a0poster
Provides fonts in sizes of 12pt up to 107pt. Provides fonts in sizes of 12pt up to 107pt and also makes sure that in math formulas the symbols appear in the right size. Can also create a PostScript header file for dvips which ensures that the poster will be printed in the right size. Supported sizes are DIN A0, DIN A1, DIN A2 and DIN A3.
Author: unknown; CTAN location: macros/latex/contrib/supported/a0poster

latex3

a2ac
AFM to AFM plus Composites. Enables the use of PostScript fonts while typesetting texts in languages where accented letters are used. The font doesn’t need to contain the complete alphabet of a given language; the presence of mere accents themselves (no whole accented characters) is sufficient. The configuration files of the a2ac program are independent of the PostScript font encoding and of the typesetting system encoding. The program may be used to prepare a font for any typesetting system, especially \TeX.
Author: Petr Olšák; CTAN location: fonts/utilities/a2ac

a4
Support for A4 paper sizes. Provides support for A4 paper sizes, however it is mostly superseded by the a4paper option of \LaTeX{} and by the geometry package. It does, however also define the extra option of widemargins.
Author: Nico Poppelier and Johannes Braams; CTAN location: macros/latex/contrib/supported/ntgclass

a4wide
Increases width of printed area of an a4 page. This package provides an option to increase the width of the a4 page. Note however that it is superseded by geometry.
Author: unknown; CTAN location: macros/latex/contrib/other/misc

a5
Support for a5 paper size. This package provides support for a5 paper sizes. Note however that it is superseded by geometry.
Author: Mario Wolczko; CTAN location: macros/latex/contrib/other/misc

a5comb
Support for a5 paper sizes. Superseded by geometry.
Author: Mario Wolczko; CTAN location: macros/latex/contrib/other/misc

aaai
AAAI style.

latex3
Author: unknown; CTAN location: macros/latex209/contrib/aaai

aastex
American Astronomical Society format.

latex3
Author: American Astronomical Society; CTAN location: macros/latex/contrib/supported/aastex

abbrevs
Text abbreviations in \LaTeX{}. \LaTeX{} package defining abbreviation macros, which expand to defined text and insert following space intelligently, based on context. They can also expand to one thing the first time they are used and another thing on subsequent invocations. Thus they can be abbreviations in two senses, in the source and in the document. Also includes a facility for suffixes like 1900BC and 6:00PM which correctly handles following periods.
Author: Matt Swift; CTAN location: macros/latex/contrib/supported/frankenstein

abc2mtex
Notate tunes stored in abc notation. A package to notate tunes stored in an ASCII format (abc notation). One of the most important aims of abc notation, and perhaps one that distinguishes it from most, if not all, computer-readable musical languages is that it can be easily read by humans. The package produces files that can be processed with Music\TeX.
Author: Chris Walshaw; CTAN location: support/abc2mtex

abstbook
Books of abstracts. \LaTeX{}2ε class file for making “books of abstracts”, commonly used for conferences. It is based on report class, however \chapter{} has been redefined and shouldn’t be used.
Author: Havlík Denis; CTAN location: macros/latex/contrib/other/misc

abstract
Control the typesetting of the abstract environment. The abstract package gives you control over the typesetting of the abstract environment, and in particular provides for a one column abstract in a two column paper.
Author: Peter R. Wilson; CTAN location: macros/latex/contrib/supported/abstract

abstyles
No description available.

biblatex
Author: unknown

accents
Multiple accents. A package for multiple accents with nice features concerning creation of accents and placement of scripts.
Author: Javier Bezos; CTAN location: macros/latex/contrib/supported/bezos

accfonts
Includes mkt1font, vpl2vpl, CSX.def, and Norman.def.

fonts
Author: John Smith; CTAN location: fonts/utilities/accfonts

achemso
\LaTeX{} and Bib\LaTeX{} style for American Chemical Society.

latex3
Author: Mats Dahlgren; CTAN location: macros/latex/contrib/supported/achemso
achicago-bst Chicago Manual BtBr\TeX{} style. Produces bibliographies based on The Chicago Manual of Style. Requires the \texttt{achicago} \LaTeX{} package.

Author: Matt Swift; CTAN location: \texttt{macros/latex/contrib/supported/frankenstein}

\texttt{achicago} Chicago Manual citations in \LaTeX{}. Produces author-date citations based on The Chicago Manual of Style.

Author: Matt Swift; CTAN location: \texttt{macros/latex/contrib/supported/frankenstein}

\texttt{acmconf} Association for Computing Machinery conference proceedings. This class may be used to typeset articles to be published in the proceedings of ACM (Association for Computing Machinery) conferences and workshops. The layout produced by the ‘acmconf’ class is based on the description contained in \texttt{www.acm.org/sigs/pubs/proceed/pubform.doc}.

Author: Juergen Vollmer; CTAN location: \texttt{macros/latex/contrib/supported/acmconf}

\texttt{acronym} Expand acronyms at least once. This package ensures that all acronyms used in the text are spelled out in full at least once. It also provides an environment to build a list of acronyms.

Author: Tobias Oetiker and Heiko Oberdiek; CTAN location: \texttt{macros/latex/contrib/supported/acronym}

\texttt{adfathesis} Australian Defence Force Academy thesis format.

\texttt{latex3} Objects for \LaTeX{} \texttt{latex2e}.

\texttt{adobe} Font metrics and macro support for many Adobe fonts.

Author: unknown; CTAN location: \texttt{fonts/postscript/adobe}

\texttt{adobeother} Font metrics for Adobe non-standard fonts.

\texttt{fonts3} Font metrics for Adobe ‘standard’ fonts.

\texttt{fonts1} Author: Sebastian Rahtz

\texttt{adrlist} Using address lists in \LaTeX{}.

\texttt{latex3} Author: unknown; CTAN location: \texttt{macros/latex/contrib/other/adrlist}

\texttt{advdate} Provides macros which can add a specified number of days to the current date (as specified in \texttt{\today}) and print it. Intended for use, for example, in invoices payable within 14 days from today etc. Has only been tested with Czech dates. A version supporting English dates is expected soon.

Author: Zdenek Wagner; CTAN location: \texttt{macros/latex/contrib/other/misc}

\texttt{ae} Virtual fonts for PDF-files with T1 encoded CMR-fonts. A set of virtual fonts which emulates T1 coded fonts using the standard CM fonts. The package is called AE fonts (for Almost European). The main use of the package is to produce PDF files using versions of the CM fonts instead of the bitmapped EC fonts.

Author: Lars Engebretsen; CTAN location: \texttt{fonts/ae}

\texttt{aeguill} Add several kinds of guillemets to the ae fonts. A package adding several kinds of guillemets (polish cmr, cyrillic cmr, lasy and ec) to the ae fonts. It is useful if you are using the ae fonts to produce PDF files, since the additional guillemets exist in Type 1 versions (and for free, except in ec’s case).

Author: Denis B. Roegel; CTAN location: \texttt{macros/latex/contrib/supported/aeguill}

\texttt{afterpage} Execute command after each page. Implements a command that causes the commands specified in its argument to be expanded after the current page is output. Useful to flush floats, for example. \LaTeX{}’s float positioning mechanism sometimes gets overloaded and all floating figures and table drift to the end of the document. One may flush out all the unprocessed floats by issuing a \texttt{\clearpage} command, but this has the effect of making the current page end prematurely. Now you can issue \texttt{\afterpage{\clearpage}} and the current page will be filled up with text as usual, but then a \texttt{\clearpage} command will flush out all the floats before the next text page begins.

Author: David Carlisle; CTAN location: \texttt{macros/latex/required/tools}

\texttt{afthesis} Air Force Institute of Technology thesis class. \LaTeX{} thesis/dissertation class for US Air Force Institute of Technology.

Author: Joel D. Young; CTAN location: \texttt{macros/latex/contrib/supported/afthesis}

\texttt{aguplus} Styles for American Geophysical Union.

\texttt{latex3} Author: P. W. Daly; CTAN location: \texttt{macros/latex/contrib/supported/aguplus}

\texttt{aiaa} American Institute of Aeronautics and Astronautics. A bundle of \LaTeX{}\slash{}\BibTeX{} files and sample documents to aid those producing papers and journal articles according to the guidelines of the American Institute of Aeronautics and Astronautics (AIAA).

Author: Bil Kleb; CTAN location: \texttt{macros/latex/contrib/supported/aiaa}
algorithmic Provides an environment for describing algorithms. Within an algorithmic an
number of commands are available. Options supported by the package include: letterhead for US letter; a4offset for a modified
A4 layout suitable for plastic binders that cover a part of the left margin. Also includes isodate to set
the date as YYYY-MM-DD as described in ISO 8601 and DIN 5008 and 
newconf a new configuration example that uses Times/Courier.
Author: Axel Kielhorn; CTAN location: macros/latex/contrib/supported/algorithmic

algorithms Defines a floating algorithm environment designed to work with the algorithmic package.
Author: Peter Williams; CTAN location: macros/latex/contrib/supported/algorithms

algorithmic Provides an environment for describing algorithms. Within an algorithmic a number of commands
for typesetting popular algorithmic constructs are available.
Author: Peter Williams; CTAN location: macros/latex/contrib/supported/algorithmic

alphanum Permits an alphanumeric section numbering. For example, A. Introduction; III. International Law.
Author: Felix Braun; CTAN location: macros/latex/contrib/supported/jura

altfont A generalised replacement for some parts of psnfss and mfnfss. Similar to psfont with the PostScript
specific code removed.
Author: Sebastian Kirsch; CTAN location: macros/latex/contrib/support/altfont

amiweb2c An Amiga port of the complete UNIX-T\TeX\ system.
Author: Andreas Scherer; CTAN location: systems/amiga/amiweb2c

amsbsy Produce bold math symbols (AMS-$$\text{T}\TeX$$). Produce bold math symbols (AMS-$$\text{T}\TeX$$). Part of the
AMS-$$\text{T}\TeX$$ distribution, this package provides a command for producing bold math symbols when
appropriate fonts exist, and a ‘poor man’s bold’ command that can be applied when no appropriate
bold font is available. In particular, the macro \boldsymbol is defined.
Author: American Mathematical Society; CTAN location: macros/latex/required/amslatex/math

amscd AMS-$$\text{T}\TeX$$ – commutative diagrams. Part of the AMS-$$\text{T}\TeX$$ distribution, this package adapts the
commutative diagram macros of AMS-$$\text{T}\TeX$$ for use in $$\text{T}\TeX$$.
Author: American Mathematical Society; CTAN location: macros/latex/required/amslatex/math

amscls AMS document class for $$\text{T}\TeX$$. 
Author: American Mathematical Society; CTAN location: macros/latex/required/amslatex

amsfonts \text{T}\TeX fonts from the American Mathematical Society. Augments the standard set normally
distributed with $$\text{T}\TeX$$, including: extra mathematical symbols; blackboard bold letters (uppercase only);
fraktur letters; subscript sizes of bold math italic and bold Greek letters; subscript sizes of large symbols
such as sum and product; added sizes of the Computer Modern small caps font; cyrillic fonts (from the
University of Washington); Euler math fonts.
Author: unknown; CTAN location: fonts/amsfonts

alltt Define the alltt environment which is like the verbatim environment except that
lines are automatically numbered and can be referenced, with easy indentation, and
algorithms as floats.
Author: Staffan Ulberg; CTAN location: macros/latex/contrib/supported/alltt

alpalph Convert numbers to letters. Provides commands \texttt{alpalph} and \texttt{Alphalph}. They are like \texttt{number}
but the expansion consists of lowercase and uppercase letters respectively (1 to a, 26 to z, 27 to aa,
52 to zz, 53 to ba, 702 to zz, 703 to aaa, etc.). Can be used as an replacement for $$\text{T}\TeX$$’s \texttt{Alphalph} and
\texttt{Alphalph} macros.
Author: Heiko Oberdiek; CTAN location: macros/latex/contrib/supported/oberdiek

alphanum Permits an alphanumeric section numbering. For example, A. Introduction; III. International Law.
Author: Felix Braun; CTAN location: macros/latex/contrib/supported/jura

altfont A generalised replacement for some parts of psnfss and mfnfss. Similar to psfont with the PostScript
specific code removed.
Author: Sebastian Kirsch; CTAN location: macros/latex/contrib/support/altfont

amiweb2c An Amiga port of the complete UNIX-T\TeX\ system.
Author: Andreas Scherer; CTAN location: systems/amiga/amiweb2c

amsbsy Produce bold math symbols (AMS-$$\text{T}\TeX$$). Produce bold math symbols (AMS-$$\text{T}\TeX$$). Part of the
AMS-$$\text{T}\TeX$$ distribution, this package provides a command for producing bold math symbols when
appropriate fonts exist, and a ‘poor man’s bold’ command that can be applied when no appropriate
bold font is available. In particular, the macro \boldsymbol is defined.
Author: American Mathematical Society; CTAN location: macros/latex/required/amslatex/math

amscd AMS-$$\text{T}\TeX$$ – commutative diagrams. Part of the AMS-$$\text{T}\TeX$$ distribution, this package adapts the
commutative diagram macros of AMS-$$\text{T}\TeX$$ for use in $$\text{T}\TeX$$.
Author: American Mathematical Society; CTAN location: macros/latex/required/amslatex/math

amscls AMS document class for $$\text{T}\TeX$$. 
Author: American Mathematical Society; CTAN location: macros/latex/required/amslatex

amsfonts \text{T}\TeX fonts from the American Mathematical Society. Augments the standard set normally
distributed with $$\text{T}\TeX$$, including: extra mathematical symbols; blackboard bold letters (uppercase only);
fraktur letters; subscript sizes of bold math italic and bold Greek letters; subscript sizes of large symbols
such as sum and product; added sizes of the Computer Modern small caps font; cyrillic fonts (from the
University of Washington); Euler math fonts.
Author: unknown; CTAN location: fonts/amsfonts
latex2  AMS math facilities for \LaTeX. This package is the principal package in the AMS-\LaTeX distribution. It adapts for use in \LaTeX most of the mathematical features found in AMS-\TeX.

amsmath  AMS-\LaTeX article preprint document style.

amssymb  AMS symbol fonts for \LaTeX. Part of the AMSFonts distribution, this \LaTeX option defines symbol names for all the math symbols in the fonts MSAM and MSBM, of the AMSFonts package.

amssymb  AMS symbol fonts for \LaTeX. Part of the AMSFonts distribution, this \LaTeX option defines symbol names for all the math symbols in the fonts MSAM and MSBM, of the AMSFonts package.

amstext  \text macro, which makes it easy to incorporate fragments of text inside a displayed equation or a sub or superscript. Font sizes are automatically scaled in sub/superscripts.

anonchap  Make \texttt{\textbackslash chapters} be typeset like sections.

apa  American Psychological Association format. A \LaTeX class to format text according to the American Psychological Association Publication Manual (4th ed.) specifications for manuscripts or to the APA journal look found in journals like the Journal of Experimental Psychology etc. In addition, it provides regular \LaTeX-like output with a few enhancements and APA-motivated changes.

anttvf  Virtual fonts for PostScript Antykwa Toruńska font. A collection of virtual fonts generated with fontinst 1.6, that provide a PostScript font ‘Antykwa Toruńska’ (antyktor) in OT1, T1, TS1 and OT4 encodings, to be used with \LaTeX2ε.

antyp  Antykwa Półtawskiego: a Type 1 family of Polish traditional type. A replica of Antykwa Półtawskiego font in PostScript Type 1 format – preliminary version. This font was designed in the 'twenties and the 'thirties of XX century by a Polish graphic artist and a typographer Adam Półtawski. It was widely used by Polish printing houses as long as metal types were in use (until ca the 'sixties). Perhaps the first complete font family programmed and parametrized in METAPOST (?)

antyktor  Antykwa Toruńska: a Type 1 family of a Polish traditional type. Antykwa Toruńska is a serif font designed by the Polish typographer Zygfryd Gardzielewski which have been reconstructed and digitized as Type 1.

apa  American Psychological Association format. A \LaTeX class to format text according to the American Psychological Association Publication Manual (4th ed.) specifications for manuscripts or to the APA journal look found in journals like the Journal of Experimental Psychology etc. In addition, it provides regular \LaTeX-like output with a few enhancements and APA-motivated changes.

apacite  A \LaTeX style which closely follows the APA style citation, claiming to provide the closest match.

bibtext3  A more conforming apa-like style for Bf\LaTeX.

apaso\textit{t}  Fonts for typesetting APL programs.

apslatex  Miscellaneous \LaTeX enhancements. A collection of loosely related files that are distributed together by the American Mathematical Society. These files are miscellaneous enhancements to \LaTeX whose aim is superior information structure of mathematical documents and superior printed output.

ar  American Mathematical Society; CTAN location: \texttt{macros/latex/required/amslatex}

latex3  American Mathematical Society plain \LaTeX macros.

apa  American Psychological Association format. A \LaTeX class to format text according to the American Psychological Association Publication Manual (4th ed.) specifications for manuscripts or to the APA journal look found in journals like the Journal of Experimental Psychology etc. In addition, it provides regular \LaTeX-like output with a few enhancements and APA-motivated changes.

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apa  American Psychological Association format. A \LaTeX class to format text according to the American Psychological Association Publication Manual (4th ed.) specifications for manuscripts or to the APA journal look found in journals like the Journal of Experimental Psychology etc. In addition, it provides regular \LaTeX-like output with a few enhancements and APA-motivated changes.
appendix Extra control of appendices. The word ‘Appendix’ or similar can be prepended to the appendix number for article class documents. The word ‘Appendices’ or similar can be added to the table of contents before the appendices are listed. The word ‘Appendices’ or similar can be typeset as a \part-like heading (page) in the body. An appendices environment is provided which can be used instead of the \appendix command. Includes support for per chapter (or section for non-chaptered documents) appendices.

Author: Peter Wilson; CTAN location: macros/latex/contrib/supported/appendix

ar MetaFont files and a \E\TeX\ package for producing and using the capital A and capital R ligature.
fonts3 used for the symbol of the “aspect ratio” by scientists and engineers in the field of aeronautics.

Author: unknown; CTAN location: macros/latex/contrib/other/ar

arabtex Macros and fonts for typesetting Arabic.
lang3 Author: Klaus Lagally; CTAN location: language/arabtex

archaic A collection of archaic fonts. The collection includes cypriot, etruscan, greek4cbc, greek6cbc, linearb, phoenician, and runic.
fonts3 Author: Peter Wilson; CTAN location: fonts/archaic

armenian A package which lets one to write in Armenian with \TeX. It can be used with a standard Latin keyboard without any special encoding and/or support for Armenian letters. It can also be used with any keyboard which uses encodings having Armenian letters in the second half (characters 128–255) of the extended ASCII table.
lang3 Author: Serguei Dachian and V. Hakobian; CTAN location: fonts/armenian

armtex A system for writing Armenian with \TeX\ and \E\TeX. Arm\TeX\ is an Armenian system for \TeX\, \E\TeX(2\epsilon)/METAFONT. It can be used with a standard Latin keyboard without any special encoding and/or support for Armenian letters. It can also be used with any keyboard which uses encoding having Armenian letters in the second half (characters 128–255) of the extended ASCII table (for example ArmSCII Armenian standard).

Author: Serguei Dachian; CTAN location: language/armenian

arosgn Support for the Bengali language.
lang3 Author: Muhammad Masroor Ali; CTAN location: language/bengali/arosgn

array Arrays and tables with formatted columns. An extended implementation of the array and tabular environments which implements options to format columns. The \! option, for example, is introduced with this package.

Author: Frank Mittelbach and David Carlisle; CTAN location: macros/latex/required/tools

arrayjob Array data structures for (\B)\TeX. This package provides array data structures in (\B)\TeX, in the meaning of the classical procedural programming languages like Fortran, Ada or C, and macros to manipulate them. Arrays can be mono or bi-dimensional. This is useful for applications which require high level programming techniques, like algorithmic graphics programmed in the \TeX language.

Author: Zhuhan Jiang; CTAN location: macros/generic/arrayjob

arrow Eplain macros for arrow theoretic diagrams.

Author: Steven T. Smith; CTAN location: macros/eplain

arydshln Horizontal and vertical dashed lines. Definitions of horizontal and vertical dashed lines for the array and tabular environment. Horizontal lines are drawn by \\dashline and \\cdashline while vertical ones can be specified as a part of preamble using ‘.’. The shape of dashed lines may be controlled through style parameters or optional arguments.

Author: Hiroshi Nakashima; CTAN location: macros/latex/contrib/supported/arydshln

asaetr Transactions of the American Society of Agricultural Engineers.
latex3 Author: George Pearson; CTAN location: macros/latex/contrib/other/asaestr

ascelike Bibliography style for the American Society of Civil Engineers. A document class and bibliographic style that prepares documents in the style required by the American Society of Civil Engineers (these are unofficial files, not sanctioned by that organization, and the files specifically give this caveat). Also included is a short documentation/example of how to use the class.

Author: Matthew R. Kuhn; CTAN location: /macros/latex/contrib/supported/ascelike

ascii Support for IBM extended ASCII font.
fonts3 Author: unknown; CTAN location: fonts/ascii

fonts3 Author: unknown; CTAN location: fonts/astro
at \; A\; package\; to\; remove\; a\; lot\; of\; tedious\; typing\; that\; ends\; up\; in\; \LaTeX\; documents\; by\; expanding\; the\; number\; of\; short\; command\; names\; available.\; The\; new\; command\; names\; begin\; with\; the\; \texttt{\textbackslash \&}\; character,\; rather\; than\; the\; conventional\; \textbackslash \\; so\; you\; can\; tell\; them\; apart.

Author:\; Mark\; Wooding;\; CTAN\; location:\; \texttt{macros/latex/contrib/supported/mdwtools}

attrib \; Attribution\; of\; block\; quotations\; in\; \LaTeX.\; A\; \LaTeX\; package\; defining\; \texttt{\textbackslash attrib},\; which\; attributes\; block\; elements,\; for\; example\; when\; citing\; a\; reference\; after\; a\; block\; quotation.

Author:\; Matt\; Swift;\; CTAN\; location:\; \texttt{macros/latex/contrib/supported/frankenstein}

auctex \; Emacs\; support\; files\; for\; \TeX.\; Provides\; one\; of\; the\; best\; environments\; for\; \TeX/\LaTeX\; document production.

Author:\; unknown;\; CTAN\; location:\; \texttt{support/auctex}

auncial \; Artificial\; Uncial\; manuscript\; book-hand\; font.\; The\; auncial\; and\; allauncl\; packages\; provide\; Metafont\; fonts\; based\; on\; the\; Artificial\; Uncial\; manuscript\; book-hand\; used\; between\; the\; 6th\; and\; 10th\; century\; AD.\; The\; font\; consists\; of\; minuscules\; and\; digits,\; with\; some\; appropriate\; period\; punctuation\; marks.\; Both\; normal\; and\; bold\; versions\; are\; provided.

Author:\; Peter\; Wilson;\; CTAN\; location:\; \texttt{fonts/bookhands/auncial}

aurora \; Header\; files\; for\; dvips\; to\; make\; colour\; separations.

dvips3 \; Author:\; unknown

authorindex \; A\; package\; to\; generate\; a\; list\; of\; all\; authors\; cited\; in\; a\; document\; along\; with\; a\; list\; of\; pages\; where\; these\; citations\; occur.

Author:\; Andreas\; Wettstein;\; CTAN\; location:\; \texttt{indexing/authorindex}

autotab \; Generating\; tabular\; setups.

latex3 \; Author:\; unknown;\; CTAN\; location:\; \texttt{macros/latex209/contrib/autotab}

babel \; Multilingual\; support\; for\; \LaTeX.

Author:\; Johannes\; L.\; Braams;\; CTAN\; location:\; \texttt{macros/latex/required/babel}

backgammon \; Style\; for\; typesetting\; backgammon\; boards.

fonts3 \; Author:\; unknown;\; CTAN\; location:\; \texttt{macros/latex/contrib/other/bg}

backgrnd \; Mark\; text\; with\; grey\; background\; or\; change\; bar\; Marks\; text,\; using\; \TeX’s\; resources\; only\; (no\; PostScript\; tricks –\; grey\; background\; uses\; a\; shade\; font\; defined\; with\; MetaFont.\; Works\; under\; plain\; \TeX,\; in\; simple\; \LaTeX\; 2.09\; documents,\; but\; probably\; not\; in\; \LaTeX\; 2.14.\n
Author:\; Peter\; Schmitt;\; CTAN\; location:\; \texttt{macros/generic}

bakoma-fonts \; Computer\; Modern\; and\; AMS\; fonts\; in\; PostScript\; Type1\; form.

Author:\; unknown;\; CTAN\; location:\; \texttt{fonts/cm/ps-type1/bakoma}

bakoma-games \; BaKoMa\; modules\; for\; music\; and\; games.\; This\; module\; includes\; popular\; macro\; packages\; described\; in\; chapters\; 7\; (Preparing\; music\; scores:\; Musi\; \LaTeX)\; and\; 8\; (Playing\; games:\; Chess,\; Xiangqi -\; Chinese\; Chess,\; Go,\; Backgammon,\; Bridge,\; Crosswords)\; of\; the\; ‘\LaTeX\; Graphics\; Companion’\; They\; are\; precompiled\; for\; use,\; together\; with\; fonts\; and\; documentation,\; directly\; in\; BaKoMa\; \TeX.\; Fonts\; used\; by\; some\; packages\; are\; converted\; into\; formats\; suitable\; both\; for\; printing\; and\; for\; PDF\; generation.\; For\; example,\; for\; Chess\; the\; diagram\; fonts\; are\; converted\; into\; vector\; Type\; 3\; font\; format.\; Board\; black\; squares\; are\; coded\; as\; a\; gray\; color\; instead\; of\; dashing.\; This\; approach\; gives\; the\; best\; results\; on\; printers\; and\; displays.\; Fonts\; for\; in-line\; notation\; are\; in\; Type\; 1\; font\; format.\; For\; Go\; the\; special\; fonts\; are\; too\; hard\; to\; convert\; automatically\; and\; have\; been\; efficiently\; coded\; in\; Type\; 3\; font\; format.\; For\; Backgammon\; the\; fonts\; were\; originally\; dithered\; as\; halftone,\; making\; them\; unsuitable\; for\; PDF.\; The\; halftone\; was\; emulated\; by\; using\; gray\; color\; in\; Type\; 3\; fonts.

