree/language`
> Typesetting in Oriya, an Indian script.

rst in `nonfree/macros/latex/contrib/supported`
> Draw rhetorical structure analysis diagrams.

support

bibtex-gen in `support`
> A simple interactive script to generate BibTeX files.

bmeps in `support`
> A program to convert from PNG, TIFF, JPEG, and NetPBM to EPS.

chktex in `support`
> Finds typographic errors in LaTeX.

eps2pdf in `support`
> A GUI interface for conversion of EPS files into PDF easier via Ghostscript.

eukleides in `support`
> A Euclidean geometry drawing language.

fi2t1 in `support/miktex-contrib`
> Tools for installing Type 1 fonts in MikTeX.

highlight in `support`
> Command line tool to convert source code to syntax-highlighted (LA)TeX.

isi2bib-vim in `support`
> Vim script to convert a bibliographic database from ISI to BibTeX format.

ite in `support`
> An interactive tool for authoring LaTeX and TeX documents within Emacs.

JS-TeX in `support/javascript_TeXed`
> Small MikTeX editor for Win32 Intel platform. Requires IE 5.0+.

latexcount in `support/misc`
> Generates word count of LaTeX documents.

latexdb in `support`
> Brings together LaTeX and a MySQL database. You can use SQL queries in your LaTeX document and loop over the result sets creating tables, serial letters, and so on.

latexjed in `support`
> A LaTeX mode for the Jed editor.

lilypond in `support`
> The GNU Project music typesetter, LilyPond, produces beautiful sheet music.

mimetex in `support`
> Parses well-formed LaTeX math expressions, emitting either GIF images or MIME xbitmaps.

mk in `support/latex_maker`
> A Perl script that, in close collaboration with `vpp`, is helpful in the cyclic process of editing, viewing, and printing a LaTeX document. `mk` uses the `make` utility for the management of file dependencies, `texi2pdf` for compilation, `gv` (or any other viewer you like) for viewing, and ConTeXt's `texexec` for printing in various formats.

mps2eps in `support`
> Convert a METAPOST output file (`.mps`) to a self-contained EPS file.

pdfcrop in `support`
> Takes a PDF as input, calculates the BoundingBox for each page with the help of Ghostscript and generates an output PDF without margins.

png2pdf in `support`
> Convert PNG images to PDF.

preview-latex in `support`
> A system for displaying inline images of selected parts of a file in Emacs source buffers. The style file is independently useful for extraction of selected text elements as images.

proof in `support`
> A Bash (Bourne Again Shell) based complement to an ordinary word processing program, able to co-ordinate the processing and viewing of TeX, LaTeX, METAFONT and METAPOST-sources..

ps2eps in `support`
> Convert PostScript to EPS.

psfragger in `support`
> A free tool used to replace labels in EPS files by using `psfrag` and LaTeX. The result is a modified EPS file that can be further converted to PDF for use with PDFLaTeX (EPS to PDF conversion is included in this tool).

references in `support`
> Bibliographic software for authors of scientific manuscripts and for management of bibliographic data of journal articles, books, book chapters, etc.

shlatex in `support`
> LaTeX compilation Bash script for Linux.

tex4ht in `support`
> A complete system for translating (LA)TeX sources into hypertext.

texpack in `support`
> A bundle of scripts to create documented LaTeX styles, class files, and documentation.

texpert in `support`
> A German language TeX editor for Windows.

tif2eps in `support/pstools`
Convert TIFF images to EPS.

ttf2tex in `support`
Bash script to create all files necessary to use True-Type fonts with teTeX.

txt2tex in `support`
Convert plain text into LaTeX.

vpp in `support/view_print_ps_pdf`
A command line utility to view and print PostScript and PDF documents.

wp2latex in `support`
Convert WordPerfect to LaTeX.

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systems

bakoma in `systems/win32`
Upgrade of BaKoMa TeX system to V.6.15.

clasen in `systems/tex-extensions`
Proposals for extensions to TeX by Matthias Clasen.

enctex in `systems`
A TeX extension supporting flexible input/output reencoding, with full UTF-8 (Unicode) processing.

eomega in `systems`
A TeX extension with both Omega's and e-TeX's enhanced features. The package will be renamed Aleph at the point of the first stable release.

epmtfe in `systems/os2`
The "EPM TeX Front End", a module for the OS/2 "Enhanced Editor" EPM. It turns the EPM into an integrated TeX environment, providing (LA)TeXing, previewing and executing of auxiliary programs from the editor menu.

latexpix in `systems/win32`
A drawing program for Windows which generates LaTeX pictures.

pdftex in `systems`
An extension of TeX that can create PDF directly from TeX source files. It also supports new micro-typographic features.

WinShell in `systems/win32`
A graphical user interface for easily working with TeX. It is *not* a TeX system itself, so requires a system such as MikTeX or TeX Live.

wintex2000 in `systems/win32`
A shareware Windows TeX editor with Microsoft Office look and feel.

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