Author:\; Basil\; Malyshev;\; CTAN\; location:\; \texttt{systems/win32/bakoma/contrib}

bakoma-malvern \; \TeX\; for\; MS-Windows\; for\; electronic\; documents.\; Malvern\; is\; a\; sansserif\; font\; intended\; mainly\; for\; non-technical\; documents.\; It\; does\; not\; blend\; particularly\; well\; with\; the\; Computer\; Modern\; fonts.\; Malvern\; is\; a\; font\; family\; designed\; and\; implemented\; in\; MF\; by\; P.\; Damian\; Cugley.\; Conversion\; to\; PostScript\; Type\; 1\; font\; format\; has\; been\; done\; by\; Basil\; K.\; Malyshev.\; It\; is\; distributed\; as\; a\; MS-Windows\; exe\; file\; which\; will\; install\; the\; fonts\; under\; already\; installed\; BaKoMa\; \TeX\; 2.11\; and\; later.

Author:\; Basil\; Malyshev;\; CTAN\; location:\; \texttt{systems/win32/bakoma/dst}
bakoma  \TeX{} for MS-Windows for electronic documents. A \TeX{} package intended for preparing Electronic Publications. The system works under MS-Windows 95/98/NT. The system includes a complete extendable GUI (Text editor, DVI Viewer, Help system), an updated version of the BaKoMa Fonts Collection, the \TeX{} processor with friends (Bi\TeX{}, MakeIndex, MetaPost, DVIPS, DVICopy), a standard compliant TDS, and an installation program. The system supports the use of scalable fonts (PostScript Type 1, PostScript Type 3, and TrueType) and the importing of PostScript graphics into documents. In advance, the system supports import of PDF and printing on any printer supported by a driver under MS-Windows. The system efficiently supports multiple TEXMF trees.

Author: Basil Malyshev; CTAN location: systems/win32/bakoma

barcode2 No description available.

fonts3 Author: unknown

barcodes Fonts for making barcodes.

fonts3 Author: unknown; CTAN location: fonts/barcodes

barr Diagram macros by Michael Barr.

graphics3 Author: Michael Barr; CTAN location: macros/generic/diagrams/barr

base Definitive source of Plain \TeX{} on CTAN. This archive is mirrored directly from labrea:/tex/lib/.

Author: Donald Knuth; CTAN location: macros/plain/base

bbding Symbol font including many Zapfdingbats. An NFSS-interface to the symbol font bbding containing many of the Zapfdingbats fonts.

fonts3 Author: Peter Neergaard; CTAN location: fonts/bbding

bbl2html Convert a Bi\TeX{} .bbl file to formatted html code.

Author: Rik Blok; CTAN location: biblio/bibtex/utils

bbm Blackboard variant fonts for Computer Modern, with Bi\TeX{} support.

fonts3 Author: unknown; CTAN location: fonts/cm/bbm

bbold Sans serif blackboard bold. A geometric sans serif blackboard bold font, for use in mathematics

fonts3 Author: Alan Jeffrey

beeebe \TeX{}-related bibliographies and Bi\TeX{} styles. Nelson Beebe’s collection of \TeX{}-related bibliographies and Bi\TeX{} style files.

Author: Nelson Beebe

beletter Typeset Belgian letters. A small class for typesetting Belgium letters.

Author: James Kilfiger and Frank Lenaerts; CTAN location: macros/latex/other/misc

belleek Free replacement for basic MathTime fonts. Free replacement for basic MathTime fonts

fonts2 Author: Richard Kinch

beton Typeset a Bi\TeX{} document with the Concrete fonts designed by Don Knuth and used in his book “Concrete Mathematics”.

Author: Frank Jensen; CTAN location: macros/latex/contrib/support/beton

bez123 Support for Bezier curves. A package providing additional facilities for drawing linear, cubic, and rational quadratic Bezier curves. The multiply package provides a command for multiplication of a length without numerical overflow.

Author: Peter Wilson; CTAN location: macros/latex/contrib/support/bez123

bezos Packages by Javier Bezos. Tools for math accents; tensorial indexes; tools for easy entry of Spanish index entries.

Author: Javier Bezos; CTAN location: macros/latex/contrib/support/bezos

bibarts A package to assist in making bibliographical lists common in the arts.

bibtex2 Author: Timo Baumann; CTAN location: macros/latex/contrib/support/bibarts

bibdb Bi\TeX{} bibliography manager for MS-Windows and MS-DOS.

Author: Eyal Doron; CTAN location: support/bibdb

fibhtml Bi\TeX{} support for HTML files. Bibhtml consists of a Perl script and a Bi\TeX{} style file, which together allow you to compile a bibliography for a collection of HTML files. The references in the text are linked directly to the corresponding bibliography entry, and if a URL is defined in the entry within the Bi\TeX{} database file, then the generated bibliography entry is linked to this. The Bi\TeX{} style file is plainhtml.bst, and is derived from the standard plain.bst.

Author: Norman Gray; CTAN location: biblio/bibtex/contrib/fibhtml
biblio  An extensive collection of \LaTeX\ bibliographies on many topics (linux, java, sas, s-plus, amongst many others) and for many journals (lecture notes in computer science acm, byte, computer, and much, much, more.). Each includes a \LaTeX\ wrapper file to typeset the bibliography.

Author: Nelson H. F. Beebe; CTAN location: info/biblio

biblios  A MS-Windows95 tool that uses the CGI (common gateway interface) protocol so that \LaTeX\ files can be managed remotely using an HTTP-server on the server side and a Web-browser such as Netscape on the client side.

Author: Anders Moller; CTAN location: systems/msdos

bibtex  Bibliography management for \LaTeX.  

Author: Oren Patashnik; CTAN location: biblio/bibtex/distribs

bibtex2  A fully 8-bit adaptation of \LaTeX\ 0.99.

Author: Niel Kempson; CTAN location: biblio/bibtex/8-bit

bibtex2  Include multiple ‘by topic’ bibliographies in a document.  

Author: Pierre Basso and Stefan Ulrich; CTAN location: macros/latex/contrib/supported/bibtopic

bibunits  Multiple bibliographies in one document.  

Author: Jose Alberto and Thorston Hansen; CTAN location: macros/latex/contrib/supported/bibunits

bibweb  Automatically retrieve bibliography from MathSciNet.  

Author: John H. Palmieri; CTAN location: biblio/bibtex/8-bit

bidstobibtex  A tool to take input from a BIDS email message (generated using one of the downloading formats) to \LaTeX.  

Author: Anthony Stone; CTAN location: biblio/bibtex/contrib/bids

bigdelim  Big delimiters.  

Author: Piet van Oostrum; CTAN location: macros/latex/contrib/supported/multirow

bigstrut  Big struts.  

Author: Piet van Oostrum; CTAN location: macros/latex/contrib/supported/multirow

bits  Modular environments in \LaTeX.  

Author: Matt Swift; CTAN location: macros/latex/contrib/supported/frankenstein/unsupported
bitstrea Font metrics, and macro support in \TeX\, for the free Bitstream fonts.  
Author: unknown; CTAN location: fonts/psfonts/bitstrea

bizcard Typeset business cards.  
latex3 Author: Sebastian Marius Kirsch; CTAN location: macros/latex/contrib/supported/bizcard

blackboard A demonstration of the various blackboard bold typefaces available for \TeX\ (bbm, bbold, doublestroke, and msbm), including a PostScript file to preview them.  
Author: Olaf Kummer; CTAN location: documentation/blackboard

blkarray Extended array and tabular. A package in its early stages of development which implements an environment, blockarray, that may be used in the same way as the array or tabular environments of standard \TeX, or their extended versions defined in array.sty. If used in math-mode, blockarray acts like array, otherwise it acts like tabular. The main feature of this style is that it uses a new method of defining column types.  
Author: David Carlisle; CTAN location: macros/latex/contrib/supported/carlisle

blkcntrl Block-element hooks in \TeX. A \TeX\ package that inserts hooks into certain block elements and footnotes. Also provides a command to set block quotations one size smaller than the main text.  
Author: Matt Swift; CTAN location: macros/latex/contrib/supported/frankenstein

block A block letter style for the letter class. A style file for use with the letter class that overwrites the \texttt{\opening} and \texttt{\closing} macros so that letters can be styled with the block letter style instead of the default style. Thus, the return address, the closing, and the signature appear flushed on the left margin.  
Author: Chua Eng Huang; CTAN location: macros/latex/contrib/supported/misc

blu BLUe’s format system. A format used in ‘Publishing with \TeX’.  
Author: Kees van der Laan; CTAN location: macros/blu

blue Kees van der Laan’s BLUe format, a concise but expressive document preparation system modelled on Knuth’s manmac.  
Author: Kees van der Laan; CTAN location: macros/blu

fonts3 Kees van der Laan’s BLUe format, a concise but expressive document preparation system modelled on Knuth’s manmac.  
Author: Kees van der Laan; CTAN location: macros/blu

bluesky Computer Modern family in Type 1 format.  
Author: unknown; CTAN location: fonts/cm/ps-type1/bluesky

bm This is a package for accessing bold symbols in math mode. (Similar to the AMS \texttt{\boldsymbol} command, but taking more care over spacing, delimiters etc.).  
Author: David Carlisle; CTAN location: macros/latex/required/tools

bookhands A collection of book-hand fonts.  
Author: Peter Wilson; CTAN location: fonts/bookhands

booktabs Nicer layout of tables.  
latex3 Author: Simon Fear; CTAN location: macros/latex/contrib/supported/booktabs

borceux Diagram macros by Francois Borceux.  
Author: Francois Borceux; CTAN location: macros/generic/diagrams/borceux

graphics3 Macros for typesetting bridgediagrams.  
Author: KeesvanderLaan; CTAN location: macros/latex209/contrib/misc/bridge

bosisio A collection of packages including: dblfont; graphfig; mathcmd; mathenv; quotes; sobolev.  
Author: Francesco Bosisio; CTAN location: macros/latex/contrib/supported/bosisio

boxedminipage A package for producing boxed minipages.  
Author: Mario Wolczko; CTAN location: macros/latex/contrib/supported/misc

braille Support for braille.  
Author: William Park; CTAN location: macros/latex/contrib/supported/braille

braket Dirac bra-ket and set notation. Provides macros to typeset bra-ket notation, as well as set specifiers. Each macro comes in a fixed-size version and an expanding version.  
Author: Donald Arseneau; CTAN location: macros/latex/contrib/supported/misc

brclc Support 16-bit (double) calculations in \TeX. The following calculations are implemented: \texttt{+}, \texttt{-}, \texttt{*}, \texttt{/}, \texttt{exp}, \texttt{log}, \texttt{ln}, \texttt{sin}, \texttt{cos}, \texttt{tan}, \texttt{asinh}, \texttt{acos}, \texttt{atan}. The output can be formatted and rounded. The program brclc is a preprocessor so it must be run before you run \TeX! It is recommended using a shellscript like ‘testclc’ which does this for you. The new command \texttt{\clc{arg}} is defined. The program brclc outputs a file called \texttt{.clc} in which \TeX\ finds the definitions needed to complete the \texttt{\clc{arg}}-command. The \TeX\-commands file inclusion commands are also supported.  
Author: Bernd Radgen; CTAN location: macros/latex/contrib/supported/brclc

bridge Macros for typesetting bridge diagrams.  
latex3 Author: Kees van der Laan; CTAN location: macros/latex209/contrib/misc/bridge
brushscr  BrushScript fonts including pbsi, a Type-1 PostScript font containing BrushScript Italic characters.
fonts3   Author: Maurizio Loreti; CTAN location: fonts/brushscr
btOOL    Perl library for parsing and processing Bibtex files. Includes a C library called btparse and a perl library Text::BibTeX. Features include: robust, efficient lexical scanning and parsing of BibTeX files; excellent error detection, reporting, and recovery in the parser; full processing of BibTeX strings (macros expanded, whitespace collapsed, strings concatenated); handles all common entry types (@comment, @preamble, @string, and everything else) with ease, and gives you full access to the contents of all entry types; support for processing author names identically to BibTeX; preliminary support for imposing/enforcing a particular database structure.
Author: Maurizio Loreti; CTAN location: fonts/brushscr
bytefield Create illustrations for network protocol specifications. 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.
Author: Greg Ward; CTAN location: biblio/bibtex/utils/btOOl
latex3   Creates illustrations for network protocol specifications. 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.
Author: Greg Ward; CTAN location: biblio/bibtex/utils/btOOl
bzip2    Compression program.
Author: unknown; CTAN location: tools/bzip2
c-pascal Typeset C and Pascal programs. A \TeX macro package for easy typesetting of programs in C and Pascal. Program sources in C and Pascal can also be input.
Author: Michal Guleczynski; CTAN location: macros/generic/c_pascal
c2cweb   A utility to prettyprint C and C++ source files using cweb.
Author: Werner Lemberg; CTAN location: web/c_cpp/c2cweb
calc     Adds infix expressions to perform arithmetic in the \TeX commands \setcounter, \addtocounter, \setlength, and \addtolength.
Author: Kresten Krab Thorup and Frank Jensen; CTAN location: macros/latex/required/tools
calendar A package for calendars and timetables. Includes, for example, a package which organizes date items in a format suitable for conference schedules, itineraries, academic teaching timetables and the like.
Author: Frank Bennett; CTAN location: macros/latex/contrib/supported/calendar
calligra Calligraphic font. Calligraphic font in the handwriting style of the author, Peter Vanroose. A \TeX package for using this font is available in fundus.
Author: Peter Vanroose and Serguei Dachian; CTAN location: fonts/calligra
calrsfs  Nicer calligraphic letters.
Author: Vadim Zhytnikov; CTAN location: macros/latex/contrib/other/calrsfs
Author: Slobodan Jankovic; CTAN location: macros/latex/contrib/other/calxxxx
camel   Comprehensive bibliography manager (prototype citation engine for \TeX3). Will become Bibtex 1.0 on release. Under development.
Author: Frank Bennett; CTAN location: macros/latex/contrib/supported/camel
cancel   Place lines through maths formulae. A package to draw diagonal lines and arrows with limits through math formulas.
Author: Donald Arseneau; CTAN location: macros/latex/contrib/other/misc
capt-of  Captions on more than floats. Defines a command \captionof for putting a caption to something that’s not a float.
Author: Robin Fairbairns; CTAN location: macros/latex/contrib/other/misc
caption  Extends caption capabilities for figures and tables, such as the caption width, style, font. Many aspects are tunable as options.
Author: Harald Axel Sommerfeldt; CTAN location: macros/latex/contrib/supported/caption
caption2 Newer version of the caption package. Extends caption capabilities for figures and tables, such as the caption width, style, and font. Many aspects are tunable as options.
Author: Harald Axel Sommerfeldt; CTAN location: macros/latex/contrib/supported/caption
carlisle Miscellaneous small packages by David Carlisle.
latex2   Author: David Carlisle; CTAN location: macros/latex/contrib/supported/carlisle
cases Numbered cases environment Define numcases: math cases with equation numbers. Also define subequation numbering.
Author: Donald Arseneau; CTAN location: macros/latex/contrib/other/misc
casyl Typeset Cree/Inuktitut in Canadian Aboriginal Syllabics.
lang3 Author: Ivan A Derzhanski; CTAN location: language/casyl
catalogue A catalogue of what’s available on CTAN. The catalogue is an extensive database of many, most, and one day, maybe, all, packages available for \TeX/. It started out as an example of using Bib\TeX, but is now fully XML and XSL based. The Catalogue is best browsed online, but refer to xml-catalogue for a nice example of using xmltex. Oh, by the way, you are currently looking at the \TeX Catalogue, if you hadn’t noticed.
Author: Graham Williams; CTAN location: help/Catalogue
catdoc A filter which converts binary MS-Word files into ASCII text, optionally with some \TeX/ control sequences (for those characters, which have special meaning for \TeX).
Author: Victor Wagner; CTAN location: support/catdoc
catdvi A DVI to plain text translator. 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; this version outperforms it in some areas and is inferior to it in other areas.
Author: Antti-Juhani Kaijanaho; CTAN location: dviware/catdvi
cbgreek MetaFont source files for a complete set of Greek fonts.
fonts3 Author: Claudio Beccari; CTAN location: language/greek/cb/mf
c-cc-pl Polish extension of Computer Concrete fonts (MetaFont sources).
fonts2 Author: Boguslaw Jackowski and M. Rycko; CTAN location: language/polish
caption Continuation headings and legends for floats. A package providing commands for ‘continuation’ headings, unnumbered captions, and also a non-specific legend heading for any environment. Methods are also provided to define captions for use outside float (e.g., figure and table) environments, and to define new float environments and List of Floats.
Author: Peter Wilson; CTAN location: macros/latex/contrib/supported/ccaption
ccfonts Support for Concrete text and math fonts in \LaTeX/. \LaTeX/ font definition files for the Concrete fonts and a \LaTeX/ package for typesetting documents using Concrete as the default font family. The files support OT1, T1, TS1, and Concrete math including AMS fonts (Ulrik Vieth’s conmath).
Author: Walter Schmid; CTAN location: macros/latex/contrib/supported/ccfonts
cchess Macros and fonts for typesetting Chinese Chess board diagrams.
fonts3 Author: unknown
cdcover Typeset CD covers.
latex3 Author: Christian Holm; CTAN location: macros/latex/contrib/other/cd-cover
cdlabeler Take user text and typeset it to fit a CD label.
Author: Victor Eijkhout; CTAN location: macros/generic/eijkhout
cellular Cellular table construction.
plain3 Author: J. E. Pittman; CTAN location: macros/plain/contrib/ cellular
cep Compression tools for PostScript. Compression utilities for PostScript files, written in AWK and PostScript (gawk and GhostScript) to compress bitmap EPS files up to 10 percent of the original size. Well documented.
Author: BOP; CTAN location: support/pstools/cep
changebar Generate changebars in \LaTeX/ documents. Identify areas of text to be marked with changebars with \LaTeX/ the \obstart and \obend commands.
Author: Johannes Braams; CTAN location: macros/latex/contrib/supported/changebar
chappg Package for page numbering by chapter. Provides for chapter-no-page or chapter-name-page numbering. Provision made for front- and backmatter in book class.
Author: Robin Fairbairns; CTAN location: macros/latex/contrib/other/misc
chapterbib Separate bibliography for each \include file.
Author: Donald Arseneau; CTAN location: macros/latex/contrib/supported/cite
Support for compound numbers in chemistry documents. A \LaTeX{} style file for using compound numbers in chemistry documents. It works like \cite{} and the \thebibliography{} instead. It allows compound names in documents to be numbered and does not affect the normal citation routines.

Author: Stefan Schulz; CTAN location: macros/latex/contrib/supported/chemcono

Macros for typing chemical symbols.

Author: Mats Dahlgren; CTAN location: macros/latex/contrib/supported/chemsym

Font macros for Cherokee scripts.

Author: Alan M. Stanier; CTAN location: fonts/cherokee

Fonts for typesetting chess boards.

Author: Piet Tutelaers; CTAN location: fonts/chess

A bibliography style.

Author: Glenn Paulley; CTAN location: biblio/bibtex/contrib

A \LaTeX{} package to produce Chinese calendar symbols of the old Chinese lunisolar calendar.

Author: Udo Heyl; CTAN location: macros/latex/contrib/supported/china2e

This program catches some typographic errors \LaTeX{} overlooks, and can be viewed as Lint for \LaTeX{}.

Filters are also provided for checking the \LaTeX{} parts of \CWEB{} documents.

Author: Jens T. Berger Thielemann; CTAN location: support/chktex

Change the page layout in the middle of a document. Provides commands to change the page layout in the middle of a document (e.g., make the textblock wider or narrower, and/or longer or shorter, and/or shift it vertically or horizontally).

Author: Peter R Wilson; CTAN location: macros/latex/contrib/supported/misc

Macros for typesetting circuit diagrams. Several electrical symbols like resistor, capacitor, transistors etc., are defined. The symbols can be connected with wires.

Author: Sebastian Tannert; CTAN location: macros/generic/diagrams/circ

Provides circles in math mode that can be used for the nextstep operator of temporal logic, in conjunction with \Box{} and \Diamond{} (latexsym) or \Square{} and \lozenge{} (amssymb). \LaTeX{} circles \circ{} and \bigcirc{} are not of the right size. The circles are taken from the font lcircle10. The package contains some hacks to approximate the right size and this solution is definitely not sufficient to give a high quality output.

Author: Klaus Georg Barthelmann; CTAN location: macros/latex/contrib/other/misc

M4 Macros for Electric circuit diagrams. A set of macros for drawing high-quality electric circuits containing fundamental elements, amplifiers, transistors, and basic logic gates to include in \TeX{}, \LaTeX{}, or similar documents. Some tools and examples for other types of diagrams are also included. The macros evaluate to drawing commands in the pic language, which is very easy to understand and which has a good power/complexity ratio. Pic contains elements of a simple programming language, and is well-suited to line drawings requiring parametric or conditional components, fine tuning, significant geometric calculations or repetition, or that are naturally block structured or tree structured. The m4 and pic processors are readily available for Unix and PC machines.

Author: Dwight Aplevich; CTAN location: graphics/circuit_macros

Fonts for Cirth.

Author: Jo Grant; CTAN location: fonts/cirth

Supports compressed, sorted lists of numerical citations.

Author: Donald Arseneau; CTAN location: macros/latex/contrib/supported/cite

Support backward references in the bibliography.

Author: Olaf Maibaum; CTAN location: macros/latex/contrib/other/citerref

Fonts to go with the cjk macro package for Chinese/Japanese/Korean with \LaTeX{} 2e.

Author: Werner Lemberg; CTAN location: fonts/CJK

A macro package which enables the use of Chinese/Japanese/Korean with \LaTeX{} 2e.

Author: Werner Lemberg; CTAN location: language/chinese/CJK

Computer Modern fonts.

Author: Donald Knuth; CTAN location: fonts/cm
cmactex TEX for the Macintosh. This port of TeX for the Macintosh includes Omega and pdftex.
Author: Tom Kiffe; CTAN location: systems/mac/cmactex

cmbright Support for CM Bright fonts in \(\text{\LaTeX}\). A family of sans serif fonts for \(\text{\LaTeX}\) and \(\text{\LaTeX}\)X, based on Donald Knuth's CM fonts. It comprises OT1, T1 and TS1 encoded text fonts of various shapes as well as all the fonts necessary for mathematical typesetting, incl. AMS symbols. This collection provides all the necessary files for using the fonts with \(\text{\LaTeX}\)X.
Author: Walter Schmidt; CTAN location: fonts/cmbright

cmcyr Computer Modern fonts extended with Russian letters, in MetaFont sources and ATM Compatible.
fonts2 A family of sans serif fonts for \(\text{\LaTeX}\) and \(\text{\LaTeX}\)X, based on Donald Knuth's CM fonts. It comprises OT1, T1 and TS1 encoded text fonts of various shapes as well as all the fonts necessary for mathematical typesetting, incl. AMS symbols. This collection provides all the necessary files for using the fonts with \(\text{\LaTeX}\)X.
Author: Walter Schmidt; CTAN location: fonts/cyrillic/cmcyr

cmcyrlt Alternate Russian encoding support.
latex3 Author: Alexander Harin; CTAN location: fonts/cyrillic/cmcyrlt

cmdtrack Check used commands. Aids in the task of checking whether a command defined in a document preamble is actually used somewhere in the document. If you add a statement to use the package cmdtrack to the preamble of your document, all 'newcommand' and similar statements between that point and the beginning of the document will be marked for logging. At the end of the document a report of the command usage will be printed in the \(\text{\LaTeX}\) log, for example: mdash was used on line 25; ndash was never used.
Author: Michael Downes; CTAN location: macros/latex/contrib/supported/cmdtrack

cmextra Extra Computer Modern fonts, from the American Mathematical Society.
fonts2 Author: American Mathematical Society; CTAN location: macros/latex/base

cmolddig Virtual font setup for using old style digits. This package is a virtual font setup for using old style digits by default with the OT1 encoded Computer Modern Roman upright fonts. The eco package does the same job for the T1 encoded EC fonts and is generally much better because the EC fonts are like that; but then again, OT1 encoded cmr is available for free in TrueType and PS Type 1 formats and has its uses in PDF files as a result.
Author: Rowland McDonnell; CTAN location: fonts/cmolddig

cmpica A Computer Modern Pica variant.
fonts3 Author: Don Hosek; CTAN location: fonts/cmpica

cmps Versions of PostScript fonts, from Blue Sky and Y&Y.
Author: unknown; CTAN location: fonts/cm/ps-type1/bluesky

cmsd A package including additional fd files. Its purpose is to provide an alternative interface to the CM
latex3 Sans Serif boldface fonts. The EC (T1, Cork) encoded versions of the 'CM Sans Serif boldface extended' fonts differ considerably from the traditionally (OT1) encoded ones: At large sizes, >10pt, they have thinner strokes and are much wider. At 25pt they are hardly to be recognized as being 'boldface'. This package attempts to make these T1 fonts look like the traditional ones did. You do not need any new fonts; the package just changes the way \(\text{\LaTeX}\)X makes use of the current ones.
Author: Walter Schmidt; CTAN location: macros/latex/contrib/supported/cmsd

cmtt A package for handling the `cmtt' font better. It introduces a special encoding for the font, and provides a command which allows you to use all the characters without the disadvantages of verbatim text.
Author: Mark Wooding; CTAN location: macros/latex/contrib/supported/cmtt

cmyk-hax A \(\text{\LaTeX}\) macro package for colour manipulation (using PostScript). A set of \(\text{\LaTeX}\) macros supporting color separation and substitution using the \(\text{\LaTeX}\)/PostScript environment. Requires dvips and color-dvi.tex/sty from the standard dvips distribution. The current version enables processing of CMYK bitmaps.
Author: BOP; CTAN location: macros/latex/required/graphics

code128 A set of barcode macros for the Code 128 standard.
Author: Petr Ošášk; CTAN location: macros/generic/code128

codepage Support for variant code pages.
latex3 Author: Alain Aubord; CTAN location: macros/latex/contrib/supported/codepage

coloresep Color separation. Support for colour separation when using dvips.
dvips3 Author: Sebastian Rahtz
Shade cells of tables and \texttt{halign}. Lets you shade or color the cells in the alignment environments such as \texttt{halign} and $\LaTeX$'s \texttt{tabular} and \texttt{array} environments.

Author: Timothy Van Zandt; CTAN location: \texttt{macros/generic/colortab}

Add colour to $\LaTeX$ tables. Allows rows and columns to be coloured, and even individual cells.

Author: David Carlisle; CTAN location: \texttt{macros/latex/contrib/supported/carlisle}

Bundle individual documents into a single document. The combine class lets you bundle individual documents into a single document, such as when preparing a conference proceedings. The auxiliary combine package puts the titles and authors from \texttt{maketitle} commands into the main document’s Table of Contents. The package cooperates with the abstract and titling packages.

Author: Peter R. Wilson; CTAN location: \texttt{macros/latex/contrib/supported/combine}

Formats a number by inserting a comma. A flexible package that allows commas (or anything else) to be inserted every three digits in a number, as in 1,234.

Author: David Carlisle; CTAN location: \texttt{macros/latex/contrib/supported/carlisle}

Selectively include/exclude portions of text. Selectively include/exclude pieces of text, allowing the user to define new, separately controlled, comment versions.

Author: Victor Eijkhout; CTAN location: \texttt{macros/latex/contrib/other/comment}

Document ($\LaTeX$) programming with $\LaTeX$. Document ($\LaTeX$) programming with $\LaTeX$. A $\LaTeX$ package useful whenever writing about programming, but especially when writing about $\TeX$ and especially when used as a supplement to the \texttt{ltxdoc} class to document $\LaTeX$ macros in a literate programming style with \texttt{dtx} files.

Author: Matt Swift; CTAN location: \texttt{macros/latex/contrib/supported/frankenstein}

Concrete Math fonts. Concrete Math fonts, which were derived from Computer Modern math fonts using parameters from Concrete Roman text fonts. \texttt{(CTAN:fonts/concmath)}

Author: Ulrik Vieth; CTAN location: \texttt{macros/latex/contrib/other/concmath}

A class which provides the necessary macros to prepare a (classical) concert programme.

Author: unknown; CTAN location: \texttt{macros/latex/contrib/supported/concprog}

A wrapper to load up the appropriate packages to use the concrete fonts.

Author: Jim Hefferon; CTAN location: \texttt{macros/latex/contrib/other/misc}

Concrete Roman fonts. Concrete Roman fonts, designed by Donald E. Knuth, originally for use with Euler math fonts.

Author: Donald Knuth; CTAN location: \texttt{fonts/concrete}

A utility for OO programming documentation. Written in python it generates $\LaTeX$ code (textdraw) to draw Rumbaugh OO boxes.

Author: Manuel Gutierrez Algaba; CTAN location: \texttt{support/consdiag}

The \texttt{ConTeXt} macro package. A full featured, parameter driven macro package, which fully supports advanced interactive documents. \texttt{ppchtex} is a module that can be used to typeset chemical formulas.

Author: Hans Hagen; CTAN location: \texttt{macros/context}

Print a coloured contour around text. This package generates a colored contour around a given text in order to enable printing text over a background without the need of a color box around the text.

Author: Harald Harders; CTAN location: \texttt{macros/latex/contrib/supported/contour}

Typeset recipes.

Author: Axel Reichert; CTAN location: \texttt{macros/latex/contrib/supported/cooking}

A small perl script to install the pfb and afm files that Corel sells with their products but had to be inserted and renamed by hand.

Author: unknown; CTAN location: \texttt{fonts/psfonts/corelpak/contrib}

Set count1 to count9. A $\LaTeX$ package which sets count1 to count9, which can be used to select certain pages with a driver. Also provides access to the number of pages of the document. Uses the \texttt{evershi} package.

Author: Martin Schroeder; CTAN location: \texttt{macros/latex/contrib/supported/ms}

Linguistic support. Numerous minor $\LaTeX$ enhancements for linguistics, including multiple accents on the same letter, interline glosses (word-by-word translations), Discourse Representation Structures, and example numbering.

Author: Michael Covington; CTAN location: \texttt{macros/latex/contrib/supported/covington}
croatian Fonts for typesetting Croatian scripts.

Author: Darko Zubrinic; CTAN location: `language/croatian`

crop Support for cropmarks. A package providing corner marks for camera alignment as well as for trimming paper stacks, and additional page information on every page if required. Most macros are easily adaptable to personal preferences.

Author: Melchior Franz; CTAN location: `macros/latex/contrib/supported/crop`

crosswd Macros for typesetting crossword puzzles. Brian Hamilton Kelly’s crosswd package updated to run with \TeX\protect\textregistered{}\protect\textsuperscript{2}\varepsilon{}.

Author: Brian Hamilton Kelly and Frank Mittelbach; CTAN location: `macros/latex/contrib/other/crosswd`

cryst Font for symmetry elements in crystallography.

Author: Ulrich Mueller; CTAN location: `fonts/cryst`

csfonts Czech/Slovak-tuned MetaFont Computer Modern fonts.

Author: unknown

cslatex L\TeX\protect\textsuperscript{2}\protect\textregistered{} support for Czech/Slovak typesetting.

Author: unknown

csplain Plain \TeX\protect\textsuperscript{2} support for Czech/Slovak typesetting.

Author: unknown

cspfonts Czech and Slovakian PostScript fonts.

Author: unknown

cstug No description available.

csstug Documentation for the CS/CSX documents on MS-DOS. Documentation for the CS/CSX 8-bit transliteration scheme, \TeX\protect\textsuperscript{2}\protect\textregistered{}\protect\textsuperscript{2}\varepsilon{} input encoding definition file, and screen drivers for viewing CS/CSX documentation on DOS boxes.

Author: Anshuman Pandey; CTAN location: `fonts/cs`

cstib4tex Tibetan for \TeX{} and \TeX\protect\textsuperscript{2}\protect\textregistered{}\protect\textsuperscript{2}\varepsilon{}. A package using a modified version of Sirlin’s Tibetan font. An advantage of this Tibetan implementation is that all consonant clusters are formed by \TeX{} and Metafont. No external preprocessor is needed.

Author: Oliver Corff; CTAN location: `language/tibetan/stib`

currvita Package for typesetting a curriculum vitae.

Author: Axel Reichert; CTAN location: `macros/latex/contrib/supported/currvita`

cursor Creates a simple L-shaped ‘cursor’ in a math environment to mimic what one might see on a computer screen.

Author: Piet van Oostrum; CTAN location: `macros/latex/contrib/supported/cursor`

curves Curves for \TeX\protect\textsuperscript{2} picture environment Draws curves in the standard \TeX\protect\textsuperscript{2} picture environment using parabolas between data points with continuous slope at joins. For circles and arcs uses up to 16 parabolas. Also draws symbols or dash patterns along curves. Equivalent to technical pens with compasses and French curves. Curves consist of short secants drawn by overlapping disks or line drawing \texttt{\specials{}} selected by package options.

Author: Ian Maclaine-cross; CTAN location: `macros/latex/contrib/supported/curves`

custom-bib Customised \TeX\protect\textsuperscript{2} bibliography styles. Package generating customized \TeX\protect\textsuperscript{2} bibliography styles from a generic file using docstrip. Includes support for the Harvard style.

Author: Patrick W. Daly; CTAN location: `macros/latex/contrib/supported/custom-bib`

cwebbin CWEB for ANSI-C/C++ compilers on UNIX/Linux, MS-Windows, and Amiga. A highly portable and slightly extended version of cweb for Unix, MS-Windows32, and Amiga (and possibly other operating systems). \TeX{} macros and CWEB macros are provided for German, French, and Italian program documentation on any machine. Comes with binaries. Note that the file cwebbin-p14.tar.gz contains Amiga binaries that are not found in later versions.

Author: Andreas Scherer; CTAN location: `web/c_cpp/cwebbin`

cweb-hy Insert hyperlinks for included files.

Author: Enrique Melendez; CTAN location: `macros/latex/contrib/supported/cweb/contrib/cweb-hy`
cwebx A system for Structured Software Documentation in C. The CWEBx system is a system for Structured Software Documentation (also known as Literate Programming) in the programming language C. It is a derivative of the CWEB system by Sylvio Levy and Donald E. Knuth, who originally conceived the idea of Literate Programming; CWEBx is a compatible extension of CWEB.

Author: Marc van Leeuwen; CTAN location: web/c_cpp/cwebx

cwpuzzle Typeset crossword puzzles.

Author: Gerd Neugebauer; CTAN location: macros/latex/contrib/other/gene/crossword
cypriot A script which was used on Cyprus for writing Greek. The cypriot package provides a Metafont version of a syllabic script which was used on Cyprus for writing Greek. The script was in use between approximately the tenth and third centuries BC. It is one in a series of archaic fonts.

Author: Peter Wilson; CTAN location: fonts/archaic/cypriot
cyrillic Cyrillic support.

Author: unknown
cyrtug The CyrTUG distribution for emTeX.

Author: Michel Goossens; CTAN location: systems/msdos/emtex-contrib/cyrtug
czech Typeset Czech documents.

Author: unknown; CTAN location: macros/latex/required/babel
dancers Font for the Sherlock Holmes 'Dancing Men'.

dfonts3 Author: Alan M. Stanier; CTAN location: fonts/dancers
dante-src Contains the source code for a \TeX installation under UNIX (\TeX, current release of \LaTeXe, MetaFont, Bf\TeX, MakeIndex, drivers for X11, HP LaserJet and PostScript).

Author: unknown; CTAN location: systems/unix/dante-src
dates Macros for parsing date strings.

Author: Frank Bennett; CTAN location: macros/latex/contrib/supported/dates
dblfont A package intended for generating commands that print letters in the blackboard-bold font (which is often used for the numerical sets, for example).

Author: Francesco Bosisio; CTAN location: macros/latex/contrib/supported/bosisio
dbprocess Parse the output from a database, delimited by either a tab or comma, and apply a user-defined macro to each line.

Author: Victor Eijkhout; CTAN location: macros/generic/eijkhout
dcolumn Align on the decimal point of numbers in tabulars.

Author: David Carlisle; CTAN location: macros/latex/required/tools
dcounter Supports dynamic counters. Counters declared as dynamic are created at the time of their first use and they receive at that moment the count style which was established by the \countstyle command. The special use of the \countstyle command with an optional parameter allows the modification of the subordination of existing counters.

Author: A. I. Rozhenko; CTAN location: macros/latex/contrib/supported/ncctools
default A style to help provide default parameters for \TeX macros.

Author: Zhuhan Jiang; CTAN location: macros/generic
delarray Delimiters for arrays. Add delimiters (parentheses etc.) around arrays (nesting brackets are automatically inserted).

Author: David Carlisle; CTAN location: macros/latex/required/tools
deleq Flexible numbering of equations. Provides a more flexible numbering of equations, subequations, and ‘recycled’ equations, including ‘partial’ equation numbers (‘3a’, ‘3b’, etc.).

Author: Mats Dahlgren; CTAN location: macros/latex/contrib/supported/deleq
delmtxt Read and parse text tables. This experimental package can read and parse text tables delimited by user-defined tokens (e.g., tab). It can be used for serial letters and the like, making it easier to export the data file from MS-Excel/MS-Word.

Author: Bjoern Pedersen; CTAN location: macros/latex/exptl/delmtxt
devanagari Typesetting Devanagari. Frans Velthuis' preprocessor for Devanagari text, and fonts and macros to use when typesetting the processed text.

Author: Anshuman Pandey, Frans Velthuis, John Smith, Dominik Wujastyk and François Patte; CTAN location: language/devanagari
dialogl Macros for constructing interactive \Bt\TeX scripts.

latex3 Author: unknown; CTAN location: macros/latex/contrib/supported/dialogl
dialogue  Quote short scripted dialogue in \LaTeX. A \LaTeX package defining the dialogue environment for citing short passages of scripted dialogue.
Author: Matt Swift; CTAN location: macros/latex/contrib/supported/frankenstein

dichokey  Construct dichotomous identification keys. The package can be used to construct dichotomous identification keys (used especially in biology for species identification), taking care of numbering and indentation of successive key steps automatically. Run the example file!
Author: Nico Dam; CTAN location: macros/latex/contrib/supported/dichokey

dinanat  Bibliography style for German texts. Bibliography style files intended for texts in german. They draw up bibliographies in accordance with the german DIN 1505, parts 2 and 3. For more information see the included documentation.
Author: Helge Baumann; CTAN location: biblio/bibtex/contrib/german/dinat


dinbrief  German letter DIN style. Implements a document layout for writing letters according to the rules of DIN (Deutsches Institut für Normung, German standardization institute). A style file for \LaTeX 209 (with limited support of the features) is part of the package. Since the letter layout is based on a German standard, the user guide is written in German, but most macros have English names from which the user can recognize what they are used for. In addition there are example files showing how letters may be created with the package.
Author: Klaus Dieter Braune and Richard Gussmann; CTAN location: macros/latex/contrib/supported/dinbrief

directory  Address book. A package for \LaTeX and Bib\TeX that facilitates the construction, maintenance and exploitation of an address book-like database.
Author: Christophe Geuzaine; CTAN location: biblio/bibtex/contrib/directory

dn2  Fixes for devanagari. A pre-processor to fix problems with using devanagari font with German language extensions.
Author: Klaus-J. Wolf; CTAN location: language/devanagari/contrib/dn2

doc  Format \LaTeX documentation. Contains the definitions that are necessary to format the documentation of package files (Literate \LaTeX) which incorporate both the documentation and the code.
Author: Frank Mittelbach; CTAN location: macros/latex/base

docmfp  Document non-\LaTeX code. Extends the doc package to cater for documenting non-\LaTeX code, such as MetaFont or MetaPost, or other programming languages.
Author: Peter Wilson; CTAN location: macros/latex/contrib/supported/docmfp

docstrip  Remove comments from file. Makes a package documentation file smaller by removing comments and other sections of the document conditionally.
Author: \LaTeX Project Team; CTAN location: macros/latex/base

dotlessi  Provides dotless i’s and j’s for use in any math font.
Author: Javier Bezos; CTAN location: macros/latex/contrib/supported/bezos

dotlessj  Generates a dot-less j.
Author: David Carlisle; CTAN location: macros/latex/contrib/supported/carlisle

dotseqn  Flush left equations with dotted letters to the numbers.
Author: Donald Arseneau; CTAN location: macros/latex/contrib/other/dotseqn

doublestroke  A font based on Computer Modern Roman useful for typesetting the mathematical symbols for the natural numbers (N), whole numbers (Z), rational numbers (Q), real numbers (R) and complex numbers (C).
Author: Olaf Kummer; CTAN location: fonts/doublestroke

draftcopy  Identify draft copies. Places the word DRAFT (or other words) in light grey diagonally across the background (or at the bottom) of each (or selected) pages of the document.
Author: Juergen Vollmer; CTAN location: macros/latex/contrib/supported/draftcopy

drafthead  Prints a header on each page including date and time and the string DRAFT.
Author: Stephen Page; CTAN location: macros/latex209/contrib/misc

drama  Production-style stage script in \LaTeX. A \LaTeX package that defines macros for typesetting a basic production-style stage script. This package is useful but may have problems and is unsupported.
Author: Matt Swift; CTAN location: macros/latex/contrib/supported/frankenstein/unsupported

dratex  General drawing macros entirely in \TeX.

drastex  General drawing macros entirely in \TeX.


draftcopy  Identify draft copies. Places the word DRAFT (or other words) in light grey diagonally across the background (or at the bottom) of each (or selected) pages of the document.
Author: Juergen Vollmer; CTAN location: macros/latex/contrib/supported/draftcopy

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Author: Matt Swift; CTAN location: macros/latex/contrib/supported/frankenstein/unsupported

dratex  General drawing macros entirely in \TeX.

drastex  General drawing macros entirely in \TeX.
drftcite  Print the tags instead of the numbers for \cite and \bibitem.
Author: unknown; CTAN location: macros/latex/contrib/supported/cite
dropcaps Use dropped capitals to start a paragraph.
Author: Fred Lauwers; CTAN location: macros/latex209/contrib/dropcaps
dropping Drop first letter of paragraphs. A \LaTeX\ 2e macro for dropping the first character(s) (or word(s)) of
a paragraph, extending the \LaTeX\ 2.09 package dropcaps and automatically taking care of finding the
font name.
Author: Mats Dahlgren; CTAN location: macros/latex/contrib/other/dropping
dstroke Doublestroke font for typesetting the mathematical symbols for the natural numbers (N), whole numbers
(\mathbb{Z}), rational numbers (Q), real numbers (R) and complex numbers (C).
Author: Olaf Kummer
duerer Computer Duerer fonts.
\texttt{fonts3} ComputerDuererfonts.
\texttt{fonts3} ComputerDuererfonts.
\texttt{fonts3} ComputerDuererfonts.
dvgtk A DVI file previewer for Tektronix 4010 terminal emulators like Kermit, CONEX, or NCSA Telnet, using
the Kpathsea library.
Author: Tomasz J. Cholewo; CTAN location: dviware/dvgtk
dvi2bitmap Utility to convert \LaTeX\ DVI files directly to bitmaps. A utility to convert \LaTeX\ DVI files directly to
bitmaps, without going through the complicated (and slow!) route of conversion via PostScript and
PNM. The prime motivation for this is to prepare mathematical equations for inclusion in HTML files
but there are many other uses beyond that. It can generate XBM and GIF bitmaps, plus PNG, if you
have the libpng library installed. It uses the same kpathsea font-searching library as other \TeX\ programs,
again as long as you have the appropriate font installed. The program is written in C++, and
incidentally provides a good object interface for DVI and PK files.
Author: Norman Gray; CTAN location: dviware/dvi2bitmap
dvi2tty Produce ASCII from DVI. A DVI driver to produce an ASCII representation of the document. The
patch file \texttt{dvi2tty.patch} fixes a string termination bug which affects some systems (most notably
Linux) and cleans up the Makefile.
Author: Svante Lindahl; CTAN location: dviware/dvi2tty
dvichk List the page numbers in a DVI file.
Author: Thomas Esken; CTAN location: dviware/dvichk
dviconcat Concatenates dvi files.
Author: unknown; CTAN location: dviware/dvibook/Dviconcat
dvicopy Copy and concatenate DVI files.
Author: unknown; CTAN location: dviware/dvicopy
dvii Extract information from a DVI file. A utility written in C that extracts information from a \TeX\ dvi file. Information displayed can include a summary of File comment (usually the date file was
compiled), file size, number of (physical) pages, and number of fonts. More detailed information can
also be displayed, including font names for all fonts used, list of physical page number/\TeX\ page number
pairs, and a list of all \texttt{\specials} and the page on which they appear. To compile, you need to have a
C compiler along with the standard C libraries (e.g., gcc on DOS or Unix).
Author: Adam Lewenberg; CTAN location: dviware/dvii
dviincl A tiny package for including a DVI page into the EPS files generated by METAPOST. One of
the auxiliary programs belonging to every METAPOST package is DVItoMP, converting a DVI into
a METAPOST file. Hence the idea (due to Piotr Bolek and Marcin Woźniński) of including a DVI page
into the EPS files generated by METAPOST. MPX file produced by DVItoMP is then processed by
METAPOST with an auxiliary file.
Author: BOP; CTAN location: \texttt{graphics/metapost/macros/dviincl}
dviljk A dvi driver for the LaserJet printers with recursive file searching.
Author: unknown; CTAN location: dviware/dviljk
dviout \LaTeX\ previewer and printer driver for MS-Windows.
Author: Oshima Toshio; CTAN location: dviware/dviout
dvipaste DVI manipulation. A program designed to produce files that conform to the \TeX\ specifications for
dvi files, even though they may actually be too big to be produced with normal implementations of
\TeX\ (because of limitations on memory size). More particularly, it allows the material appearing on
individual pages of a 'secondary' file to be inserted into a 'main' file.
Author: unknown; CTAN location: macros/lamstex/dvipaste
<table>
<thead>
<tr>
<th>Package</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>dvipdfm</td>
<td>A dvi driver to produce PDF directly. Author: Mark A. Wicks; CTAN location: dviware/dvipdfm</td>
</tr>
<tr>
<td>doc2</td>
<td>OS2 (and hence MS-DOS, MS-Windows3.1, MS-Windows32) executable for dvips. Author: Wonkoo Kim; CTAN location: systems/os2/dviware/dvips</td>
</tr>
<tr>
<td>dvips-os2</td>
<td>A dvips Shell for MS-Windows32. Author: unknown; CTAN location: systems/win32/util</td>
</tr>
<tr>
<td>dvips</td>
<td>A dvi to PostScript driver. Author: Tom Rokicki; CTAN location: dviware/dvips</td>
</tr>
<tr>
<td>dviwin</td>
<td>MS-Windows DVI screen and printer driver. Author: unknown; CTAN location: dviware/dviwin</td>
</tr>
<tr>
<td>dvipsdoc</td>
<td>No description available.</td>
</tr>
<tr>
<td>dvips2</td>
<td>A (now standard) version of dvips with support for recursive directory searching. Author: unknown; CTAN location: dviware/dvips2</td>
</tr>
<tr>
<td>dvipsk</td>
<td>A (now standard) version of dvips with support for recursive directory searching. Author: unknown; CTAN location: dviware/dvipsk</td>
</tr>
<tr>
<td>dvipsconf</td>
<td>Collection of dvips PostScript headers. This is a collection of dvips PostScript header and dvips config files. They control certain features of the printer, including: A4, A3, usletter, simplex, duplex / long edge, duplex / short edge, screen frequencies of images, black/white invers, select transparency / paper for tektronix 550/560, manual feeder, envelope feeder, and tray 1, 2 and 3, and printing a PostScript grid underneath the page material - very useful for measuring and eliminating paper feed errors! Author: Volker Kuhlmann; CTAN location: dviware/dvipsconf</td>
</tr>
<tr>
<td>dvipsdoc</td>
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<tr>
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</tr>
<tr>
<td>ean</td>
<td>Font for making EAN barcodes. Author: unknown; CTAN location: dviware/dvwin</td>
</tr>
<tr>
<td>generic3</td>
<td>A collection of “easy” to use macros. Author: unknown; CTAN location: macros/generic/ean</td>
</tr>
<tr>
<td>easy</td>
<td>A collection of “easy” to use macros. Author: unknown; CTAN location: macros/latex/contrib/supported/easy</td>
</tr>
<tr>
<td>easybib</td>
<td>Simple syntax for custom bibliographies. A macro package for writing custom bibliographies with a simple AMS-\TeX-like syntax. Author: Enrico Bertolazzi; CTAN location: macros/latex/contrib/supported/easy</td>
</tr>
<tr>
<td>easybmat</td>
<td>Block matrices. A simple package for writing block matrices with equal column widths or equal rows heights or both, with various kinds of rules between rows and columns. Author: Enrico Bertolazzi; CTAN location: macros/latex/contrib/supported/easy</td>
</tr>
<tr>
<td>easyeqn</td>
<td>A simple package for writing equations. Introduces some equation environments that simplify writing of equations. It uses a syntax similar to the array environment to define the column alignment. A package option causes only those equations that were labeled and referenced to be numbered. A set of macros for typesetting is also added. Author: Enrico Bertolazzi; CTAN location: macros/latex/contrib/supported/easy</td>
</tr>
<tr>
<td>easymat</td>
<td>A simple package for writing matrices. Treats a matrix as an array enviroment with more kinds of lines and reentrant. Author: Enrico Bertolazzi; CTAN location: macros/latex/contrib/supported/easy</td>
</tr>
<tr>
<td>easytable</td>
<td>A simple package for writing tables. Supports tables with equal column widths or equal rows heights or both, with various kinds of rules (lines) between rows and columns using an array/tabular-like syntax. Author: Enrico Bertolazzi; CTAN location: macros/latex/contrib/supported/easy</td>
</tr>
<tr>
<td>easyvector</td>
<td>Write vectors in a C-like fashion. Author: Enrico Bertolazzi; CTAN location: macros/latex/contrib/supported/easy</td>
</tr>
</tbody>
</table>
ec-plain A plain-like format using the ec fonts including an extended math italic font (exmi) providing upright greek letters.
Author: Joerg Knappen; CTAN location: macros/ec-plain

ec The European Computer Modern Fonts supporting the complete \LaTeX{} T1 encoding defined at the 1990 TUG conference held at Cork/Ireland. These fonts are intended to be stable with no changes being made to the tfm files. Also contains a Text Companion Symbol font, called tc, featuring many useful characters needed in typesetting, for example oldstyle digits, currency symbols (including the newly created Euro symbol), the permille sign, copyright, trade mark and servicemark as well as a copyright sign, and many others. Recent releases of $\LaTeX{}2\epsilon$ support the ec fonts. The ec fonts supersede the preliminary version released as the dc fonts.
Author: Joerg Knappen, Mainz; CTAN location: fonts/jknappen/ec

ecc Sources for the European Concrete fonts. The MetaFont sources and ttf files of the European Concrete Fonts. This is the EC implementation of Knuth’s Concrete fonts, including also the corresponding text companion fonts.
Author: Walter Schmidt; CTAN location: fonts/ecc

ecltree No description available.
latex3 Author: Hideki Isozaki

eco Font metric files and virtual fonts for ec fonts. A set of font metric files and virtual fonts for using the ec fonts with oldstyle numerals. These files can only be used together with the standard ec fonts. The style file eco.sty is sufficient to use the eco fonts but if you intend to use other font families as well, e.g., PostScript fonts, try altfont.
Author: Sebastian Marius Kirsch; CTAN location: fonts/eco

ecpk No description available.
fonts3 Author: unknown

edmac A macro package for typesetting scholarly critical editions.
plain3 Author: unknown; CTAN location: macros/plain/contrib/edmac

epic Extensions to epic and the \LaTeX{} drawing tools. Extensions to epic and the \LaTeX{} picture drawing environment, including the drawing of lines at any slope, the drawing of circles in any radii, and the drawing of dotted and dashed lines much faster with much less \TeX{} memory, and providing several new commands for drawing ellipses, arcs, splines, and filled circles and ellipses.
Author: Conrad Kwok; CTAN location: macros/latex/contrib/other/eepic

eplot A package to encapsulate gnuplot commands in a \LaTeX{} source file and thus include figures generated with gnuplot.
latex3 Author: Axel Probst; CTAN location: macros/latex/contrib/supported/eplot
eiad Macros and EIAD fonts.
fonts3 Author: unknown; CTAN location: fonts/eiad
eijkhout Several unrelated packages: DBprocess, to parse and process database output; CDlabeler, to typeset user text to fit on a CD label; repeat.tex, a nestable, generic loop macro.
Author: Victor Eijkhout; CTAN location: macros/generic/eijkhout
elsevier Preprint style for Elsevier Science journals.
latex3 Author: unknown; CTAN location: macros/latex/contrib/supported/elsevier
elvish A package for typesetting Tolkien Elvish script.
fonts3 Author: Julian Bradfield; CTAN location: fonts/elvish
emp A package for encapsulated MetaPost pictures in \LaTeX{}. Useful for keeping illustrations in sync with the text. It also frees the user from inventing descriptive names for PostScript files that fit into the confines of file system conventions.
Author: unknown; CTAN location: macros/latex/contrib/supported/emp
emtex-os2 A \TeX{} system for OS/2.
Author: unknown; CTAN location: systems/os2/emtex
emtex A \TeX{} system for MS-DOS.
Author: unknown; CTAN location: systems/msdos/emtex
emtexgi A MS-Windows interface to emTeX.
Author: Allin Cottrell; CTAN location: systems/msdos/emtex-contrib/emtexgi
emtextds \TeX{} for OS2. An emtext-based \TeX{} system for OS2 with a TDS-compliant directory structure. The distribution contains a full texmf directory tree. It comes with an installation script that sets up a comprehensive, ready-to-run (\LaTeX{}) \TeX{} system, including full PostScript support.

Author: Walter Schmidt; CTAN location: \texttt{systems/os2/emtext-contrib/emtextTDS}

emulateapj \LaTeX{} style files to produce preprints with the page layout similar to that of the Astrophysical Journal.

Author: Maxim Markevitch; CTAN location: \texttt{macros/latex/contrib/supported/emulateapj}

encodings No description available.

distrib Author: unknown

draw A \TeX{} macro for drawing.

Author: unknown; CTAN location: \texttt{macros/latex/contrib/other/misc}

endfloat Move floats to the end with markers where they belong. Place all figures on pages by themselves at the end of the document with markers like “\lq\lq Figure 3 about here\rq\rq; appearing in the text (by default) near to where the figure (or table) would normally have occurred.

Author: Jeffrey Goldberg; CTAN location: \texttt{macros/latex/contrib/supported/endfloat}

draw A \TeX{} package to draw.

Author: unknown; CTAN location: \texttt{fonts/engwar}

enumerate Adds an optional argument to the enumerate environment which determines the style in which the counter is printed.

Author: David Carlisle; CTAN location: \texttt{macros/latex/required/tools}

evbig Printing addresses on envelopes.

Author: unknown; CTAN location: \texttt{macros/latex/contrib/other/evbig}

enlab Facilitates addressing envelopes or mailing labels. A \LaTeX{} package for producing mailing envelopes and labels, including barcodes and address formatting according to the US Postal Service rules. Redefines the standard \texttt{makelabels} command of the \LaTeX{} letter document class.

Author: Boris Veytsman; CTAN location: \texttt{macros/latex/contrib/supported/enlab}

epic A \TeX{} package enhancing \LaTeX{}‘s picture mode.

Author: Sunil Podar; CTAN location: \texttt{macros/latex/contrib/other/ePIC}

epigraph A \TeX{} package for typesetting epigraphs. Epigraphs are the pithy quotations often found at the start (or end) of a chapter. Both single epigraphs and lists of epigraphs are catered for. Various aspects are easily configurable.

Author: Peter Wilson; CTAN location: \texttt{macros/latex/contrib/supported/epigraph}

epin Simple but powerful extended version of the plain format, adding support for bibliographies, tables of contents, enumerated lists, verbatim input of files, numbered equations, tables, two-column output, footnotes and commutative diagrams.

Author: Karl Berry; CTAN location: \texttt{macros/latex/contrib/other/epin}

epmfe \TeX{} environment for OS2. The EPM \TeX{} Front End is an additional module for the OS2 ‘Enhanced Editor’ (EPM), v6.03, turning the editor into a powerful integrated \TeX{} environment that can be used in conjunction with em\TeX{} or another OS2 \TeX{} system.

Author: Walter Schmidt; CTAN location: \texttt{systems/os2/epmfe}

epsf Include Encapsulated PostScript in \LaTeX{} documents. Superseded by the \texttt{e\TeX{}} graphics package.

Author: Sebastian Rahtz; CTAN location: \texttt{macros/latex/required/graphics}

epsfview AppleScript tool (for Mac) for viewing figures generated with MetaPost.

Author: Javier Bezos; CTAN location: \texttt{systems/mac}

epsf A \TeX{} macro package for including EPS graphics (a replacement of epsf.tex/sty). An alternative for epsf.tex/sty dvips macros; enables, e.g., draft printing of bounding boxes, safe inputting of EPS files generated by dvips; moreover, the limit on an EPS size is no longer ten times smaller than the \TeX{} one.

Author: BOP; CTAN location: \texttt{macros/generic/TeX-PS}

epsincl The package facilitates including EPS files in METAPOST documents; it makes use of (G)AWK.

Author: BOP; CTAN location: \texttt{graphics/metapost/macros/epsincl}

epslatex guide to using Encapsulated PostScript in \LaTeX{}.

An extensive document which explains how to use Encapsulated PostScript (EPS) files in \LaTeX{} documents. Includes explanations of Bounding Boxes, and more.

Author: Keith Reckdahl; CTAN location: \texttt{info}
epstopdf  Convert eps to encapsulated pdf using gs. Converts EPS files to encapsulated PDF files and is written based on the perl script ‘epstopdf’ by Sebastian Rahtz. It is written in C and does not require perl. However, it does require ghostscript. A compiled version for Windows 95/98/NT is included in the package. Since the sources are included, it can be ported to any system having a C-compiler.

Author: Juergen Bausa; CTAN location: support/epstopdf

eqname  Style for different equation numbering.

latex3  Author: unknown; CTAN location: macros/latex/contrib/other/gene/eqname
eqnarray  More generalised equation arrays with numbering.

latex3  Author: unknown; CTAN location: macros/latex/contrib/supported/eqnarray
esieecv  Curriculum vitae for French.

latex3  Author: unknown; CTAN location: macros/latex/contrib/supported/ESIEEcv
esindex  Typeset index entries in Spanish documents.

Author: Javier Bezos; CTAN location: macros/latex/contrib/supported/bezos
eso-pic  A package to add picture commands (or backgrounds) to every page.

Author: Rolf Niepraschk; CTAN location: macros/latex/contrib/supported/ms/contrib

et  A program to edit \TeX\ files in a semi-WYSIWYG fashion on IBM-type PC’s.

Author: John Collins; CTAN location: support/et
etexbase  No description available.

etex2  Author: unknown
ethiop  Ethiopian language support for the babel package, including a collection of fonts and \TeX\ macros for typesetting the characters of the languages of Ethiopia, with fonts based on Eth\TeX\ originally distributed by Abass B. Alamehe.

Author: Olaf Kummer; CTAN location: language/ethiopia/ethiop
etruscan  Fonts for the Etruscan script. The Etruscan script was in use between approximately 1000 BC to 100 AD. The font comes in mirrored forms suitable for writing either left-to-right or right-to-left (as the Etruscans did).

Author: Peter Wilson; CTAN location: fonts/archaic/etruscan
euler  Provides a setup for using the AMS Euler family of fonts for math in \LaTeX\ documents. “The underlying philosophy of Zapf’s Euler design was to capture the flavor of mathematics as it might be written by a mathematician with excellent handwriting.” [concrete-tug] The euler package is based on Knuth’s macros for the book “Concrete Mathematics”. The text fonts for the Concrete book are provided by the beton package.

Author: Frank Jensen; CTAN location: macros/latex/contrib/supported/euler
eulervm  Euler virtual math fonts. The well-known Euler math fonts are suitable for typesetting math in conjunction with a variety of text fonts which do not provide math character sets of their own. EulerVM is a set of virtual math fonts based on Euler and CM. This approach has several advantages over immediately using the real Euler fonts: Most noticeably, less \TeX\ resources are consumed, the quality of various math symbols is improved and a usable \textbackslash\textasciitilde\symbol can be provided. The virtual fonts are accompanied by a \LaTeX\ package which makes them easy to use, particularly in conjunction with Type1 PostScript text fonts.

Author: Walter Schmidt; CTAN location: fonts/eulervm

euro  Arbitrary national currency amounts using the Euro as base unit. Converts arbitrary national currency amounts using the Euro as base unit, and typesets monetary amounts in almost any desired way. Write, e.g., \texttt{\textbackslash ATS\{17.6\}} to get something like ‘17,60 öS (1.28 Euro)’ automatically. Conversion rates for the so-called Euro-zone countries are already built-in. Further rates can be added easily.

Author: Melchior Franz; CTAN location: macros/latex/contrib/supported/euro
eurofont Provides a command that prints a euro symbol. The particular symbol printed by \euro will in general change depending on the font family, weight, and shape in use at the time. This symbol can come from any source, and the package user has complete control over which euro symbol is used in any given situation. The package is pre-configured to behave sensibly with many common text fonts and available euro symbols. The \euro command can print ‘faked’ euro symbols from a C with two lines across it when no suitable real euro symbol is available; the package also includes code for printing fake bold euro symbols for use when no real bold symbol exists, as well as pre-configured support for a faked italic version of the marvosym font. Eurofont comes set up to use euro symbols from Adobe’s Eurofonts, the marvosym font, the Eurosym font, and any available Text Companion fonts. The selection between these can be done using options passed to the package. The eurofont package knows about the China2e font’s euro symbol, and can be configured to use it.

Author: Rowland McDonnell; CTAN location: macros/latex/contrib/support/eurofont

europs Access to Adobe’s Euro currency symbol fonts. Provides access to Adobe’s Euro currency symbol fonts from \TeX. The fonts are named using Karl Berry’s naming scheme, providing \tex files and a style file to use the fonts directly, and providing four macros: \EURtm, \EURhv, \EURcr and \EUR (from marvosym). The actual symbol they produce depends on the currently active font, i.e., they follow font changes caused by \text.. and other NFSS commands. The actual fonts are not included as they have to be fetched from Adobe’s web or ftp server.

Author: Joern Clausen; CTAN location: fonts/euro/latex/neurops
expdlist Expanded description environments. The expanded description environment provides additional features to the \LaTeX\ description environment. It supports changing the left margin. With \texttt{\lstpart} there is a new command available which makes it possible to break a list for a comment without touching any counters.

Author: Wolfgang Kaspar; CTAN location: macros/latex/contrib/supported/expdlist

exp3 Experimental packages to allow experienced \TeX\ programmers to experiment with, and comment on, a proposed set of syntax conventions and basic data-types that might form the basis for programming large scale projects in \TeX\.

Author: unknown; CTAN location: macros/latex/exptl/project/exp3

export Import and export values of \LaTeX\ registers. This package allows the user to export/import the values of \LaTeX\ registers (counters, rigid and rubber lengths only). It is definitely NOT for faint-hearted users.

Author: Jean-Pierre Drucbert; CTAN location: macros/latex/contrib/supported/export

expressg Diagrams consisting of boxes, lines, and annotations. A MetaPost package providing facilities to assist in drawing diagrams that consist of boxes, lines, and annotations. Particular support is provided for creating EXPRESS-G diagrams. Examples include IDEF1X, OMT, Shlaer-Mellor, and NIAM diagrams.

Author: Peter Wilson; CTAN location: graphics/metapost/contrib/macros/expressg

exscale Implemenets scaling of the ‘cmex’ fonts.

Author: Frank Mittelbach and Rainer Schöpf; CTAN location: macros/latex/base

extdash Implements the commands \texttt{\textbackslash hypdash}, \texttt{\textbackslash Endash}, \texttt{\textbackslash Em dash}, and their *-forms, to control hyphenation of compound words and ordinary words dashed by em-dash. You can also use the shortcuts \texttt{-/-}, \texttt{-/\-, \textbackslash ===, \textbackslash ---}, and \textbackslash === instead.

Author: A. I. Rozhenko; CTAN location: macros/latex/contrib/supported/nctools

extsizes Extends article and report with extra sized fonts. Provides classes extarticle and extreport, extletter, extbook, extproc which allow for documents with a base font of size 8–20pt.

Author: Wolfgang May and James Kilfiger; CTAN location: macros/latex/contrib/supported/ncctools

fancybox Provides variants of \texttt{\textbackslash shadowbox}, \texttt{\doublebox}, \texttt{\ovalbox, \Ovalbox}, with helpful tools for using box macros and flexible verbatim macros. You can box mathematics, floats, center, flushleft, and flushright, lists, and pages.

Author: unknown; CTAN location: macros/latex/contrib/supported/fancybox

fancyhdrBoxed Page headers for the documentation of Software Engineering Projects. Easy and fast creation of page headers for the documentation of Software Engineering Projects, using a mini language implemented in python that generates \TeX\ code that is embedded in fancyhdr headers.

Author: Manuel Gutierrez Algaba; CTAN location: support/fancyhdrBoxed

fancyhdr Extensive control of page headers and footers in \LaTeX\.

Author: Piet van Oostrum; CTAN location: macros/latex/contrib/supported/fancyhdr

fancynum Typeset numbers. A \LaTeX\ package for typesetting numbers, in particular those numbers written by computers.

Author: J. J. Green; CTAN location: macros/latex/contrib/supported/fancynum

fancyref A \LaTeX\ package for fancy cross-referencing.

Author: Axel Reichert; CTAN location: macros/latex/contrib/supported/fancyref

fancyvrb Sophisticated verbatim text. Sophisticated handling of verbatim text including: verbatim commands in footnotes; a variety of verbatim environments with many parameters; ability to define new customized verbatim environments; save and restore verbatim text and environments; write and read files in verbatim mode; build “example” environments (showing both result and verbatim text).

Author: Timothy Van Zandt, Denis Girou and Sebastian Rahtz; CTAN location: macros/latex/contrib/supported/fancyvrb

faq The UK \TeX\ Users Group Frequently Asked Questions.

Author: Robin Fairbairns; CTAN location: usergrps/uktug/faq

fax Document class for preparing faxes.

Author: J. B. Riehbergen and J. H. M. de Jonge; CTAN location: macros/latex/contrib/supported/fax

fc Fonts for African languages, complementary to Computer Modern.

Author: Joerg Knappen, Mainz; CTAN location: fonts/jknappen/fc
fepslatex | French version of esplatex.  
Author: Jean-Pierre Drucbert;  
CTAN location: info

gfeynmf | Macros and fonts for creating Feynman (and other) diagrams.  
Author: Thorsten Ohl;  
CTAN location: macros/latex/contrib/support/feynmf

fiyph | Hyphenation patterns for Finnish language.  
This is modified from fiyph.txt to make the Finnish accented letters to work with \input{\texttt{\TeX}}\texttt{2e}, adding some \texttt{\catcode}, \texttt{\uccode}, and \texttt{\lccode} commands after the model used in the hyphenation files for the other European languages.  
Author: Timo Hellgren;  
CTAN location: language/hyphenation

filehdr | A collection of tools to support \texttt{\LaTeX} style format for file/package descriptions.  
Author: unknown;  
CTAN location: tools/filehdr

finbib | No description available.  
Author: unknown

bibtex3 | A Finnish version of ‘plain.bst’.  
Author: Antti-Juhani Kaijanaho;  
CTAN location: biblio/bibtex/contrib

fix2col | Fix miscellaneous two column mode features.  
Fix mark handling so that \texttt{\firstmark} is taken from the first column if that column has any marks at all; keep two column floats like figure* in sequence with single column floats like figure.  
Author: David Carlisle;  
CTAN location: macros/latex/contrib/support/carisle

fixbbl | Patch bibliographies inappropriately broken by \texttt{\LaTeX}.  
This script deals with the well-known \texttt{\LaTeX} bug whereby \texttt{\LaTeX} inserts a ‘%’ in a url to cause the bibliography line to fit into its minuscule vision of what is an acceptable input line for \texttt{\LaTeX}.  
Author: unknown;  
CTAN location: biblio/bibtex/utils/fixbbl

fixfoot | Multiple use of the same footnote text  
Provides a \texttt{\DeclareFixedFootnote} command to provide a single command for a frequently-used footnote. The package ensures that only one instance of the footnote text appears on each page. (\texttt{\LaTeX} needs to be run several times to achieve this.)  
Author: Robin Fairbairns;  
CTAN location: macros/latex/contrib/support/fixfoot

flabels | Labels for files and folders.  
Macros for typesetting pretty labels (optionally colored) for the back of files or binders (currently only the special a4 “Leitz-Ordner” ring binder is supported).  
Author: Volker Boerchers;  
CTAN location: macros/latex/contrib/support/flabels

flashcard | Typeset flash cards.  
Flash cards are often used for revision being cards with a question on one side and the answer on the other (though the mechanism could be adapted for other purposes.)  
Author: James Kilfiger;  
CTAN location: macros/latex/contrib/other/misc

flatex | A C program to flatten a \texttt{\LaTeX} file into a single file, by explicitly including the files included by \texttt{\include} and \texttt{\input} commands. Also, if \texttt{\LaTeX} is being used, then includes the bbl file into the resulting file. Thus, creating a stand alone \texttt{\LaTeX} file that can be emailed to someone else.  
Author: Sariel Har-Peled;  
CTAN location: support/flatex

flatten | A program to flatten a \texttt{\LaTeX} root file by copying \texttt{\input} and \texttt{\include} files into the root file.  
Author: Peter Wilson;  
CTAN location: support/flatten

float | Improved interface for floating objects.  
Improves the interface for defining floating objects such as figures and tables. Introduces the boxed float and the ruled float. You can define your own floats and improve the behaviour of the old ones. Also incorporates the H option of the superseded here package.  
You can select this as automatic default with \texttt{\footnotetext{\H}.}  
Author: Anselm Lingnau;  
CTAN location: macros/latex/contrib/support/float

floatfig | Allows text to be wrapped around figures.  
Author: unknown;  
CTAN location: macros/latex/contrib/other/floatfig

floatflt | Wrap text around floats.  
Float text around figures and tables which do not span the full width of a page, improving upon floatfig, allowing tables/figures to be set left/right or alternating on even/odd pages.  
Author: Mats Dahlgren;  
CTAN location: macros/latex/contrib/other/floatflt

fitpage | Defines new environments for placing captions of tables and figures on the facing/following page.  
Author: Sebastian Gross;  
CTAN location: macros/latex/contrib/support/fitpage
This package provides six predefined chapter headings. Each can be modified using a set of simple commands. Optionally one can modify the formatting routines in order to create additional chapter headings. This package was previously known as FancyChapter.

Author: Ulf Lindgren; CTAN location: \texttt{macros/latex/contrib/support/fncychap}

Typeset footnotes in run-on paragraphs, instead of one above another.

Author: Chris Rowley and Dominik Wujastyk; CTAN location: \texttt{macros/latex/contrib/other/misc}

Provides integration between \texttt{Foil\TeX} and \texttt{\LaTeX2HTML}, adding sectioning commands and elements of logical formatting to \texttt{Foil\TeX} and providing support for \texttt{Foil\TeX} commands in \texttt{\LaTeX2HTML}.

Author: Boris Veytsman; CTAN location: \texttt{macros/latex/contrib/support/foilhtml}

A \texttt{\LaTeX} 2.\epsilon class for overhead transparencies. Can be used with fancybox to place a variety of borders around the slides.

Author: James Hafner; CTAN location: \texttt{macros/latex/contrib/support/foiltex}

Font selection for plain \texttt{\LaTeX}. Font selection for plain \texttt{\LaTeX}, featuring: 21 sizes in the range 7 to 154 points; 16 typefaces, including Italics Bold, Calligraphic Bold, Sans Serif, Sans Serif Italics, and Sans Serif Bold; Boldmath, inclusive of subscripts, superscripts, and symbols; and a few other useful macros.

Author: Harold de Wijn; CTAN location: \texttt{macros/plain/contrib/font_selection}

\texttt{\LaTeX} macros for converting Adobe Font Metric files to \texttt{\LaTeX} metric and virtual font format.

Author: unknown; CTAN location: \texttt{fonts/utilities/fontinst}

Karl Berry’s scheme for naming fonts in \texttt{\LaTeX}.

Author: unknown

Print a sample of a font.

Author: Alan Jeffrey; CTAN location: \texttt{macros/latex/required/tools}

A package to put bibliographic references as footnotes.

Author: Eric Domenjoud; CTAN location: \texttt{macros/latex/contrib/support/footbib}

Footnotes with all the options. Captures as package options much (if not all) of the functionality of the various other footnote packages.

Author: Robin Fairbairs; CTAN location: \texttt{macros/latex/contrib/support/footmisc}

Allows footnotes on individual pages to be numbered from 1, rather than being numbered sequentially through the document.

Author: Joachim Schrod; CTAN location: \texttt{macros/latex/contrib/support/footnpag}

Prebuilt \texttt{\LaTeX} format and MetaFont base files.

Author: unknown

Letters to multiple recipients.

Author: unknown; CTAN location: \texttt{macros/generic}

Support for physical symbols, ensuring the same shape in text and math mode, including some predefined physical units.

Author: Andreas Tille; CTAN location: \texttt{macros/latex/contrib/other/formula}

Analyse and display the structure of a \texttt{\LaTeX} document. A Windows32 program that analyses and displays the structure of a \texttt{\LaTeX} document, its chapters, sections, labels, references, captions, graphics, etc.

Author: Erik Frambach; CTAN location: \texttt{support/4project}

Windows32 spell checker for \texttt{\LaTeX}, RTF, HTML, and \texttt{\Bib\LaTeX}. A Windows32 spell-checker for \texttt{(E)\LaTeX}, RTF, HTML, \texttt{\Bib\LaTeX} documents, or any other ASCII format, with or without tags. Highly configurable. Supports multiple codepages (can spell-check e.g. Russian), uses colors to display document and tag structures. Dictionaries are compatible with WinEdt.

Author: Erik Frambach; CTAN location: \texttt{support/4spell}

A \texttt{\LaTeX} environment for MS-Windows32. Includes spell checker, etc, all controlled from a toolbar that can sit on top of your favourite editor.

Author: Erik Frambach; CTAN location: \texttt{systems/win32/4tex}

Provides an extensive collection of arithmetic operations for fixed point real numbers of high precision.

Author: Michael Mehlich; CTAN location: \texttt{macros/latex/contrib/other/fp}

A \texttt{\TeX} 1.0 based distribution for MS-Windows. A distribution of \texttt{\LaTeX} for MS-Windows based on \texttt{web2c} and \texttt{\TeX} using InstallShield for installation.

Author: Fabrice Popineau; CTAN location: \texttt{systems/win32/fptex}
Frankenbundle supports the development and distribution of \LaTeX\ packages and classes and \BibTeX\ bibliography styles. Frankenbundle allows an author to maintain and distribute a bundle of one or more \LaTeX\ packages and classes and \BibTeX\ bibliography styles, their documentation, and any support files with a high degree of sophistication, consistency, and convenience both for the author and their end users, who will receive the bundle in a form easy to understand and use. The author using Frankenbundle needs a Unix-like environment, GNU Make and a rudimentary understanding of Makefiles. The end user does not need Make.

Author: Matt Swift; CTAN location: support/frankenbundle

Frakenstein is a collection of \LaTeX\ packages. Formerly known as monster (an obsolete, 8+3-compliant name), Frankenstein is a bundle of \LaTeX\ packages serving various purposes and a \BibTeX\ bibliography style. Descriptions are given under the individual packages: abbrevs, achicago package, achicago bibstyle, attrib, bits, blkctrl, compsci, dialogue, drama, includex, lips, moredefs, newcule, slempfl, titles.

Author: Matt Swift; CTAN location: macros/latex/contrib/supported/frankenstein

Freetype is a free, full-featured TrueType rasterizer library.

Author: Werner Lemberg; CTAN location: fonts/utilities/freetype

French is a style for French typography: light version.

Author: Bernard Gaulle; CTAN location: language/french

French hyphenation patterns.

Author: Daniel Flipo; CTAN location: language/hyphenation

Fribrief is a \LaTeX\ class for writing letters.

Author: Alexander Fries; CTAN location: macros/latex/contrib/supported/fribrief

Ftcap allows \caption at the beginning of a table-environment. For several reasons a \caption may be desirable at the top of a table-environment. This package changes the table-environment such that \abovecaptionskip and \belowcaptionskip are swapped. Ftcap should also work with your own non-standard table-environment.

Author: Hans Friedrich Steffani; CTAN location: macros/latex/contrib/other/misc

Fttx is a \TeX\ package for FTE (FTE = Folding Text Editor by Marko Macek). Adds a \TeX\ menu system for FTE. Changes syntax highlighting for FTE's \TeX\-Mode. Runs \TeX, dvi-drivers, ispell, etc., from FTE. Calls \TeX\ help files from FTE. It is preconfigured for em\TeX.

Author: Oliver John von Zydowitz; CTAN location: systems/os2/ftetx

Ftn is \LaTeX\ document-style option to make footnotes available in any environment, except inside floats.

Author: Kresten Krab Thorup; CTAN location: macros/latex209/contrib/misc

Ftnright is footnotes in two column documents.

Author: Frank Mittelbach; CTAN location: macros/latex/required/tools

Fulblck is used with the letter documentclass to set the letter in a fulblock style (everything at the left margin).

Author: James H. Cloos Jr.; CTAN location: macros/latex/contrib/supported/fulblck

Fulpict is full page pictures.

Author: Bruce Shawyer; CTAN location: macros/latex/contrib/supported/fulpict

Fundus provides \LaTeX\ access to various font families.

Author: unknown; CTAN location: macros/latex/contrib/other/gene/fundus

Funnelweb is a 'Literate Programming' tool, which produces documentation for programs in \TeX\ or \LaTeX\.

Author: Tony Coates; CTAN location: web/funnelAC

Futhark is fonts for the Older Futhark script.

Author: unknown; CTAN location: fonts/futhark

G-Brief is a document class for \LaTeX\ 2e. Serves for formatting formless letters in german or english language.

Author: Michael Lenzen; CTAN location: macros/latex/contrib/other/g-brief

Galois is Write Galois connections in two-ddimensional style.

Author: Patrick Cousot; CTAN location: macros/latex/contrib/other/galois

Gb is Government Binding styles.

Author: unknown; CTAN location: macros/latex/contrib/other/gb4e

Genealogy is a simple compilation of the genealogical symbols found in the ‘wasy’ and ‘gen’ font, essentially adding the male and female symbols to Knuth’s ‘gen’ font, and so avoiding loading two fonts when you need only genealogical symbols.

Author: Denis Roegel; CTAN location: fonts/genealogy
genmisc  Miscellaneous small files for all formats, specific to the \TeX\Live CDROM.
generic3  Author: unknown
gentl-gr  Modern Greek translation of the Gentle Introduction to \TeX.  
Author: Dimitrios Filippou; CTAN location: help/greek/gentl-gr
gentle   A Gentle Introduction to \TeX.  
Author: Michael Doob; CTAN location: info/gentle
geometry  Flexible and complete interface to document dimensions. Provides an easy and flexible user interface to customize page layout, implementing auto-centering and auto-balancing mechanisms so that the users have only to give the least description for the page layout. For example, if you want to set each margin 2cm without header space, what you need is just \texttt{\usepackage[margin=2cm,nohead]{geometry}}. Options include columns and footnotes, vtex, mag.
Author: Hideo Umeki; CTAN location: macros/latex/contrib/geometry
geomsty   Provides: inclusion of PostScript figures, and of \TeX\ text within figures; automatic creation of index entries and cross-references where appropriate; no need to worry about fragile commands in almost all situations; greater versatility in defining theorem-like environments; proofing aids such as version numbers and a running index.
Author: unknown; CTAN location: macros/latex209/contrib/geomsty
german    Support for German typography. Supports the new German orthography (\textit{neue deutsche Rechtsschreibung}).
lang2     Author: Bernd Raichle; CTAN location: language/german
germbib   German variants of standard \Bib\TeX\ styles.
bibex2    Author: Harald Harders; CTAN location: biblio/bibext/contrib/germbib
germdoc   No description available.
doc2      Author: unknown
getrefs   A \Bib\TeX\ style file and a \LaTeX\ document template to facilitate the retrieval of references from a library.
Author: Stefan A. Deutscher; CTAN location: biblio/bibext/contrib/getrefs
ghostscript Freely available PostScript interpreter. Freely available Aladdin and GNU PostScript interpreters available for many platforms and also useful for conversion from PostScript to other formats, and particularly for printing to non-PostScript printers.
Author: L. Peter Deutsch; CTAN location: support/ghostscript/aladdin
ghostview-mac Ghostview for CMac\TeX\ to preview PostScript documents.
Author: Tom Kiffe; CTAN location: systems/mac
ghyphen   Describes the different versions of German hyphenation support.
Author: Walter Schmidt; CTAN location: language/hyphenation
gleitobjekte Tutorial from a DANTE meeting in November 1997. The script of a tutorial held at the November 1997 DANTE meeting. Topics covered include floats and their placement, captions, inclusion of graphics, lettering of graphics, layout of tables and large amounts of numerical data.
Author: Axel Reichert; CTAN location: info/german/gleitobjekte
gloss     Create glossaries using \Bib\TeX\.
Author: Jose Luis Diaz de Arriba and Javier Bezos; CTAN location: macros/latex/contrib/supported/gloss
glosstex  Prepare glossaries in \Bib\TeX\.
Author: Volkan Yavuz; CTAN location: support/glosstex
gn-logic  No description available.
laxe3     Author: unknown
gnhyph    An experimental set of hyphenation patterns for the new German orthography (\textit{\textit{neue deutsche Rechtsschreibung}}) currently being introduced.
Author: Walter Schmidt; CTAN location: language/hyphenation
gnuplot   General purpose plotting program. Generate almost any type of chart you wish and save it in \Bib\TeX\ format or as EPS (or in any of a dozen other formats).
Author: unknown; CTAN location: graphics/gnuplot
Fonts and macros for typesetting go games.

Fonts and macros for typesetting go games.

Gothic and ornamental initial fonts by Yannis Haralambous.

Simpler graphic, subfigure and float. This package combines the tools of the graphic, subfigure and float packages in a way that makes their use simpler and more robust. The Figure environment (capitalized!) differs from the standard \LaTeX figure environment with the addition of a mandatory argument to specify the caption and an optional argument used as a label. These ensure that the \label command appears after the \caption command to avoid possible errors. The commands \graphfig and \graphfig* have the additional advantage that the picture will be automatically centered along the horizontal direction.

The primary \LaTeX package for the support of the inclusion of graphics generally produced with other tools. This package aims to give a consistent interface to including the file types that are understood by your printer driver. For documentation see grfguide.

A Greek font from 394BC. Provides a Greek monumental font as used on a stele in Athens in 394BC. The font consists of majuscules only and is one of a series of archaic fonts.

A package which implements a numbering system used in ancient Athens, producing the ‘Athenian’ numeral for any positive arabic numeral. The package can be used as a means to provide alternative counters.

Typeset Greek text with the Times New Roman Greek. Enables users who use the Greek option of the Babel package to typeset monotonic Greek text with the Times New Roman Greek, Arial Greek and Courier Greek fonts. Does not include the fonts.

Primarily intended for use with xdvi and dvips this utility allows the use of PostScript fonts with xdvi.

View PostScript under MS-Windows or OS2. GSView is a graphical interface for Ghostscript under MS-Windows or OS2. Ghostscript is an interpreter for the PostScript page description language used by laser printers. For documents following the Adobe PostScript Document Structuring Conventions, GSView allows selected pages to be viewed or printed. Various conversions can also be performed, including ps to pdf, pdf to ps, eps to pdf, and eps to jpg. GSView 2.7 requires Ghostscript 4.03 - 5.99. GSView was inspired by Tim Theisen’s X11 Ghostview program. It is designed to work with Aladdin Ghostscript, not GNU Ghostscript.

Polish oriented macros. Various small utility packages for typesetting in plain \TeX, with a Polish perspective.

Author: unknown
hands  Pointing hand fonts.
font3  Author: unknown; CTAN location: fonts/hands
hangcaption  Defines a variant of the caption command to produce captions with hanging indentation.
    Author: unknown; CTAN location: macros/latex2009/contrib/misc
hanging  Hanging paragraphs. The hanging package facilitates the typesetting of hanging paragraphs. It also
    latex3  enables typesetting with hanging punctuation (this is probably best regarded as a curiosity).
    Author: Peter Wilson; CTAN location: macros/latex/contrib/supported/hanging
harpoon  Extra harpoons, using the graphics package.
    latex3  Author: unknown; CTAN location: macros/latex/contrib/supported/harpoon
harvard  The Harvard bibliography style family.
    bibtex2  Author: unknown; CTAN location: biblio/bibtex/contrib
harvmac  Paul Ginsparg’s Harvard macros for scientific articles.
    plain3  Author: unknown; CTAN location: macros/plain/contrib/harvmac
hcbundle  Replacement for the \LaTeX{} classes. Provides replacements for the default \LaTeX{} classes, based upon
    the Koma-Script bundle and the seminar class. Includes heart, hereport, hcletter, and hcsides.
    Author: Christian Siefkes; CTAN location: macros/latex/contrib/supported/hc
hellas  Typeset bibliographies which include Greek. A \BibTeX{} style for typesetting databases that contain-
    ing both Greek and non-Greek bibliographic records.
    Author: Apostolos Syropoulos; CTAN location: language/greek/ch/BibTeX
hexdump  Read and format ASCII hexdump files. The main macro reads an ASCII hexdump file and puts it
    formatted into the document. Additional macros included, e.g., for a Directory of Dumps.
    Author: Thomas Hillebrand; CTAN location: macros/generic/hexdump
hh  Fancy boxing effects.
    latex3  Author: unknown; CTAN location: macros/latex/contrib/supported/hh
hline  Better horizontal lines in tabulars and arrays.
    Author: David Carlisle; CTAN location: macros/latex/required/tools
hieroglfsents{About 60 Egyptian Hieroglyphs.}
    Author: Peter R Wilson; CTAN location: fonts/archaic/hieroglfs
hilowres  A package to simplify the inclusion of low resolution versions of high resolution images, if each pair of
    latex3  files have the same basename (e.g., bird.low.eps and bird.eps). The package is a simple wrapper around
    the \includegraphics command of the graphicx package.
    Author: Johann Gerell; CTAN location: macros/latex/contrib/supported/hilowres
histogr  Drawing histograms with the \LaTeX{} picture environment.
    latex3  Author: unknown; CTAN location: macros/latex/contrib/supported/histogr
hlatex  Support for the Korean language. Support for Korean documents written in Korean standard KSC
    codes for \LaTeX{} 2ε.
    Author: Koaunghi Un; CTAN location: language/korean/HLaTeX
hoekwater  Converted mlogo font. Fonts originally created in MetaFont, transformed to PostScript by Taco
    fonts2  Hoekwater; includes logo, manfnt, rsfs, stmaryrd, wasy, wasy2, xipa.
    Author: Taco Hoekwater; CTAN location: fonts/mflogo-ps-type1/hoekwater
html  Various \TeX{} documentation converted to HTML.
    doc1  Author: unknown; CTAN location: support/html
html2latex  The html2latex package compiled from the Unix sources version 0.9c with emx 0.9c fix 2 to run on
    MS-DOS, MS-Windows (3.x, 9x, NT), OS2 Warp
    Author: Roland Reimers; CTAN location: support/html2latex
html2text  Convert HTML into text. This is a HTML-to-text converter for UNIX.
    Author: Rolf Niepraschk; CTAN location: support/html2text
huhyph  Hyphenation patterns for the Hungarian language.
    Author: Gyula Mayer; CTAN location: language/hyphenation
huncial  Fonts based on the half Uecial manuscript book-hand. The huncial and allhuncal packages provide
    Metafont fonts based on the Half Uecial manuscript book-hand used between the 3rd and 9th centuries.
    The font consists of minuscules and digits, with some appropriate period punctuation marks and
    ligatures. Both normal and bold versions are provided. This is one in a series of manuscript fonts.
    Author: Peter Wilson; CTAN location: fonts/bookhands/huncial
hvdashln  Definitions of horizontal and vertical dashed lines for the array and tabular environment. Instead of building partial horizontal dashed lines using Isozaki’s \cline{2-3}, \hdashline fills the full width. The proportion of the dashed line is defined by the two parameters: \hdashlinewidth=2pt and \hdashlinegap=2pt, where the former defines the width of the dash and the latter sets their gap.
Author: unknown; CTAN location: macros/latex209/contrib/misc

hvmath  Support for using the Micropress HV-Math fonts (Helvetica Maths). Typesets math in a style that suits the Adobe Helvetica text fonts. Math fonts for use with Helvetica are generally otherwise not available, and a free, bitmapped version of HV-Math can be downloaded from Micropress. Commercial versions of the HT-Math fonts are available from Micropress.
Author: Walter Schmid; CTAN location: macros/latex/contrib/supported/hvmath

hypbmsec  Hypertext bookmarks in sectioning commands. Bookmark entries can be given as another argument to the \TeX sectioning commands. The hyperref package is required to get the bookmarks, but the syntax works without it.
Author: Heiko Oberdiek; CTAN location: macros/latex/contrib/supported/hypbmsec

hyper  Hyptext cross referencing. Redefines \TeX cross-referencing commands to insert \special commands for HyperTeX dvi viewers, such as recent versions of xdvi.
Author: Michael Mehlich; CTAN location: macros/latex/contrib/supported/hyper

hyperlatex  A package that allows you to prepare documents in \HTML and to produce a neatly printed document from your input using \TeX. It is not a \TeX to HTML converter (see lth or latex2html for that).
Author: Otfried Schwarzkopf; CTAN location: support/hyperlatex

hyperref  Extensive support for hypertext in \TeX. The hyperref package is used to handle cross-referencing commands in \TeX to produce some sort of hypertext command; there are backends for the \special set defined for HyperTeX dvi processors, for embedded pdfmark commands for processing by Acrobat Distiller (dvips and dvipsone), for dvwindo, for pdf\TeX, for T\TeXXhtml, and for VTEX’s pdf and HTML backends.
Author: Sebastian Rahtz; CTAN location: macros/latex/contrib/supported/hyperref

hyphenat  Disable/enable hyphenation. This package can disable all hyphenation or enable hyphenation of non-alphabets or monospaced fonts. Enables hyphenation within ‘words’ that contain non-alphabetic characters (e.g., that include underscores), and hyphenation of text typeset in monospaced (e.g., cmnt) fonts.
Author: Peter Wilson; CTAN location: macros/latex/contrib/supported/hyphenat

hyphenation-greek  Hyphenation patterns for ancient and modern Greek. Contains the hyphenation patterns for ancient Greek and modern Greek in polytonic (multi-accent) and monotonic (uni-accent) systems. The hyphenation patterns will work perfectly with the “greek” option of “babel” or Dryllerakis’ GreekK\TeX. For any other Greek package, the patterns will have to be re-coded. A brief description of the files is given in the file “readme.txt”.
Author: Dimitrios Filippou; CTAN location: language/greek/package-babel/hyphenation/filippou

hypt1  Additional hyphenation patterns. Additional hyphenation patterns which have to be loaded in conjunction with each “normal” set of patterns. It contains patterns to allow hyphenation after an explicit hyphen, which are needed if you want to use e.g. the second hyphen character (\char127) of the EC fonts or any other T1 encoded font as \hyphenchar\font.
Author: Bernd Raichle; CTAN location: language/hyphenation

ibm  No description available.

idealfonts  Consists of 2 files that might help Textures users: one to ease the use of the basic 35 Adobe fonts with the T1 font encoding with \TeX; the other for people willing to automatically install that last \TeX version under Textures.
Author: Bernard Gaulle; CTAN location: systems/mac/textures/contrib/idealfonts

ieeeepes  IEEE Power Engineering Society Transactions. Supports typesetting of transactions, as well as discussions and closures, for the IEEE Power Engineering Society Transactions journals.
Author: Volker Kuhlmann; CTAN location: macros/latex/contrib/supported/ieeepes

ifacmtg  Elsevier Science preprint style for IFAC meetings.

latex3  Consists of 2 files that might help Textures users: one to ease the use of the basic 35 Adobe fonts with the T1 font encoding with \TeX; the other for people willing to automatically install that last \TeX version under Textures.
ife-slide Presentationslides (from computer screen) and printouts. This package is used to produce printed
slides with \LaTeX{} and online presentations with pdflatex. It is provided by the “institute of mechanics”
(ifm) Univ. of Technology Darmstadt, Germany. It is based on ideas of pdfslide, but completely rewritten
for compatibility with texpower and seminar. The manual (ifmman.pdf) describes all functions and
provides a sample.
Author: Thomas Emmel; CTAN location: macros/latex/contrib/supported/ifmslide
ifmtarg If-then-else command for processing potentially empty arguments.
Author: Peter Wilson; CTAN location: macros/latex/contrib/supported/misc
ifsym Symbols for alpinistic, electronic, meteorological, geometric etc. usage.
Author: Ingo Kloeckl; CTAN location: fonts/ifsym
ifthen Conditionals in \LaTeX{} documents.
Author: \LaTeX{} Project Team; CTAN location: macros/latex/base
imac International Modal Analysis Conference format. A set of files for producing correctly formatted
\LaTeX{} documents for the International Modal Analysis Conference.
Author: Joseph Slater; CTAN location: macros/latex/contrib/other/imac
impose PostScript utilities. Impose is used for two-up printing of DSC-compliant PostScript (including that
from Netscape, dvips, and FrameMaker). It makes an effort to remove white space from the printout by
probing the original PostScript for the bounding box of the printed area. This makes the output much
more esthetic than does a simplistic layout of non-cropped original pages.
Author: Dov Grobgeld; CTAN location: support/impose
includex Extended \include. A \LaTeX{} package that allows you to include just the contents of one source
\LaTeX{} file into another, ignoring text outside the \begin{document} and \end{document} in the included file.
This package is useful but may have problems and is unsupported. See also the newclude package.
Author: Matt Swift and Robin Fairbairns; CTAN location: macros/latex/contrib/supported/frankenstein unsupported
indentfirst Indent first paragraph after section header.
Author: David Carlisle; CTAN location: macros/latex/required/tools
index Extended index for \LaTeX{} including multiple indexes. This is a reimplementation of \LaTeX{}’s indexing
macros to provide better support for indexing. For example, it supports multiple indexes in a single
document and provides a more robust \index command. It supplies short hand notation for the \index
command (~{word}) and a * variation of \index (abbreviated ~{word}) that prints the word being
indexed, as well as creating an index entry for it.
Author: David M. Jones; CTAN location: macros/latex/contrib/supported/camel
indxcite A package to automatically generate an Author Index based on citations made using Bm\LaTeX{}. It requires
\LaTeX{} the use of the harvard and index packages and \LaTeX{} 2ε.
Author: James Ashton; CTAN location: macros/latex/contrib/supported/indxcite
info Documentation in GNU info form.
Author: unknown
inlinbib Inlined \cites.
Author: unknown; CTAN location: fonts/gothic/yinit
inhyph Hyphenation patterns for Bahasa Indonesia.
Author: Joerg Knappen and Terry Mart; CTAN location: language/hyphenation
initials A special font (yinit) is defined to be used for initial dropped capitals.
Author: unknown; CTAN location: fonts/gothic/yinit
inputenc Control input encoding.
Author: \LaTeX{} Project Team; CTAN location: macros/latex/base
insbox A \TeX{} macro for inserting pictures/boxes into paragraphs.
Author: unknown; CTAN location: macros/generic/insbox
ipa No description available.
Author: unknown
latex3 Author: unknown
isi2bibtex Converter for ISI to Bm\LaTeX{}.
Author: John J. Lee; CTAN location: bibli/bibtex/utils/isi2bibtex
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\isodate  Tune the output format of the \today command. This package provides four commands to switch the output format of the \today command: \isodate switches to yyyy–mm–dd; \umdate switches to dd.mm.yyyy, dd/mm/yyyy or mm/dd/yyyy; \shortdate switches to the format yyyy/mm/dd; and \origdate switches to the original \TeX format (which is language dependent). The package contains two additional commands to print a date given as an argument using the actual date format for output: \printdateiso{yyyy-mm-dd} and \printdatenum{dd.mm.yyyy}.

Author: Harald Harders; \textsc{CTAN} location: \texttt{macros/latex/contrib/support/isodate}

\isorot  Rotation of document elements. The isorot package is for rotation of document elements. It is a combination of the \lscape package and an extension of the \rotating package. It is designed for use with the iso class but may be used with any normal class.

Author: Peter Wilson; \textsc{CTAN} location: \texttt{macros/latex/contrib/support/isorot}

\isostds  Typeset ISO International Standard documents. Class and package files for typesetting ISO International Standard documents. Several standard documents have been printed by ISO from camera-ready copy prepared using \TeX{} and these files. One set of files is for generic ISO typesetting and the other is an extension set of packages for typesetting ISO 10303 standards.

Author: Peter Wilson; \textsc{CTAN} location: \texttt{macros/latex/contrib/support/isostds}

\ithyph  Italian hyphenation.

Author: Claudio Beccari; \textsc{CTAN} location: \texttt{language/italian}

\izhitsa  Support for the old Russian font “Izhitsa”. Includes MetaFont code and \TeX{} style file.

Author: Oleg V. Motygin; \textsc{CTAN} location: \texttt{fonts/cyrillic/old_slavonic/izhitsa}

\jadetex  Macros to implement Jade DSSSL output. Macro package on top of \TeX{} to typeset \TeX{} output of Jade DSSSL implementation.

Author: Sebastian Rahtz; \textsc{CTAN} location: \texttt{macros/jadetex}

\jas99m  Bf\TeX{} style for American Meteorological Society (AMS).

Author: Ryo Furue; \textsc{CTAN} location: \texttt{biblio/bibtex/contrib}

\javatex  A \TeX{} implementation of Bf\TeX{}.

Author: Tim Murphy; \textsc{CTAN} location: \texttt{systems/java/javatex}

\jeep  No description available.

Author: George Pearson; \textsc{CTAN} location: \texttt{macros/latex/contrib/jeep}

\jhep  JHEP style. A \TeX{} class file used to typeset manuscripts in JHEP style.

Author: F. Nesti

\jkknappen  Miscellaneous packages by Joerg Knappen. Miscellaneous macros, mostly for making use of extra fonts, by Joerg Knappen, including sgmncmpt.

Author: Joerg Knappen; \textsc{CTAN} location: \texttt{macros/latex/contrib/support/jkknappen}

\jkthesis  Document class for formatting a thesis.

Author: Jochen Kuepper; \textsc{CTAN} location: \texttt{macros/latex/contrib/support/jkthesis}

\jpeg2ps-os2  JPEG to PostScript converter for OS2. OS2 port of jpeg2ps.

Author: Rolf Nieprasch and Stefan A. Deutscher; \textsc{CTAN} location: \texttt{support/jpeg2ps/os2}

\jpeg2ps  Convert JPEG files to PostScript Level 2 or 3 EPS. Converts JPEG files to PostScript Level 2 or 3 EPS. In fact, jpeg2ps is not really a converter but a "wrapper": it reads the image parameters (width, height, number of color components) in a JPEG file, writes the according EPS header and then copies the compressed JPEG data to the output file. Decompression is done by the PostScript interpreter (only PostScript Level 2 and 3 interpreters support JPEG compression and decompression).

Author: Rolf Nieprasch; \textsc{CTAN} location: \texttt{support/jpeg2ps}

\jqt1999  Journal of Quality Technology Bf\TeX{} format. This is a derivative work of Oren Patashnik’s apalike Bf\TeX{} style. It is a Bf\TeX{} file for the Journal of Quality Technology that can be used with natbib. It puts semicolons between authors, quotes around titles, and ‘pp.’ before page numbers.

Author: David Forrest; \textsc{CTAN} location: \texttt{biblio/bibtex/contrib}

\jsmisc  Miscellaneous useful macros by Joachim Schrod.

\plains  Author: Joachim Schrod; \textsc{CTAN} location: \texttt{macros/plain/contrib/js-misc}

\jspell  An ASCII file spelling checker.

Author: Joohee Jeong; \textsc{CTAN} location: \texttt{support/jspell}
jura  A document class for German legal texts. Implements the standard layout for German term papers in law (one-and-half linespacing, 7 cm margins, etc.). Includes alphanum that permits alphanumeric section numbering (e.g., A. Introduction; III. International Law).
Author: Felix Braun; CTAN location: macros/latex/contrib/support/jura

jurabib  Bibtex databases for German legal texts. Allows the use of Bibtex databases for German legal texts. It can be used both together with or independently from the jura document class. The package allows the dynamic citation of an abbreviated title, depending on a multiple citation of an author with different books. It is easy to modify the layout of the citations and the entries in the bibliography.
Author: Jens Berger; CTAN location: macros/latex/contrib/support/jura

kalendar  A calendar style.
Author: unknown; CTAN location: macros/latex/contrib/other/kalender

kalender  Style file for creating a calendar; in German.
latex3  Author: Joerg Soehner; CTAN location: macros/latex/contrib/other/kalender

karnaugh  Typeset Karnaugh- Veitch-charts. Macros intended for typesetting Karnaugh-Maps and Veitch-Charts in a simple and user-friendly way. Karnaugh-Maps and Veitch-Charts are used to display and simplify logic functions “manually”. These macros can typeset Karnaugh-Maps and Veitch-Charts with up to ten variables (=1024 entries).
Author: Andreas W. Wieland; CTAN location: macros/latex/contrib/other/karnaugh

kdgreek  Greek fonts.
fonts3  Author: unknown; CTAN location: fonts/greek/kd

kix  Implements KIX codes as used by the Dutch PTT for bulk mail addressing. (Royal Mail 4 State Code.) KIX is a registered trade mark of PTT Post Holdings B. V.
Author: Sander Stoks; CTAN location: macros/latex/contrib/other/misc

latex3  Author: Taco Hoekwater; CTAN location: macros/latex/contrib/support/kluwer

knst  A package supporting the generation and correction of multiple option tests as appears in TUGboat Volume 17, Number 3: “Fast and secure multiple option tests”.
Author: Jordi Saludes; CTAN location: macros/generic/knnt

knuth  Knuth’s own documentation, including the TExbook and the MetaFontbook.
doc3  Author: Donald Knuth; CTAN location: systems/knuth

koi8  A package to perform internal translation from the KOI-8 encoding (de-facto standard of the UNIX world) to the so called “alternative encoding” used by most Cyrillic packages. You still need one of these packages for the actual Russian typesetting. The style works with all major Cyrillic packages: cmcyr, cmcyralt, LH.
Author: Uri Blumenthal; CTAN location: macros/latex/contrib/support/koi8

koma-script  European typography for article/book/report classes. A drop-in replacement for the article/report/
lamstex  latex2  book classes with emphasis on European rules of typography and paper formats as laid down by Tschichold. The article class, for example, becomes scrartcl.
Author: Markus Kohm; CTAN location: macros/latex/contrib/support/koma-script

kuvio  Drawing macros and fonts for diagrams.
graphics3  Author: unknown; CTAN location: macros/generic/diagrams/kuvio

labelmag  Manage a collection of labels. A MS-Win32 program for managing a collection of labels to be typeset by TEx and printed on demand. The collection will be held together within a single file; labels may be kept within categories. As an advanced feature, mailing labels, e.g., may query an odbc data source.
Author: Peter Willadt; CTAN location: systems/win32/texhelpers/labelmag

labels  Support for printing sheets of sticky labels (but could also be used for business cards). The number of rows and columns of labels, and their size, can be changed.
Author: unknown; CTAN location: macros/latex/contrib/support/labels

lamstex  A merge of the best in AMS-TEx and BTEX.
latex3  Author: Michael Spivak; CTAN location: macros/lamstex
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latex3 Reference the number of pages in your \TeX document through the introduction of a new label which can be referenced like `\pageref{LastPage}' to give a reference to the last page of a document. It is particularly useful in the page footer that says: Page N of M.

\text{Author: Jeffrey Goldberg; CTAN location: macros/latex/contrib/other/lastpage}

lated A graphical editor for drawings in the \TeX “picture” environment. It runs under MS-DOS and MS-Windows. The distribution includes full sources, including \TeX source for its documentation.

\text{Author: Gene Ressler; CTAN location: systems/msdos/lated}

latex Macro package for \TeX (the most popular). \TeX is a (and probably the most) popular macro package for \TeX, providing many basic document formatting commands extended by many of the packages included in this current list.

\text{Author: Leslie Lamport; CTAN location: macros/latex}

latex2html Convert \TeX into HTML documents. A Perl program that translates \TeX into HTML (HyperText Markup Language) creating separate HTML files corresponding to each unit (e.g., section) of the document.

\text{Author: unknown; CTAN location: support/latex2html}

latex2man Translate \TeX-based manual pages into Unix man format. A tool to translate UNIX manual pages written with \TeX into a man-page format understood by the UNIX man(1) command. Alternatively HTML or TexInfo code can be produced. Output of parts of the text may be suppressed using the conditional text feature.

\text{Author: Juergen Vollmer; CTAN location: support/latex2man}

latex2rtf Convert \TeX into Rich Text Format. Translates \TeX text into RTF (Rich Text Format as used by Microsoft Word).

\text{Author: Fernando Dorner and Andreas Granzer; CTAN location: support/latex2rtf}

latexcad A CAD drawing package.

\text{Author: John Leis; CTAN location: obsolete/systems/msdos/latexcad}

latexdraw X-Window based and CAD orientated drawing program. An X-Window based and CAD orientated drawing program which generates \TeX output using latexdraw.sty, based on pstricks. The picture may be generated as complete \TeX-source or as a picture-environment to be included in other documents. You must translate the dvi-file generated by \TeX to a postscript-file using dvips before you can view or print the document.

\text{Author: Hans-Jurgen Siegert; CTAN location: support/latexdraw}

latexfonts No description available.

\text{latex1 Author: unknown}

latexmk Fully automated \TeX document generation routine. A utility written in Perl which deals with the task of running \TeX the appropriate number of times to ensure cross-references, etc., are completely defined. Also supports printing and viewing.

\text{Author: Evan McLean and David J. Musliner; CTAN location: support/latexmk}

latexn Run \TeX as many times as needed. A csh script to run \TeX as many times as needed (and hopefully no more) on a given file to resolve cross references, and to ensure that the table of contents and index (if any) are up-to-date.

\text{Author: John Collins; CTAN location: support/latexn}

LaTeX-WIDE Multifunctional editor for \TeX in MS-Windows.

\text{Author: YVL; CTAN location: systems/win32/LaTeX_WIDE}

latin2jk A definition file for the inputenc package, where all characters from ISO-8859-2 (Latin-2) are loaded as text characters. This allows verbatim setting of Latin-2 encoded files.

\text{Author: Joerg Knappen, Mainz; CTAN location: macros/latex/contrib/support/jknappen}

layout Produces an overview of the layout of the current document.

\text{Author: Kent McPherson; CTAN location: macros/latex/requisite/tools}

layouts Display various elements of a document’s layout. This includes: text positioning on a page; disposition of floats; layout of paragraphs, lists, footnotes, table of contents, and sectional headings; font boxes. Facilities are provided for a document designer to experiment with the layout parameters.

\text{Author: Peter Wilson; CTAN location: macros/latex/contrib/supported/layouts}
leaflet

A document class to create small handouts that fit on a single sheet of paper which is then folded twice, with a script to rearrange pages so that they print correctly (on a PostScript printer) on a single sheet.

Author: Juergen Schlegelmilch; CTAN location: macros/latex/contrib/supported/leaflet

latex3

Creates small, single page handouts. A document class to create small handoutsthat fit on a single sheet.

Author: Harald Harders; CTAN location: macros/latex/contrib/other/leafletidx

leftidx

Left subscripts and superscripts in math mode. These subscripts and superscripts are automatically raised for better fitting to the symbol they belong to.

Author: Leslie Lamport, Frank Mittelbach and Rainer Schöpf; CTAN location: macros/latex/base

letterspacing

Letter spacing.

Author: Philip Taylor; CTAN location: macros/generic

lettrine

Typeset dropped capitals. Supports various dropped capitals styles, typically those described in the French typographic books.

Author: Daniel Flipo; CTAN location: macros/latex/contrib/supported/lettrine

levy

Macros for using Silvio Levy’s Greek fonts.

Author: unknown; CTAN location: macros/latex/contrib/supported/levy

lexikon

Implements commands to generate a two-language dictionary.

Author: Axel Kielhorn; CTAN location: macros/latex/contrib/other/lexikon

lgreek

Macros for using Silvio Levy’s Greek fonts.

Author: unknown; CTAN location: macros/latex/contrib/other/lgreek

lgrind

Produce beautiful listings of source code with \LaTeX{}. Lgrind is a descendant of the Unix utility vgrind. It prepares various programming language source code (e.g., C, C plus plus, Pascal, BASIC, Modula-2, Fortran, RATFOR, Yacc, PostScript, Prolog, MLisp, Icon, \TeX{}, Perl, CSH Bourne Shell, assembler, 68000 assembler, asm68 VMS assembler, ISP, LDL, Linda, MODEL, MatLab, Russell) for pretty-printing within \LaTeX{}. Options for producing includable files and processing embedded listings in \LaTeX{} texts are provided.

Author: Michael Piefel; CTAN location: support/lgrind

lh

Olga Lapko’s LH fonts. The LH fonts for the ’T2’/X2 encodings (for cyrillic languages).

Author: Vladimir Volovich; CTAN location: fonts/cyrillic/lh

lhcyr

A collection of three \LaTeX{} styles intended for typesetting Russian and bilingual English-Russian documents: lhcyralt, lhcyrkoi, and lhcyrwin.

Author: Vadim V. Zhynikov; CTAN location: macros/latex/contrib/other/lhcyr

lhelp

Miscellaneous helper packages. This package defines macros which are useful for many documents.

Author: Volker Kuhlmann; CTAN location: macros/latex/contrib/support/lhelp

lilypond

Support for music notation. GNU LilyPond is a program which converts music definition files into visual or auditive output. LilyPond can typeset formatted sheet music to a \TeX{} file and (mechanical) performances to MIDI files.

Author: Han-Wen Nienhuys; CTAN location: support/lilypond

limap

Typeset maps and blocks according to the Information Mapping method. The Information Mapping method provides a methodology for structuring and presenting information. It claims to be useful for readers who are more concerned about finding the right information than reading the document as a whole. Thus short, highly structured, and context free pieces of information are used. A \LaTeX{} style and a \LaTeX{} class are provided. The style contains definitions to typeset maps and blocks according to the Information Mapping method. The class provides all definitions to typeset a whole document.

Author: Gerd Neugebauer; CTAN location: macros/latex/contrib/other/gene/limap

linearb

Linear B script used in the Bronze Age for Mycenaean Greek. The linearb package provides a Metafont version of the Linear B script which was a syllabary used in the Bronze Age for writing Mycenaean Greek. It is one of a series of archaic fonts.

Author: Peter R. Wilson; CTAN location: fonts/archaic/linearb
<table>
<thead>
<tr>
<th>Package</th>
<th>Description</th>
<th>Author(s)</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>lineno</td>
<td>Line numbers on paragraphs. Adds line numbers to selected paragraphs with reference possible through the \ref and \pageref cross reference mechanism.</td>
<td>Stephan Boettcher</td>
<td>macros/latex/contrib/supported/lineno</td>
</tr>
<tr>
<td>latex3</td>
<td>Format linguist examples. A package to facilitate the formatting of linguist examples, automatically taking care of example numbering, indentations, indexed brackets, and the &quot;*&quot; in grammaticality judgments.</td>
<td>Wolfgang Sternefeld</td>
<td>macros/latex/contrib/supported/linguex</td>
</tr>
<tr>
<td>lintex</td>
<td>A C program that removes auxiliary \TeX and \LaTeX files that are usually not needed after a run (log, aux, dvi, files), and only if their modification time is more recent than the source.</td>
<td>Maurizio Loreti</td>
<td>support/lintex</td>
</tr>
<tr>
<td>lips</td>
<td>Text ellipses in \LaTeX. A \LaTeX package defining \lips, which generates text ellipses that are closer to what The Chicago Manual of Style suggests than what \dots produces. It does the right thing in most circumstances, and so is easier to use, as well.</td>
<td>Matt Swift</td>
<td>macros/latex/contrib/supported/frankenstein</td>
</tr>
<tr>
<td>listbib</td>
<td>Lists contents of \BibTeX files for archival purposes. Generates listings of bibliographic data bases in \BibTeX format. This is meant for archival purposes. Included is a listbib.bst which is better suited for this purpose than the standard styles.</td>
<td>Volker Kuhlmann</td>
<td>macros/latex/contrib/supported/listbib</td>
</tr>
<tr>
<td>listing</td>
<td>Produce formatted program listings. The listing environment is provided and is similar to figure and table, although it is not a floating environment. Include support for \caption, \label, \ref, and introduces \listoflistings, \listingname, \listlistingname. It produces a .lol. It does not change \makecaption (unless the option &quot;bigcaptions&quot; is used), so packages that change the layout of \caption still work.</td>
<td>Volker Kuhlmann</td>
<td>macros/latex/contrib/other/misc</td>
</tr>
<tr>
<td>listings</td>
<td>Typeset source code listings using \LaTeX. Typeset programming code within \LaTeX. The source code is read directly by \TeX. Keywords, comments and strings can be typeset using different styles, e.g., default is bold for keywords, italic for comments and no special style for strings. Includes support for hyperref.</td>
<td>Carsten Heinz</td>
<td>macros/latex/contrib/supported/listings</td>
</tr>
<tr>
<td>lkort</td>
<td>No description available.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>doc3</td>
<td>Author: unknown</td>
<td></td>
<td></td>
</tr>
<tr>
<td>localloc</td>
<td>Macros for localizing \TeX register allocations.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>latex3</td>
<td>Author: unknown; CTAN location: macros/latex/contrib/supported/localalloc</td>
<td></td>
<td></td>
</tr>
<tr>
<td>logic</td>
<td>A MetaFont font for drawing logic diagrams.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>fonts3</td>
<td>Author: unknown</td>
<td></td>
<td></td>
</tr>
<tr>
<td>logo-ps</td>
<td>PostScript fonts for the logo font.</td>
<td>Taco Hoekwater</td>
<td>fonts/cm/utilityfonts/logo/ps-type1/hoekwater</td>
</tr>
<tr>
<td>lollipop</td>
<td>A new generation format.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>formats3</td>
<td>Author: Victor Eijkhout; CTAN location: macros/lollipop</td>
<td></td>
<td></td>
</tr>
<tr>
<td>longtable</td>
<td>Support for tables longer than a page. Generally easier to use and more flexible than supertabular.</td>
<td>David Carlisle</td>
<td>macros/latex/required/tools</td>
</tr>
<tr>
<td>losymbol</td>
<td>Defines a lot of symbol macros.</td>
<td>Author: unknown; CTAN location: macros/latex209/contrib/misc</td>
<td></td>
</tr>
<tr>
<td>landscape</td>
<td>Place selected parts of a document in landscape. Modifies the margins and rotates the page contents but not the page number. Useful, for example, with large multipage tables, and is compatible with longtable and supertabular.</td>
<td>David Carlisle</td>
<td>macros/latex/required/graphics</td>
</tr>
<tr>
<td>lshort-english</td>
<td>A (Not So) Short Introduction to \LaTeX 2ε.</td>
<td>Author: Tobias Oetiker</td>
<td>info/lshort/english</td>
</tr>
<tr>
<td>lshort-finnish</td>
<td>Finnish version of A Short Introduction to \LaTeX 2ε.</td>
<td>Author: Timo Hellgren</td>
<td>info/lshort/finnish</td>
</tr>
<tr>
<td>lshort-french</td>
<td>French version of A Short Introduction to \LaTeX 2ε with an emphasis on Finnish typesetting rules.</td>
<td>Author: Matthieu Herrb</td>
<td>info/lshort/french</td>
</tr>
</tbody>
</table>
lucold Use old-style digits with Lucida fonts. A package to switch the rendering of all the digits to the so-called “old-style” numbers, when using Lucida fonts. The switch affects all digits in text mode, or all digits in text and math mode. It works both for normal weight and boldface text and math; since the boldface old-style digits are in the “Lucida Expert” font set, you need it for the boldface digits. Includes a set of AWK programs used to automatically build fd, tfm and vf files from the existing Lucida PSNFSS distribution, and that may easily changed for the generation of different virtual files for whatever font. Author: Maurizio Loreti; CTAN location: macros/latex/contrib/supported/lucold

lw35nfsx \TeX\ psnfss support for the 35 printer resident PostScript fonts using \texttt{ly1} text font encoding, employing the Berry names. This is similar to the existing lw35nfs.zip support using \texttt{T1/TS1}, but much simpler (lw35nfs.zip is about 150k bytes while lw35nfsa.zip is about 800k bytes). It includes needed additions to dvips’s psfonts.map, TFM metric files for \TeX, FD font definition files, and STY files for \TeX. Author: Berthold K. P. Horn; CTAN location: fonts/psfonts

ly1 Support for \texttt{LY1} \TeX\ encoding, i.e. The Y&Y texnansi (\TeX\ ‘n ANSI) encoding. \latex\ Author: unknown; CTAN location: macros/latex/contrib/supported/psnfssx/ly1

m-pictex Solves the ‘out of dimen’ problem that sometimes occurs when using PiCT\TeX\ (especially together with \TeX). Author: Tobias Burnus; CTAN location: macros/context/cont-tfm

macbibtex Builtin\TeX\ for the Macintosh. A part of Builtin\TeX\ which is distributed with Oz\TeX\ for the Macintosh OS. Author: Vince Darley; CTAN location: systems/mac/oztex

macgreek Greek language support. Author: Apostolos Syropoulos; CTAN location: language/greek/package-babel/encodings

magaz Magazine layout. Provides several functions that are used in many magazines’ layout. Current version only does specific formatting for the first line of text in a paragraph. Author: Donald Arseneau; CTAN location: macros/latex/contrib/other/misc

mailing Macros for mail merging. \latex\ Author: unknown; CTAN location: macros/latex/contrib/supported/mailing

makecmds The new \texttt{\makecommand} command always (re)defines a command. The package provides a \texttt{\makecommand} command, which is like \texttt{(re)newcommand} except it always (re)defines a command. There is also \texttt{\makeenvironment} and \texttt{\provideenvironment} for environments. Author: Peter R. Wilson; CTAN location: macros/latex/contrib/supported/misc

makefonts Shell scripts to generate pk files. This package contains shell scripts which generate the required pk files. Some people prefer to generate a basic set of pk files, leaving the automatic font generation mechanism for esoteric fonts. This is based on the script aclcm. Author: Volker Kuhlmann; CTAN location: fonts/utilities/makefonts

makeglos Include a glossary into a document. A \TeX\ package to include a glossary into a document. The glossary must be prepared by an external program, like xindy or makeindex, in the same way that an index is made. Author: Thomas Henlich; CTAN location: macros/latex/contrib/supported/makeglos

makeidx Standard \TeX\ package for creating indexes. Author: \TeX\ Project Team; CTAN location: macros/latex/base

makeindex A general purpose hierarchical index generator; it accepts one or more input files (often produced by a text formatter such as \TeX or troff), sorts the entries, and produces an output file which can be formatted. The formats of the input and output files are specified in a style file; by default, input is assumed to be an idx file, as generated by \TeX. Author: Pehong Chen and Nelson H. F. Beebe; CTAN location: indexing/makeindex

malayalam Fonts for typesetting Malayalam, with a pre-processor. \texttt{lang3} Author: Jeroen Hellingman; CTAN location: language/malayalam

malvern A new sans-serif font family. \texttt{fonts3} Author: Damian Cugley; CTAN location: fonts/malvern

manfnt \TeX\ support for the \TeX\ book symbols. A package for easy access to the symbols of the manfnt, such as Dangerous Bend and Man-errata Arrow. Author: Axel Kielhorn; CTAN location: macros/latex/contrib/supported/manfnt
manyfoot

Implements a command, `\newfootnote`, that adds footnote levels to the standard \LaTeX's footnote mechanism. Footnotes of every additional level are automatically grouped together on a \LaTeX\,2ε output page and are separated from another levels by the special vertical spaces. The command `\newfootnote` allows customisation of the way footnotes of additional level be represented in \LaTeX\,2ε documents. Two customisation styles are available now: the plain style is the ordinary \LaTeX\,2ε's style of footnote representation; the para style causes footnotes to be typeset as a run-in paragraph.

Author: A. I. Rozhenko; CTAN location: macros/latex/contrib/supported/nccctools

mapcodes

Support for multiple character sets and encodings.

latex3
Author: unknown; CTAN location: macros/latex/contrib/supported/mapcodes

maple
Styles and examples for the MAPLE newsletter.

latex3
Author: unknown; CTAN location: macros/latex/contrib/supported/maple

margbib
A package for displaying bibliography tags in the margins.

latex3
Author: Karsten Tinnefeld; CTAN location: macros/latex/contrib/supported/margbib

maposym-mac
A Macintosh version of the marvosym font. The files include both a PostScript and TrueType version, as well as configuration files to use the font with OzTeX. You still need the marvosym package separately.

Author: Rowland McDonnell; CTAN location: fonts/psfonts/marvosym/mac

maposym
A Type 1 font: Martin Vogels Symbole (marvosym) font. Martin Vogel's Symbol (marvosym) font is a font containing: the Euro currency symbol as defined by the European commission; Euro currency symbols in typefaces Times, Helvetica and Courier; Symbols for structural engineering; Symbols for steel cross-sections; Astronomy signs (Sun, Moon, planets); The 12 signs of the zodiac; Scissor symbols; CE sign and others.

Author: Thomas Henlich; CTAN location: fonts/psfonts/marvosym

mathcmd
Provides a slightly modified version of the commands for making integrals and sums. Moreover, it provides commands to deal with derivatives and vector operators.

Author: Francesco Bosisio; CTAN location: macros/latex/contrib/supported/bosisio

mathcomp
A package which provides access to some interesting characters of the Text Companion fonts (TS1 encoding) in math mode.

Author: Tilmann Boess; CTAN location: macros/latex/contrib/supported/mathcomp

mathenv
Defines some often useful math-mode environments. The “Equation” environment is defined as having an optional argument used as a label. The “MultiLine” environment is used for long formulas that don’t fit on a single line, but no ampersand mark is needed, since all lines but the first are automatically indented by a predefined amount of space. The “System” environment is for grouping a set of equations with one number and with an enclosing left brace. These two environments also have an optional argument used as a label. All the above environments have a *-form, which does not generate a number.

Author: Francesco Bosisio; CTAN location: macros/latex/contrib/supported/bosisio

mathinst
A script to create proper math fonts for use by \TeX\ and \LaTeX\ using one the family of Roman types and the raw math fonts (any of the commercial MathTime, Euler, or Lucida New Math fonts). All fonts are properly scaled for compatibility with the Roman fonts.

Author: Alan Hoenig; CTAN location: fonts/utilities/mathinst

mathkit
Creates math fonts that match outline fonts (Times Palatino, and others) for typesetting math with \TeX.

Author: Alan Hoenig; CTAN location: fonts/utilities/mathkit
The Pazo Math fonts are a family of PostScript fonts suitable for typesetting math in combination with the Palatino family of text fonts. The Pazo Math family is made up of five fonts provided in Type1 format (PazoMath, PazoMath-Italic, PazoMath-Bold, PazoMath-BoldItalic, and PazoMathBlackboardBold). These contain, in designs that suit Palatino, glyphs that are usually not available in Palatino and for which Computer Modern looks odd when combined with Palatino. These glyphs include the uppercase Greek alphabet in upright and slanted shapes in regular and bold weights, the lowercase Greek alphabet in slanted shape in regular and bold weights, several math glyphs (partialdiff, summation, product, coproduct, emptyset, infinity, and proportional) in regular and bold weights, other glyphs (Euro and dotlessj) in upright and slanted shapes in regular and bold weights, and the uppercase letters commonly used to represent various number sets (C, I, N, Q, R, and Z) in blackboard bold. The \LaTeX{} macro package mathpazo.sty defines the Palatino family as the default roman font and uses the virtual mathpazo fonts, built around the Pazo Math family, for typesetting math in a style that suits Palatino.

Author: Diego Puga; CTAN location: fonts/mathpazo

Use PostScript Palatino for typesetting maths. The package defines the PostScript font family ‘Palatino’ (ppl) as the default roman font and then uses the ‘mathpplle’ fonts for typesetting math. These virtual fonts have been created for typesetting math in a style that suits the Palatino text fonts. The AMS fonts, when used additionally, will be scaled to fit Palatino.

Author: Walter Schmidt; CTAN location: fonts/mathpplle

Math's rsfs (Ralph Smith's Fancy Script) font support.

Author: Joerg Knappen; CTAN location: macros/latex/contrib/jknappen

An XWindows WYSIWYG structure editor implementing stencils which define two views of a document, the on-screen view and the output view (which might be \LaTeX{}, \TeX{}, HTML, troff).

Author: unknown; CTAN location: support/mathspad

An MS-DOS filter program for use with PiCT\TeX{}. Maths\pic{} parses a plain text input file and generates a plain text output file containing PiCT\TeX{} and \TeX{} commands, which can then be \TeX{}ed in the usual way. It also outputs a comprehensive log file. Maths\pic{} facilitates creating figures using PiCT\TeX{} by providing an environment for manipulating named points and also allows the use of variables and maths (advance, multiply, and divide) - in short - it takes the pain out of PiCT\TeX{}.

Author: Dick Nickalls; CTAN location: graphics/pictex/mathspic

The Mathtime fonts have a number of characters remapped to positions different from the ones normally used by the corresponding \TeX{} CM-fonts. For the symbol font “operators” the corresponding mathtime style files use the Times Roman font (often called something like: ptmr or ptm7t or ptmrq).

Author: Aloysius Helminck; CTAN location: fonts/metrics/adobe/mathtime

A literate programming system for Matlab. A literate programming system for the Matlab language. Similar to CWEB, created with a slightly modified version of the Spider system. Can be used with plain \TeX{} or \LaTeX{}, the latter with help from the weeb files package.

Author: Mark Potse; CTAN location: web/matlabweb

Support for collapsing multiple citations into one, as customary in physics journals.

Author: unknown; CTAN location: macros/latex/contrib/mcite

Miscellaneous tools by Mark Wooding. This collection of tools includes support for \$, a doafter command, footnotes, mathenv for various alignment in maths, list handling, trivial maths oddments, rewrite of \LaTeX{}'s tabular and array environments, verbatim handling, and syntax diagrams.

Author: Mark Wooding; CTAN location: macros/latex/contrib/mdwtools

A GNU Emacs Lisp package that implements a major mode for editing MetaFont or MetaPost sources. It provides many features commonly found in Emacs editing modes for programming languages, such as automatic indenting of source code, syntactic highlighting (a.k.a. fontification), symbol completion, as well as miscellaneous other basic editing functions adapted to the mode-specific semantics such as motion commands or commands to mark, reindent, or comment-out environments or regions.

Author: Ulrik Vieth; CTAN location: support/emacs-modes

Some Experiences in Running METAFONT and MetaPost.

Author: Peter R. Wilson; CTAN location: info
metapost A tool based on MetaFont for producing precise technical illustrations, creating scalable PostScript instead of bitmaps.
Author: John Hobby; CTAN location: graphics/metapost

method Typeset method and variable declarations. This \LaTeX{} package supports the typesetting of programming language method and variable declarations. It includes an option to typeset in French.
Author: Thomas Leineweber; CTAN location: macros/latex/contrib/method

mex A Polish format for \TeX{}.
MeX is an adaptation of Plain \TeX{} and \ttex{}209 formats to the Polish language and to the Polish printing customs. It contains a complete set of MetaFont sources of Polish fonts, hyphenation rules for the Polish language and sources of formats.
Author: B. Jackowski, M. Rycko; CTAN location: language/polish

mf-ps A MetaFont-PostScript link. A MetaFont package including: epstomf a tiny AWK script for converting EPS files into MF lingo; and mftoeps for generating (encapsulated) PostScript files readable, e.g., by CorelDRAW!, Adobe Illustrator and Fontographer. MetaFont writes PostScript code to a LOG-file, and from the LOG-file the code can be extracted by either \TeX{} or AWK.
Author: B. Jackowski; CTAN location: graphics/MF-PS

mf2pt Perl script to generate PostScript Type 3 fonts from MetaFont sources by processing MetaPost output.
Author: Apostolos Syropoulos; CTAN location: fonts/utilities/mf2pt

mff A package to provide something similar to ‘multiple master’ fonts, but using MetaFont; you specify a font by a set of MetaFont parameters, and \TeX{} makes up an mf file to generate the required font; this package is not integrated with NFSS (or MakeTeXTFM) yet fun.
Author: Sasha Berdnikov; CTAN location: macros/latex/contrib/mff

mflogo \I-Tex{} support for MetaFont and logo fonts. \I-Tex{} package and font definition file to access the Knuthian ‘logo’ fonts described in ‘The MetaFontbook’ and the MetaFont and logos in \I-Tex{} documents. (CTAN: fonts/mflogo)
Author: Ulrik Vieth; CTAN location: macros/latex/contrib/mflogo

mfnss Font description files to use extra fonts like yinit and ygoth.

mfpic Macros which generate MetaFont code for drawing pictures.

mhequ Multicolumn equations, tags, labels, sub-numbering. MHeq simplifies the creation of multi-column equation environments, and to tag the equations therein. It supports sub-numbers of blocks of equations (like \{(1.2a), (1.2b), etc.) and references to each equation individually (1.2a) or to the whole block (1.2). The labels can be shown in draft mode.
Author: Martin Hairer; CTAN location: macros/latex/contrib/other/mhequ

mhs No description available.

midnight A set of useful macro tools.

generic3 Author: unknown; CTAN location: macros/generic/midnight

midpage Environment for vertical centering.
Author: Peter Wilson; CTAN location: macros/latex/contrib/misc

miktex-axp A port of MiKTeX to MS-Windows-NT on the Alpha.
Author: Alexander Dong; CTAN location: systems/win32/miktex-AXP

miktex A free \TeX{} distribution for MS-Windows32. A distribution of \TeX{} and friends for MS-Windows95 and MS-Windows-NT. Features include easy installation and configuration, and full \TeX{} and \ttex{} support. MiKTeX includes a ‘basic’ distribution which is a (useful) sub-set of the complete distribution removing pdf\ttex, Computer Modern PostScript Fonts, AMSFonts, PostScript Fonts, MetaPost Texinfo, Makeinfo, and Web. The TEXMF tree is a subset of the standard \TeX{} TEXMF. A command-line utility, ‘texify’, simplifies the production of DVI (PDF) documents by automatically invoking \ttex{} (pdf\ttex), Makeindex, and Bibtex as many times as necessary to produce a DVI (PDF) file with sorted indices and all cross-references resolved.
Author: Christian Schenk; CTAN location: systems/win32/miktex
mil3  Samples from Math into \LaTeX.
    Author: George Gratze; CTAN location: info/mil3
miniltx  Part of the plain \TeX graphics collection which allows the use of \LaTeX's graphics, colour, and picture mode commands in plain \TeX based formats.
    Author: David Carlisle; CTAN location: macros/plain/graphics
minitoc  Produce a table of contents for each chapter.
latex3  Author: Jean-Pierre Drucbert; CTAN location: macros/latex/contrib/supported/minitoc
minutes  Package for writing minutes of meetings. Supports the creation of a collection of minutes. Features include: Support of tasks (who, schedule, what, time of finishing; possibility of creating a list of open tasks; inclusion of open tasks from other minutes); Support of attachments; Support of schedule dates (in planning; support of calendar.sty); Different versions ('secret parts'); Macros for votes and decisions (list of decisions).
    Author: Knut Lickert; CTAN location: macros/latex/contrib/supported/minutes
mirror  PostScript mirror header (for dvips). A small header for making a mirror of dvipsed files.
generic2  Author: BOP; CTAN location: macros/generic/TeX-PS
mitpress  Support for MIT Press.
    Author: unknown; CTAN location: macros/latex/contrib/misc
mkpic  A Perl interface to mfpic making it possible to enter simple commands with tab separated arguments and without braces/brackets to design figures. The script produces a style file, mkpic.sty, containing one \LaTeX command for each picture.
    Author: Wybo H. Dekker; CTAN location: support/mkpic
mla  A bibliography style for the Modern Language Association’s manual of style.
    Author: Thomas Weissert; CTAN location: biblio/bibtex/contrib/mla
mlbib  Support for multilingual bibliographies.
    Author: Wenzel Matiaske; CTAN location: macros/latex/contrib/supported/mlbib
mltex  Support for M\LaTeX, the multilingual \TeX extension from Michael J. Ferguson.
l2  Author: Bernd Raichel; CTAN location: macros/latex/contrib/supported/mltex
mmtfm  Font metrics for multiple-master font. Creates an AFM file (font metrics) corresponding to an instance of a multiple-master font by interpolating at a given point in a multiple master’s design space. It reads the AMFM and AFM files distributed with the font.
    Author: Eddie Kohler; CTAN location: fonts/utilities/mmtools
mmpfb  Create instance of multiple-master font. Creates a normal, single-master font program which looks like an instance of a multiple-master font. It reads the multiple master font program in PFA or PFB format.
    Author: Eddie Kohler; CTAN location: fonts/utilities/mmtools
mmtools  Multiple master fonts tools. Two tools for working with multiple master fonts: mmtfm creates an AFM by interpolating at a given point in a multiple master’s design space; mmpfb creates a “normal” PFB font by interpolating at a given point in a multiple master’s design space.
    Author: Eddie Kohler; CTAN location: fonts/utilities/mmtools
    Author: unknown; CTAN location: macros/latex209/contrib/mnras
modes  A collection of MetaFont mode.dfs. Also includes common definitions for write/white printers, ‘special’ information, and landscape mode.
    Author: Karl Berry; CTAN location: fonts/modes
monotype  Font metrics, and macro support in \LaTeX, for a large set of Monotype fonts.
fonts3  Author: unknown; CTAN location: fonts/psfonts/monotype
montex  Mongolian \LaTeX. \MonTeX provides Mongolian support for \LaTeX (now Cyrillic, but soon also Classical Mongolian).
    Author: Oliver Corff; CTAN location: language/mongolian/montex
lang3  Classical Mongolian.
moredfs  \LaTeX defining, expansion, and debugging commands. A \LaTeX package providing numerous defining, expansion, and debugging commands for programming in \LaTeX and writing \LaTeX packages and classes.
    Author: Matt Swift; CTAN location: macros/latex/contrib/supported/frankenstein
morefloats  Increase the number of simultaneous \LaTeX floats. \LaTeX can, by default, only cope with 18 outstanding floats; any more, and you get a ‘too many unprocessed floats’ error. This package increases that limit to 36 outstanding floats. However, if you’re specifying floats that can’t be placed anywhere, the package merely delays the arrival of the error message.

Author: Don Hosek; CTAN location: macros/latex209/contrib/misc

morehelp  A package to enhance \LaTeX\2\e error messages by providing descriptions of the possible causes including those that may not be obvious. This style is effectively an online substitute for error lists found in the \LaTeX books, although it cannot completely replace them. Only true \LaTeX errors are included; \TeX errors are beyond the reach of ordinary macros.

Author: Olaf Kummer; CTAN location: macros/latex/contrib/supported/morehelp

moresize  Allows font sizes up to 35.83pt. A package for using font sizes up to 35.83pt, for example with the new EC fonts. New commands \texttt{\Huge} and \texttt{\small} for selecting font sizes are provided together with some options working around current \LaTeX\2\e shortcomings in using big font sizes. The package also provides options for improving the typesetting of paragraphs (or headlines) with embedded math expressions at font sizes above 17.28pt.

Author: Christian Cornelssen; CTAN location: macros/latex/contrib/other/moresize

moreverb  Extended verbatim. A verbatim mode that can handle TABs properly, can number lines, can number lines in an included file, can produce boxed verbatims, etc.

Author: Robin Fairbairns, Angus Duggan, Rainer Schoepf and Victor Eijkhout; CTAN location: macros/latex/contrib/supported/moreverb

morse  A package for printing Morse code signs.

Author: unknown; CTAN location: fonts/morse

mparhack  A workaround for the \LaTeX bug in marginpars. Implements a workaround for the \LaTeX bug that marginpars will sometimes come out at the wrong margin.

Author: Stefan Ulrich; CTAN location: macros/latex/contrib/supported/mparhack

mpattern  Patterns in MetaPost. A package for defining and using patterns in MetaPost, using the Pattern Color Space available in PostScript Level 2.

Author: Piotr Bolek; CTAN location: graphics/metapost/macros/mpattern

mpfnmark  A package which provides the command \texttt{\mpfootnotemark}, which can be used in the same way as \texttt{\footnotemark}. The difference between these two macros is that within minipage environments the latter uses the standard footnote marker style (defined by \texttt{\thefootnote}), while the new command uses the minipage footnote marker style (defined by \texttt{\thempfootnote}).

Author: Wolfgang Kowarschick; CTAN location: macros/latex/contrib/other/mpfnmark

ms  Various \LaTeX packages by Martin Schröder.

Author: Martin Schröder; CTAN location: macros/latex/contrib/supported/ms/contrib

mslapa  \LaTeX and Bib\TeX style files for a respectably close approximation to APA (American Psychological Association) citation and reference style.

Author: unknown; CTAN location: macros/latex/contrib/supported/mslapa

mt11p  A package to use the MathTime and MathTimePLUS (“MathTime complete”) fonts in \LaTeX\2\e. Everything is included, incl. (patched) font metrics, except, of course, the fonts themselves. The package cooperates with the AMS packages (amsmath, amssymb, etc.) T1 and OT1 encodings (as operator fonts!) are fully supported. It does not assume you own any other commercial (non-resident) fonts. This package has no connection with the “mathtime” package by Frank Mittelbach and David Carlisle, commissioned by Y&Y.

Author: Drahoslav Lim; CTAN location: fonts/mt11p

mtbe  Examples from Mathematical \TeX by Example by Arvind Borde.

Author: unknown; CTAN location: macros/plain/contrib/mtbe

multenum  Multi-column enumerated lists.

Author: unknown; CTAN location: macros/plain/contrib/multenum

multibib  Multiple bibliographies within one document. Allows the creation of references to multiple bibliographies within one document. It thus provides complementary functionality to packages like bibunits and chapterbib, which allow the creation of one bibliography for multiple, but different parts of the document. It is compatible with inlinebib, natbib, and koma-script.

Author: Thorsten Hansen; CTAN location: macros/latex/contrib/supported/multibib
multicol A package to intermix single and multiple columns. This package allows, for example, to shift between two and one columns anywhere.
Author: Frank Mittelbach; CTAN location: macros/latex/required/tools

multido A loop facility for \TeX. A loop facility for \TeX.
Author: Timothy Van Zandt; CTAN location: macros/generic/multido

multirow A package to create tabular cells spanning multiple rows. Includes an option for specifying multirows with a “natural” column width.
Author: Piet van Oostrum; CTAN location: macros/latex/contrib/supported/multirow

multitoc A \LaTeX package which automatically sets only the table of contents, list of figures and list of tables in two or more columns. The number of columns can be configured. Uses the multicol package.
Author: Martin Schroeder; CTAN location: macros/latex/contrib/supported/ms

music3 Typesetting music with \TeX.
Author: unknown; CTAN location: macros/music3ex

music3 Extended Music\TeX, with better slurs.
Author: unknown; CTAN location: macros/musixtex

latex3 Various \LaTeX packages written and supported by Alexander Rozhenko.

latex3 An attempt to provide similar features. Newclude is more ambitious, but includeX is still more successful in certain ways.
Author: Matt Swift; CTAN location: macros/latex/contrib/frankenstein/unsupported
newlfm\textit{ latex3} Write letters, facsimilies, and memos. Integrates the letter class with fancyhdr and geometry to automatically make letterhead stationary. Useful for writing letters, fax, and memos. You can set up an address book using “wrapper” macros. You put all the information for a person into a wrapper and then put the wrapper in a document. The class handles letterheads automatically. You place the object for the letterhead (picture, information, etc.) in a box and all sizing is set automatically.
Author: Paul Thompson; CTAN location: macros/latex/contrib/supported/newlfm

newsletr Macros for making newsletters.
plain3 A modified version of the theorem-style which provides generation of lists of theorems. This has been superseded by ntheorem.
Author: Andreas Schlechte; CTAN location: macros/latex/contrib/other/newthm

newvb tm Define your own verbatim-like environment. Defines general purpose macro named \newverbatim to define your own verbatim-like environment. It also has a supplementary style file varvbtm.sty to provide set of macros for variants of verbatim, such as tab emulation.
Author: Hiroshi Nakashima; CTAN location: macros/latex/contrib/supported/newvbtm

nextpage Generalisations of the \clear...page and \newpage commands.
Author: Peter Wilson; CTAN location: macros/latex/contrib/supported/misc

niceframe Support for fancy framing of pages.
latex3 Author: unknown; CTAN location: macros/latex/contrib/supported/niceframe

nomencl Produce lists of symbols as in nomenclature. Produces lists of symbols using the capabilities of the MakeIndex program.
Author: Bernd Schandl; CTAN location: macros/latex/contrib/supported/nomencl

nonfloat Non-floating table and figure captions. Adjusts the figure and table environments to ensure that centered objects as one line captions are centered as well. Also the vertical spaces for table captions above the table are changed.
Author: Kai Rasche; CTAN location: macros/latex/contrib/supported/nonfloat

nopageno No page numbers in \LaTeX\ documents. \LaTeX’s standard styles use two page styles, one on normal pages and one on ‘opening’ pages with \maketitle or \chapter etc. Unfortunately there is only easy access to changing one of these two so if you want something other than ‘plain’ on the opening pages you must use \thispagestyle on each such page. The fancyhdr package does provide a more flexible interface, but if you just want an empty page style on all pages then this package will do the job.
Author: David Carlisle; CTAN location: macros/latex/contrib/supported/carlisle

norbib Norwegian adaptations of the four standard \BibTeX\ style files.
Author: Dag Langmyhr; CTAN location: biblio/bibtex/contrib/norbib

notocite Prevent erroneous numbering of cites when using \BibTeX/unsrt.
Author: Donald Arseneau; CTAN location: macros/latex/contrib/other/misc

ncrc Format of the NRC Canadian Journal of Physics.
latex3 Author: Robin Fairbairns; CTAN location: macros/latex/contrib/supported/carlisle

ntabbing Simple tabbing extension for automatic line numbering. An extension of the tabbing environment that supports automatic line numbering. The lines can be referenced using the standard \label and \ref mechanism.
Author: Gideon Stupp; CTAN location: macros/latex/contrib/other/ntabbing

ntg Dutch \TeX\ Users Group information.
doc3 Author: unknown

ntgclass Versions of the standard \LaTeX\ article and report classes, rewritten to reflect a more European design, by the Dutch \TeX\ Users Group.
latex3 Author: unknown; CTAN location: macros/latex/contrib/supported/ntgclass

ntheorem Enhanced theorem environment. Enhancements for theorem-like environments: easier control of layout; proper placement of endmarks even when the environment ends with \end{enumerate} or \end{displaymath} (including support for amsthm displayed-equation environments); and support for making a list of theorems like \listoffigures.
Author: Wolfgang Andreas Schlechte; CTAN location: macros/latex/contrib/supported/nttheorem

numline Macros for numbering lines.
l latex3 Author: unknown; CTAN location: macros/latex/contrib/supported/numline
oands  Characters used as symbols when transliterating ancient scripts.
   Author: Peter R Wilson; CTAN location: fonts/archaic/oands
objectz  Macros for typesetting Object Z.
latex3  Author: unknown; CTAN location: macros/latex/contrib/supported/objectz
oca  OCR font.
fonts3  Author: unknown; CTAN location: fonts/oca
ochem  Typeset chemical formulae with \TeX. A perl script to translate chemical formulae and reaction schemes into PostScript or \TeX. Includes a \TeX package to include the chemical reaction description in a \TeX document.
   Author: Ingo Kloeckl; CTAN location: support/ochem
ocr-a  Fonts for OCR-A.
fonts3  Author: unknown; CTAN location: fonts/ocr-a
ocr-b  Fonts for OCR-B.
Author: unknown; CTAN location: fonts/ocr-b
ogham  Fonts for typesetting Ogham script.
fonts3  Author: unknown; CTAN location: fonts/ogham
ogonek  Support for Polish typography and the ogonek.
latex3  Author: unknown; CTAN location: macros/latex/contrib/other/ogonek
oldstyle  Font information needed to load the cmmi and cmmib fonts for use to produce oldstyle numbers.
latex3  Author: unknown; CTAN location: macros/latex/contrib/other/oldstyle
omega  Omega.
   Author: Yannis Haralambous and John Plaice; CTAN location: systems/omega
omegabase  Basic support files for Omega.
omega2  Author: unknown
omegafonts  Omega fonts.
omega2  Author: unknown
onepagem  If the document has only one page, omit page number. The page number must be produced by the usual means of \page. Requires two passes through to have effect.
   Author: Mike Piff; CTAN location: macros/latex/contrib/supported/piff
optional  Facilitate optional printing of parts of a document.
   Author: Donald Arseneau; CTAN location: macros/latex/contrib/other/misc
oriya  Typesetting the Oriya script using \TeX.
   Author: Jeroen Hellingman; CTAN location: language/oriya
oryia  Typesetting the Oriya script using \TeX.
   Author: Jeroen Hellingman; CTAN location: language/oriya
os2tex  A distribution of \TeX for OS/2 Warp.
   Author: Juergen Kleinboehl; CTAN location: systems/os2/os2tex
osmanian  Osmanian fonts by Alan Stanier for writing Somali.
fonts3  Author: unknown; CTAN location: fonts/osmanian
ot2cyr  Macros to use the OT2 Cyrillic encoding.
fonts2  Author: unknown; CTAN location: fonts/cyrillic/ot2cyr
outliner  Change section levels easily. Allows you to write “Level 2 \{Some heading\}” instead of the usual \section stuff; the definitions of the levels can then easily be changed. There is a mechanism for shifting all levels. This makes it easy to bundle existing articles into a compilation.
   Author: Victor Eijkhout; CTAN location: macros/latex/contrib/supported/outliner
overcite  Compressed lists of superscript numerical citations.
   Author: Donald Arseneau; CTAN location: macros/latex/contrib/supported/cite
overpic  Combine \TeX commands over included graphics. The overpic environment is a cross between the \TeX picture environment and the \includegraphics command of graphicx. The resulting picture environment has the same dimensions as the included eps graphic. \TeX commands can be placed on the graphic at defined positions. A grid for orientation is available.
   Author: Rolf Niepraschk; CTAN location: macros/latex/contrib/supported/overpic
overword \ Provides two macros which can be used as building blocks for the parsing of text. For an example of their use, see the calendar package.
- \ Author: Frank Bennett; CTAN location: macros/latex/contrib/supported/overword

oxford \ A Bib\TeX\ style for the humanities. It implements the Oxford style interpreted through the eye of a Swede working in the field of the history of ideas. It is based on Harvard and a heavily hacked bst-file generated with custom-bib. It currently only supports \cite{} and \citeonly{} and only in abbreviation mode.
- \ Author: Peter Antman; CTAN location: biblio/bibtex/contrib/oxford

bibtex3 \ A Bib\TeX\ style of citations for the humanities. It implements the Oxford style interpreted through the eye of a Swede working in the field of the history of ideas. It is based on Harvard and a heavily hacked bst-file generated with custom-bib. It currently only supports \cite{} and \citeonly{} and only in abbreviation mode.
- \ Author: Peter Antman; CTAN location: biblio/bibtex/contrib/oxford

oztex-german \ German version of oztex.
- \ Author: Lothar Meyer-Lerbs; CTAN location: systems/mac/oztex-german

oztex \ \TeX\ for the Macintosh.
- \ Author: Andrew Trevorrow; CTAN location: systems/mac/oztex

pacioli \ Fonts designed by Fra Luca de Pacioli in 1497. The font is uppercase letters together with punctuation and some alphabetics; no lowercase or digits.
- \ Author: Peter Wilson; CTAN location: fonts/pacioli

pagedraw \ A free vector-graphics program capable of creating EPS files suitable for inclusion in \TeX\ documents.
- \ Author: unknown; CTAN location: graphics/pagedraw

pageno \ A \TeX\ package that can re-define the plain page style under the control of options, so you can have page numbers: at the top or bottom of the page; in the inside corner, outside corner, or in the middle.
- \ Author: unknown; CTAN location: macros/latex/contrib/supported/pageno

pagesel \ Selecting shipout pages. Selects single pages, page areas, odd, or even pages for output.
- \ Author: Heiko Oberdiek; CTAN location: macros/latex/contrib/supported/oberdiek

pandey \ Support for the Bengali language.
- \ Author: Anshuman Pandey; CTAN location: language/bengali/pandey

pandora \ The Pandora font family.
- \ Author: Neenie Billawalla; CTAN location: fonts/pandora

paper \ A class derived from article, tuned for producing papers for journals. Introduces new layout options and font commands for sections/parts. Defines a new keywords environment, and subtitle and institution commands for the title section. New commands for revisions. And more.
- \ Author: Wenzel Matiaske; CTAN location: macros/latex/contrib/supported/paper

paralist \ Enumerate and itemize within paragraphs. Provides enumerate and itemize environments that can be used within paragraphs to format the items either as running text or as separate paragraphs with a preceding number or symbol.
- \ Author: Bernd Schandl; CTAN location: macros/latex/contrib/supported/paralist

parallel \ Provides a parallel environment which allows two columns of text to be typeset. Useful for typesetting two languages side-by-side.
- \ Author: unknown; CTAN location: macros/latex/contrib/supported/parallel

parskip \ Layout with zero \parindent, non-zero \parskip. Simply changing \parindent and \parskip leaves a layout that is untidy; this package (though it is no substitute for a properly-designed class) helps alleviate this untidiness.
- \ Author: Robin Fairbairns; CTAN location: macros/latex/contrib/other/misc

passivetex \ Support package for XML/SGML typesetting Packages providing XML parsing, UTF-8 parsing, Unicode entities, and common formatting object definitions for Jade\TeX.
- \ Author: Sebastian Rahtz; CTAN location: macros/passivetex

patch \ Macros for package management.
- \ Author: unknown

path \ A \LaTeX\ package to break long strings at convenient places. The strings might be directory paths, email addresses, URLs, etc.
- \ Author: Philip Taylor; CTAN location: macros/epplain

pawpict \ Using graphics from PAW. Support for the easy inclusion of graphics made by PAW (Physics Analysis Workstation). You need to have PAW installed on your system to benefit from this package. This package is now obsolete and will not be supported anymore.
- \ Author: Christian Holm; CTAN location: macros/latex/contrib/other/pawpict
pb-diagram A diagram package using LAMS\TeX or Xy-pic fonts.
latex3 Author: Paul Burchard; CTAN location: macros/latex/contrib/supported/pb-diagram
pbmtogf Convert pbm images to gf font files. A utility to convert a pbm (portable bitmap) file to a gf (font) and a pl (perl) file, effectively creating a font from the bitmap. The font can then be used in any \TeX files.
Author: Wai Wong; CTAN location: fonts/utilities/pbmtogf
pcfonts Support for Hebrew.
Author: Rama Porrat; CTAN location: language/hebrew/fonts/pccode
pdcmac Damian Cugley's macro tools.
plain3 Author: unknown; CTAN location: macros/plain/contrib/pdcmac
pdfscreen Support screen-based document design. An extension of the hyperref package to provide a screen-based document design. This package helps to generate pdf documents that are readable on screen and will fit the screen's aspect ratio. Also it can be used with various options to produce regular print versions of the same document without any extra effort.
Author: C. V. Radhakrishnan; CTAN location: macros/latex/contrib/supported/pdfscreen
pdfslide Presentation slides using pdftex. This is a package for use with pdftex, to make nice presentation slides. Its aims are: to devise a method for easier technical presentation; to help the mix of mathematical formulae with text and graphics which the present day wisiwyg tools fail to accomplish; to exploit the platform independence of \TeX so that presentation documents become portable; and to offer the freedom and possibilities of using various backgrounds and other embellishments that a user can imagine to have in as presentation.
Author: C. V. Radhakrishnan; CTAN location: macros/latex/contrib/supported/pdfslide
pdftex-djgpp A \PDF\TEX executable compiled with DJGPP v.2.01, to be used with the DJGPP v.2.01 port of web2c for MS-DOS and MS-Windows 95.
Author: Weiqi Gao; CTAN location: systems/pdftex/bin/DJGPP
pdftex Generate PDF from \TeX directly. An extension of \TeX which directly generates PDF documents instead of DVI. This is under development and regarded as beta software. It is, non-the-less, quite reliable, and produces good PDF. Various \TeX distributions, including teTeX and MiKTeX include pdftex and pdflatex.
Author: unknown; CTAN location: systems/pdftex
pdftex'oztex Pdftex designed to run with OzTeX.
Author: Tom Kiffe; CTAN location: systems/mac/pdftex
permute Support for symmetric groups. A package for symmetric groups, allowing you to input, output, and calculate with them.
Author: Carsten Heinz; CTAN location: macros/latex/contrib/supported/permute
pf2afm AFM generator for Adobe Type 1 fonts. A PostScript program for generating missing AFM files from PFB/PFA and (optionally) PFM font files.
Author: BOP; CTAN location: fonts/utilities/pf2afm
phoenician Fonts for the semitic script in use from about 1600 BC. This font formed the basis for all the world's alphabets. Mirrored forms are provided for typesetting either left-to-right or right-to-left (as the Phoenicians did).
Author: Peter Wilson; CTAN location: fonts/archaic/phoenician
phonetic MetaFont Phonetic fonts, based on Computer Modern.
fonts3 Author: unknown; CTAN location: fonts/phonetic
photo A float environment for photographs. This package introduces a new float type called photo which works similarly to the float types table and figure. Various options exist for placing photos, captions, and a “photographer” line. In two-column documents, a possibility exists to generate double-column floats automatically if the photo does not fit into one column. Photos do not have to be placed as floats, they can also be placed as boxes, with captions and photographer line still being available.
Author: Volker Kuhlmann; CTAN location: macros/latex/contrib/supported/photo
phppcf A Bin\TeX style derived from apalike with author names in all caps.
Author: unknown; CTAN location: macros/latex/contrib/supported/photo
physe PHYSE format.
formats3 Author: unknown; CTAN location: macros/physe
phyzzx  A \TeX{} format for physicists.

\texttt{format3}  Author: unknown; CTAN location: \texttt{macros/phyzzx}

\texttt{picinpar}  Insert pictures into paragraphs. (NOTE: Piet van Oostrum does not recommend this package. Picins is recommended instead.)

\texttt{latex3}  Author: unknown; CTAN location: \texttt{macros/latex209/contrib/picinpar}

\texttt{picts}  Author: unknown; CTAN location: \texttt{graphics/pictex}

\texttt{pictex}  Add relative coords and rules for dots in plots. Adds two user commands to standard \PiCT\TeX{}. One command uses relative coordinates, thus eliminating the need to calculate the coordinate of every point manually as in standard \PiCT\TeX{}. The other command modifies \texttt{plot} to use a rule instead of dots if the line segment is horizontal or vertical.

\texttt{piff}  Macro tools by Mike Piff.

\texttt{latex3}  Author: Mike Piff; CTAN location: \texttt{macros/latex/contrib/piff}

\texttt{piq}  MetaFont package for the Klingon language with okuda orthography.

\texttt{latex3}  Author: Olaf Kummer; CTAN location: \texttt{fonts/okuda/modified}

\texttt{pitthesis}  Document class for University of Pittsburgh theses.

\texttt{latex3}  Author: Wonkoo Kim; CTAN location: \texttt{macros/latex/contrib/pitthesis}

\texttt{pkfind}  The TDS standard specifies that pk and gf files contain \texttt{\special} strings to identify the contents of pk and gf files. \texttt{pkfind} is a variant of the GNU find utility modified to understand those specials, and to act on them in some cases. For example, it can be used to delete all pk files created by gsftopk from a subdirectory tree.

\texttt{pl-mf}  The Polish extension of Computer Modern fonts in \texttt{MF} sources. The Polish extension of Computer Modern fonts (compatible with CMs); to be used with Polish \TeX{} formats; actually, a part of MeX distribution.

\texttt{fonts2}  Author: B. Jackowski and M. Ryćko; CTAN location: \texttt{language/polish}

\texttt{pl-qx}  \PiCT\TeX{} support for extra Polish fonts (antyktor, qfonts). \PiCT\TeX{} support (ft, sty files) for extra Polish fonts (antyktor, qfonts).

\texttt{fonts2}  Author: Piotr Kłosowski; CTAN location: \texttt{fonts/psfonts/polish}

\texttt{pl}  Literate Programming for Prolog with \PiCT\TeX{}.

\texttt{latex3}  Author: unknown; CTAN location: \texttt{macros/latex/contrib/pl}

\texttt{placeins}  Control float placement. Defines a \texttt{\FloatBarrier} command, beyond which floats may not pass; useful, for example, to ensure all floats for a section appear before the next \texttt{section} command.

\texttt{plain}  Make plain \TeX{} files \texttt{\LaTeX}able.

\texttt{plain2}  Author: David Carlisle; CTAN location: \texttt{macros/latex/contrib/other/misc}

\texttt{plainmisc}  Miscellaneous useful macros for plain \TeX{}.

\texttt{plain2}  Author: unknown; CTAN location: \texttt{macros/plain/contrib/misc}

\texttt{plaintex}  Basic Plain \TeX{} macros.

\texttt{plain1}  Author: Donald Knuth

\texttt{plari}  A document class for typesetting stageplay scripts.

\texttt{latex3}  Author: Antti-Juhani Kaijanaho; CTAN location: \texttt{macros/latex/contrib/plari}

\texttt{platex}  Typset Polish documents with \PiCT\TeX{} and Polish fonts. Tools to typeset documents in Polish using \texttt{\LaTeX} 2e with Polish fonts (so-called PL fonts), or EC fonts, and CM fonts.

\texttt{lang2}  Author: M. Olko and M. Wolinski; CTAN location: \texttt{language/polish}

\texttt{play}  Typeset plays. A class and style file that supports the typesetting of plays, including options for line numbering.

\texttt{latex3}  Author: James Kilfiger; CTAN location: \texttt{macros/latex/contrib/play}

\texttt{pcalendar}  Plain macros for making nice calendars.

\texttt{plain3}  Author: unknown; CTAN location: \texttt{macros/plain/contrib/calendar}
fonts2  Polish extension of Computer Modern fonts. These fonts are compatible with CM fonts; only Polish characters (as in EC/Cork encoding) and quotes are added. The fonts are distributed in METAFONT sources and in Type1 format.
Author: Multiple authors; CTAN location: language/polish

plgraph  {\LaTeX} graphics package with wrapper to allow it to be used with generic plain \TeX.
Author: unknown

plain3  No description available.
Author: unknown

plpsfont  Polish extension of Computer Modern fonts, PL fonts in Type1 (PostScript) format. Fonts use the same .tfm files as for .pk fonts generated by MetaFont. The new release of fonts was eventually adapted to the (mostly guessed) demands of the Windows environment. Still, the fonts are usable with \TeX; however, encoding files are now added, as Windows and \TeX use different encoding schemes.
Author: J. Nowacki; CTAN location: language/polish/plpsfont

pmcstex  \LaTeX{} in emTeX IDE/FrontEnd for EPM. A macro package that implements many (em)\TeX{} related features for the OS2 EPM editor. A menu item is added to the EPM menu, a new toolbar is provided, and hotkeys for some (La)\TeX{} commands are defined.
Author: Petr Mikulik; CTAN location: systems/os2/pmcstex

pmgraph  A set of extensions to \LaTeX{} picture environment, including a wider range of vectors, and a lot more box frame styles.
Author: Sasha Berdnikov; CTAN location: macros/latex/contrib/supported/pmgraph

poligraf  A \TeX{} macro package for prepress. A set of macros (employing PostScript) for the professional page preparation for prepress; includes color separation, crop-marks, color and gray scale bars, booklet preparation, etc.
Author: Janusz M. Nowacki; CTAN location: macros/generic/TeX-PS/poligraf

polish-doc  General \TeX{} and \LaTeX{} documentation in Polish.
Author: many people

doc3

polyglot  A package for \LaTeX{}\TeX{}{\LaTeX}2e multilingual support.
Author: Javier Bezos; CTAN location: macros/latex/contrib/other/polyglot

postcards  Facilitates mass-mailing of postcards (junkmail). A modification of the standard \LaTeX{} letter class which prints multiple, pre-stamped, 5.5” by 3.5” postcards (a US standard size) via the envlab and mailing packages. An address database is employed to address the front side of each postcard and a message is printed on the back side of all. An illustrative example is provided.
Author: Bil Kleb; CTAN location: macros/latex/contrib/other/postcards

poster  Scale PostScript images for larger media or tiling. Enlarge PostScript images and print them on larger media and/or tile them to print on multiple sheets. Supports foreign (non European A*) media sizes. An OS2 port (suitable also for DOS) is available (see the os2 sub-directory).
Author: Jos van Eijndhoven; CTAN location: support/poster

ppchtex  A package that can be used to typeset chemical formulas. The package is a separate module of the context macro package for \TeX{} (context is a full featured, parameter driven macro package, which fully supports advanced interactive documents). It is available as the file cont-ppc.zip.
Author: Hans Hagen; CTAN location: macros/context

ppower4  A postprocessor for PDF presentations created by pdflatex. A postprocessor for PDF presentations created by pdflatex. It can be used to prepare presentations which include pages building up step by step when viewed with Acrobat Reader (v4.x). The software is written in Java.
Author: Klaus Guntermann; CTAN location: unknown

prelim2e  Allows the marking of preliminary versions of a document.
Author: Martin Schröder; CTAN location: macros/latex/contrib/supported/ms

prettyref  Additional functionality for the \LaTeX{}2e label–reference mechanism allowing the “preformat” of all types of labels. This package is compatible with hyperref and other packages.
Author: unknown; CTAN location: macros/latex/contrib/supported/prettyref

progkeys  The file ‘programs.sty’ is intended to allow a parameterized way of typesetting programs with \LaTeX/.\LaTeX{} commands inside. The file ‘keywords.sty’ allows definition and use of sets of keywords that will be typeset with different fonts, according to the wish of the user.
Author: unknown; CTAN location: macros/latex/contrib/supported/progkeys
program Typesetting programs and algorithms.
latex3 Author: unknown; CTAN location: macros/latex/contrib/supported/program
proofs Macros for building proof trees.
latex3 Author: Paul Taylor; CTAN location: macros/generic/proofs/taylor
protext Literate programming package.
generic3 Author: Eitan M. Gurari
protocol Typeset meeting protocols.
Author: Thomas Leineweber; CTAN location: macros/latex/contrib/supported/protocol
prv Compile, preview, and print \LaTeX documents. A Perl script. Also includes prvps for PostScript previewing. Derived from LatexMk version 2.0.
Author: Wybo H. Dekker; CTAN location: support/prv
ps2eps Produce Encapsulated PostScript from single page PostScript. Produce Encapsulated PostScript Files (EPS/EPSF) from usual one-paged PostScript documents. It calculates correct Bounding Boxes for those EPS files and filters some special PostScript command sequences that can produce erroneous results on printers. EPS files are needed for including (scalable) graphics into \TeX documents. Other programs like “ps2epsi” don’t always calculate the correct bounding box (because the values are put on the PostScript stack which may get corrupted by bad PostScript code) or rounded it off so that clipping the EPS cut some part of the image. Therefore ps2eps uses a resolution of 144 dpi to get the correct bounding box. ps2eps needs perl, ghostscript and an ANSI-C compiler if your platform is not Linux, Solaris, Digital Unix or Windows 2000/9x/NT (binaries included).
Author: Roland Bless; CTAN location: support/ps2eps
psboxit Enables one to put a PostScript drawing behind a \TeX box. The drawing is parameterised by the position and the size of the \TeX box.
Author: unknown; CTAN location: macros/latex209/contrib/misc
psfig No description available.
generic3 Author: unknown
psfixbb Computes the BoundingBox of a PostScript file setting the BoundingBox comment in the file accordingly, using GhostScript, pnmfile and pnmcrop.
Author: Carsten Dominik; CTAN location: support/psfixbb
psfont Intended as a replacement for psfonts of psnfss, psfont uses one file for redefining all default fonts instead of one file for each font. It also contains all parts of psfonts.dtx which are not covered by this general concept (i.e., the pifonts, mathptm and two fl-files for Adobe Symbol and Adobe Zapf Dingbats). This file is specific to PostScript fonts.
Author: Sebastian Kirsch; CTAN location: macros/latex/contrib/supported/altfont
psfonts PostScript fonts for use with \TeX and \LaTeX. 
Author: unknown; CTAN location: fonts/psfonts
psfrag Allows \LaTeX constructions (equations, picture environments, etc.) to be precisely superimposed over \LaTeX figures, using your own favorite drawing tool to create an EPS figure and placing simple text “tags” where each replacement is to be placed, with PSfrag automatically removing these tags from the figure and replacing them with a user specified \LaTeX construction, properly aligned, scaled, and/or rotated.
Author: Michael Grant; CTAN location: macros/latex/contrib/supported/psfrag
psizzl A \TeX format from SLAC.
formats3 Author: Arthur Ogawa; CTAN location: macros/psizzl
pslatex Use PostScript fonts by default. A small package that makes \LaTeX default to ‘standard’ PostScript fonts. It is basically a merger of the times and mathptm styles from the psnfss suite of packages. You must have installed standard \LaTeX and the psfss PostScript fonts to use this package. The main novel feature is that the pslatex package tries to compensate for the visual differences between the Adobe fonts by scaling Helvetica by 90%, and ‘condensing’ Courier (i.e. scaling horizontally) by 85%. The package is supplied with a (unix) shell file for a ‘pslatex’ command that allows standard \LaTeX documents to be processed, without needing to edit the file.
Author: David Carlisle; CTAN location: macros/latex/contrib/supported/pslatex
psnfss-source Sources (makefiles and fontinst scripts) of the PSNFSS.
Author: Walter Schmidt; CTAN location: fonts/psfonts/psnfss-source
psnfss  Font support for common PostScript fonts. Font definition files, macros and font metrics for common PostScript fonts.
Author: Walter Schmidt; CTAN location: macros/latex/required/psnfss

psnfssx  Extra styles and encodings for PS fonts, including Y&Y encoding support.
Author: unknown; CTAN location: macros/latex/contrib/supported/psnfssx

pspicture  PostScript picture support. Replacement for core \LaTeX picture macros to use PostScript \texttt{special} commands.
Author: David Carlisle; CTAN location: macros/latex/contrib/supported/carlisle

psrip  Extracts images from PostScript files. A Perl-script to extract images from PostScript files. The images are saved into the current directory if no other directory is given with the \texttt{-d} parameter. If there is no BoundingBox specified in the extracted image you have to insert it by hand.
Author: Christian Lackas; CTAN location: support/psrip

psplit  Print selected pages from PostScript files.
Author: Peter Kleiweg; CTAN location: support/pssplit

pstoedit  Translate PostScript and PDF to other formats. Translate PostScript and PDF to other formats. Other formats include \texttt{gif}, FrameMaker \texttt{mif}, \texttt{Xfig}'s \texttt{fig}, \texttt{pdf}, \texttt{gnuplot}, MS-Windows \texttt{wmf}, CAD exchange format \texttt{dxf}, LightWave \texttt{3D} \texttt{tbo}, RenderMan \texttt{rib}, Real3D \texttt{rib}, Java \texttt{applet}, and \texttt{Idraw} format.
Author: Dr. Wolfgang Glunz; CTAN location: support/pstoedit

pstricks  PostScript macros for \LaTeX. An extensive collection of PostScript macros that is compatible with most \LaTeX macros packages, including Plain \LaTeX, \LaTeXe, \texttt{AMS-\LaTeX}, and \texttt{AMS-\LaTeXe}. Included are macros for color, graphics, pie charts, rotation, trees and overlays. It has many special features, including: a wide variety of graphics (picture drawing) macros, with a flexible interface and with color support. There are macros for coloring or shading the cells of tables.
Author: Timothy Van Zandt; CTAN location: graphics/pstricks

psutils  PostScript utilities. Utilities for manipulating PostScript documents, including page selection and rearrangement, resizing the page, arrangement into signatures for booklet printing, and page merging for n-up printing. Utilities include \texttt{psbook}, \texttt{pselect}, \texttt{pstops}, \texttt{psnup}, \texttt{presize}, \texttt{epsfit}.
Author: Angus Duggan; CTAN location: support/psutils

psconv  A converter from PostScript to Encapsulated PostScript. A PostScript program for converting one-page PostScript files into EPS (encapsulated PostScript) files acceptable by CorelDRAW!(R), Adobe Illustrator(TM) and Fontographer(R).
Author: BOP; CTAN location: support/ps_conv

psview  A PostScript previewer of PostScript files. A PostScript preamble providing an interactive environment for fast previewing of PostScript documents with GhostScript, enabling scaling rotation, grids, printing specified pages, on-line help etc.
Author: BOP; CTAN location: support/ps_view

punk  Donald Knuth's punk font. Donald Knuth's punk font
Author: Donald Knuth; CTAN location: fonts/punk

qfig  A DOS graphics program to generates output for \texttt{PiCT\LaTeX} and epic.
Author: William Ofosu-Amaah; CTAN location: support/qfig

qfonts  A collection of PostScript (Adobe Type 1) fonts in QX layout. Public domain Adobe Type 1 fonts; include Quasi-Palladio and Quasi-Times (regular, italic, bold and bold italic), based on URW's Palladio and Times. The fonts are encoded according to QX layout which facilitates multilingual and technical typesetting using \LaTeX, preserving usability in Windows applications.
Author: B. Jackowski; CTAN location: fonts/qfonts

qobitree  \LaTeX macros for typesetting trees.
Author: unknown; CTAN location: macros/latex/contri other/qobitree

qsymbols  For defining systematic mnemonic abbreviations, starting with \texttt{'} for math symbols and \texttt{"} for arrows, from the amssymb and stmaryrd packages.
Author: unknown; CTAN location: macros/latex/contri supported/qsymbols
quotchap A package for creating decorative chapter headings with quotations, a PostScript output device and the psnfss package are needed. The color package and a greyscale output device are recommended.

Author: Karsten Tinnefeld; CTAN location: macros/latex/contrib/supported/quotchap

quotes A package to automatically translate the character * to ‘‘ or ‘’ so that opening and closing quotes are correctly produced.

Author: Francesco Bosisio; CTAN location: macros/latex/contrib/supported/bosisio

qcm An experimental collection of extended CM fonts in PostScript Type 1 format. The collection contains fonts based on cmr10, cmbx10, cmti10, and cmbxti10: qcmr.pfb, qcmrri.pfb, qcmrb.pfb, qcmrbi.pfb (and .afm, .pfb, .tfm files). The original Computer Modern layout is extended to QX layout as an alternative to EC (Cork) encoding, usable also in Windows environment. Fonts can be adapted to any needed \TeX encoding; since they contain most common European characters, the fonts can serve, e.g., for preparing good PDF files.

Author: J. Nowacki; CTAN location: fonts/psfonts/polish/antp

ragged1 ragged left and ragged right options. Provides any \TeX format (including \LaTeX) with 'raggedleft' and 'raggedcenter' formatting of paragraphs while maintaining full control of hyphenation and degree of raggedness.

Author: unknown; CTAN location: macros/generic

ragged2e Defines \centering, \raggedleft, and \raggedright, and corresponding environments. A \LaTeX package which defines new commands \centering, \raggedleft, and \raggedright and new environments Center, FlushLeft, and FlushRight, which set ragged text and are easily configurable to allow hyphenation.

Author: Martin Schroeder; CTAN location: macros/latex/contrib/supported/ms

raggedr Set an entire document raggedright.

Author: James Kilfiger; CTAN location: macros/latex/contrib/other/misc

rail A C program and \LaTeX package to draw syntax diagrams specified in EBNF.

Author: Klaus Georg Barthelmann; CTAN location: support/rail

random Generates “random” numbers in \TeX. Generates pseudo-random integers in the range 1 to 2^{31}. Macros are to provide random integers in a given range, or random dimensions which can be used to provide random ‘real’ numbers, are also available.

Author: Donald Arseneau; CTAN location: macros/generic

rangecite Will turn a range of citations into something like [1..3]. Will turn a range of citations into something like [1..3].

Author: unknown; CTAN location: macros/latex209/contrib/misc

rawfonts A \LaTeX 2e package providing emulation of \LaTeX 2.09 documents which used low-level font commands such as $\texttt{\textbackslash tenrm}$.

Author: Alan Jeffrey; CTAN location: macros/latex/required/tools

rawprint Print raw Russian text. A package for “quick and dirty” printing of raw (i.e., non-\TeX) Russian texts by persons who do not have Russian printer fonts (but have Cyrillic \TeX). It makes various symbols “normal” letters and converts the “unisex” quote character “ into Russian-style << and >> quotes.

Author: Boris Veytsman; CTAN location: macros/latex/contrib/supported/koi8

rcs Use RCS (Revision Control System) tags in \LaTeX documents.

Author: unknown; CTAN location: macros/latex/contrib/supported/rcs

rcsinfo Support for the revision control system. A package to extract RCS (Revision Control System) information and use it in a \LaTeX document. For users of \LaTeX 2HTML rcsinfo.perl is included.

Author: Juergen Vollmer; CTAN location: macros/latex/contrib/supported/rcsinfo

realcalc Macros for real arithmetic calculations.

Author: unknown; CTAN location: macros/generic/realcalc

recipe A \LaTeX 2e class file to typeset recipes.

Author: Maurizio Moreti; CTAN location: macros/latex/contrib/other/recipe
references Bibliographic software supporting \TeX. REFERENCES is bibliographic software supporting preparation of scientific manuscripts, storage of bibliographic data of articles in periodicals, books and articles in books. Supports the \TeX document preparation systems including the Bib\TeX program and commercial word processors. REFERENCES allows import of bibliographic data from material downloaded in the MEDLINE format. Database functions allows retrieval of references by keywords, authors’ or editors’ names, date of publication, strings in title of article, in book title or journal names. Lists of references can be compiled in all (user-defined) formats required by the publishers of scientific journals.

refcheck Check references (in figures, table, equations, etc.). Intended to check references in a document, looking for numbered but unlabelled equations, for labels which are not used in the text, for unused bibliography references. It can also display label names in text near corresponding numbers of equations and/or bibliography references.

Author: Oleg Motygin; CTAN location: macros/latex/contrib/supported/refcheck


Author: Axel Kielhorn; CTAN location: support/references

regcount Display the allocation status of the \TeX registers. Adds a macro \texttt{rgcount} which displays the allocation status of the \TeX registers. The display is written into the .log file as it is a bit verbose. An automatic call to \texttt{rgcount} is done at \texttt{\begin{document}} and \texttt{\end{document}}.

Author: Jean-Pierre Drucbert; CTAN location: macros/latex/contrib/supported/regcount

releenc \TeX package providing a relaxed font encoding to make available to a font designer more slots for insertion of ligatures and accented characters.

Author: Lars Hellström; CTAN location: macros/latex/contrib/supported/releenc

relsize Set the font size relative to the current font size.

Author: Matt Swift; CTAN location: macros/latex/contrib/other/misc

remreset Remove counters from reset list. \texttt{\@remreset} is a companion to the standard \texttt{\@addtoreset} command which allows counters to be removed from the reset list of a controlling counter.

Author: David Carlisle; CTAN location: macros/latex/contrib/supported/remreset

repeat A really general loop macro, which can be nested to arbitrary depth without any grouping or such.

Author: Victor Eijkhout; CTAN location: macros/generic/eijkhout

revnum Provides a reverse-enumerate environment where all items are numbered in reverse order.

Author: Joern Wilms; CTAN location: macros/latex/contrib/supported/revnum

revtex Styles for various Physics Journals. Includes styles for American Physical Society, American Institute of Physics, and Optical Society of America. Only works in compatibility mode under \TeX.

Author: unknown; CTAN location: macros/latex2e/contrib/revtex

rlepsf A macro package for use with epsf.tex which allows PostScript labels in an eps file to be replaced by \TeX labels.

Author: Colin Rourke; CTAN location: macros/generic/rlepsf

rmligs Remove incorrectly used ligatures from German \TeX documents.

Author: Bjorn Jacke; CTAN location: support/rmligs

rmpage A package to help change page layout parameters in \TeX. It lets you change page layout parameters in small steps over a range of values using options. It can set \texttt{\textwidth} appropriately for the main fount, and ensure that the text fits inside the printable area of a printer. An rmpage-formatted document can be typeset identically without rmpage after a single cut and paste operation. Local configuration can set defaults: for all documents; and by class, by printer, and by paper size. The geometry package is better if you want to set page layout parameters to particular measurements.

Author: Rowland McDonnell; CTAN location: macros/latex/contrib/supported/rmpage

romaniantex \TeX support for Romanian. A \TeX package for type-setting Romanian in a multi-lingual \TeX environment.

Author: Adrian Rezus; CTAN location: language/romanian/RomanianTeX

romanneg Roman Neg.

Author: unknown; CTAN location: macros/latex/contrib/other/misc
romanum
latex3
Generate roman numerals instead of arabic digits. The romanum package changes \LaTeX generated numbers to be printed with roman numerals instead of arabic digits. It requires the stdclsdv package. Users of the bookhands fonts may find this package useful.

Author: Peter R. Wilson; CTAN location: macros/latex/contrib/supported/romanum

rotating
latex3
A package built on the standard \LaTeX graphics package to perform all the different sorts of rotation one might like, including complete figures and tables and captions.

Author: Sebastian Rahtz; CTAN location: macros/latex/contrib/supported/rotating

rotfloat
latex3
Rotate floats.


latex3
Author: unknown; CTAN location: macros/latex/contrib/supported/rotfloat

rplain
latex3
Redefines the ‘plain’ pagestyle. The page numbers are now in the lower right corner.

latex3
Author: unknown; CTAN location: macros/latex/contrib/supported/rplain

rsfs-ps
latex3
Converted (PostScript) outlines of the rsfs fonts.

latex3
Author: Taco Hoekwater; CTAN location: fonts/rsfs/ps-type1/hoekwater

rsfs
fonts2
Contains MetaFont sources for fonts of uppercase script letters for use as symbols in scientific and mathematical typesetting, in contrast to the informal script fonts such as that used for the ‘calligraphic’ symbols in the \TeX math symbol font.

Author: Ralph Smith; CTAN location: fonts/rsfs

rtf2latex2e
latex3
Convert Rich Text Format (RTF) files to \LaTeX 2ε. Converts Rich Text Format (RTF) files to \LaTeX 2ε. It has support for figures and tables. Equations are read as figures. It can handle the latest RTF versions from Microsoft Word 97/98/2000, StarOffice, and other word-processors. It has support for tables, figures, and to some extent equations. It runs on Macintosh, Linux, Unix, Windows.

Author: Ujwal Sathyam; CTAN location: support/rtf2latex2e

ruhyphen
latex3
Russian hyphenation. A collection of Russian hyphenation patterns supporting a number of Cyrillic font encodings, including T2, UCY (Omega Unicode Cyrillic), LCY, LWN (OT2), and KOI8-r.

Author: Vladimir Volovich; CTAN location: language/hyphenation/ruhyphen

sauter
latex3
Extension to the \CM fonts, providing a parameterization scheme to build fonts at true design sizes.

Author: unknown; CTAN location: fonts/cm/sauter

sauterfonts
latex3
A package providing font definition files (plus a replacement for the package exscale) to access many of the fonts in Sauter’s (Knappen’s, Holin’s) collection. These fonts are available in all point sizes and look nicer for such “intermediate” document sizes as 11pt. The package bbm is an alternative to access the bbm fonts, a nice collection of blackboard bold symbols.

Author: Klaus Georg Barthelmann; CTAN location: macros/latex/contrib/supported/sauterfonts

savefnmark
latex3
Save name of the footnote mark for reuse. Sometimes the same footnote applies to more than one location in a table. With this package the mark of a footnote can be saved into a name, and re-used subsequently without creating another footnote at the bottom.

Author: Volker Kuhlmann; CTAN location: macros/latex/contrib/supported/savefnmark

scale
latex3
Scale document by sqrt(2) or magstep(2). A package to scale a document by sqrt(2) (or by \magstep{2}). This is useful if you are preparing a document on, for example, A5 paper and want to print on A4 paper to achieve a better resolution.

Author: Soren Sandmann; CTAN location: macros/latex/contrib/supported/scale
scalefnt  Rescale fonts to arbitrary sizes. \texttt{\scalefont{2}} selects the current font in twice the current size. \texttt{\scalefont{.75}} reduces the current font size by three quarters. 

**Author:** David Carlisle; CTAN location: \texttt{macros/latex/contrib/support/supported/carlisle}

**schedule** A package intended to automatically format weekly schedules using \TeX's picture environment. It requires the packages \texttt{calc} and \texttt{color}. Its main feature is the accuracy with which appointments are represented: boxes drawn to represent a particular appointment are accurate to the minute – i.e., a 31 minute appointment will have a box 1/60th longer than a 30 minute appointment. A number of features are included to allow the user to customize the output. 

**Author:** Jason Alexander; CTAN location: \texttt{macros/latex/contrib/support/supported/schedule}

**script** Variant report / book styles. 

**Author:** unknown; CTAN location: \texttt{macros/latex/contrib/support/other/script}

**scrnger** Support for ngerman in scrlttr and scrdttr in koma-script. 

**Author:** Heiko Oberdiek; CTAN location: \texttt{macros/latex/contrib/support/supported/koma-script/contrib}

**secdot** Section numbers with trailing dots. Makes the numbers of \texttt{\section} commands come out with a trailing dot. Includes a command whereby the same can be made to happen with other sectioning commands. 

**Author:** Robin Fairbairns; CTAN location: \texttt{macros/latex/contrib/support/other/misc}

**section** Sections. 

**Author:** Oliver Pretzel; CTAN location: \texttt{macros/latex/contrib/support/other/misc}

**sectsty** Control sectional headers. A \TeX\texttt{2\epsilon} package to help change the style of any or all of \TeX's sectional headers in the article, book, or report classes. Examples include the addition of rules above or below a section title. 

**Author:** Rowland McDonnell; CTAN location: \texttt{macros/latex/contrib/support/supported/sectsty}

**selectp** 

**Author:** Donald Arseneau; CTAN location: \texttt{macros/latex/contrib/support/other/misc}

**semantic** Eases the typesetting of notation of semantics and compilers. Includes T-diagrams, various derivation symbols and inference trees. 

**Author:** Peter Møller Neergaard; CTAN location: \texttt{macros/latex/contrib/support/other/semantic}

**semaphor** Semaphore alphabet font in METAFONT. 

**Author:** Vit Zyk; CTAN location: \texttt{fonts/semaphor}

**seminar** Overhead slides. Produce overhead slides (transparencies) with bells and whistles. 

**Author:** Timothy Van Zandt; CTAN location: \texttt{macros/latex/contrib/support/other/seminar}

**serial** Generate serial letters. The serial package provides a wrapper to the KOMA Script letter class \texttt{scrlttr} for the generation of serial letters. It contains different interfaces to database generated address files. Additionally, a configuration file allows easy customization of the letterheads etc. Requires \texttt{scrlttr.cls} from KOMA-Script and the following are recommended: \texttt{inputenc}, \texttt{textcomp}, \texttt{delimtext}. 

**Author:** Bjørn Pedersen; CTAN location: \texttt{macros/latex/contrib/support/serial}

**setspace** Set space between lines: e.g., double and one and a half. Support for double, one-and-a-half, and other line spacings based on pt size. 

**Author:** Geoffrey Tobin; CTAN location: \texttt{macros/latex/contrib/support/setspace}

**sf298** Standard form 298. A \TeX\texttt{2\epsilon} package for generating a completed standard form 298 (Rev. 8-98) as prescribed by ANSI Std. Z39.18 for report documentation as part of a document delivered, for instance, on a U.S. government contract. 

**Author:** Steven Douglas Cochran; CTAN location: \texttt{macros/latex/contrib/support/sf298}

**sfheaders** Print part/chapter/section headers with the sans-serif font of the current family in the the standard book/report/article document classes. 

**Author:** Maurizio Loreti; CTAN location: \texttt{macros/latex/contrib/support/other/sfheaders}

**sgmlcmpt** Support for \TeX's \texttt{SGML} PCDATA. Replacement control sequences for the characters >, <, and &. The replacements make it possible to enter \TeX\texttt{2\epsilon} formulae as \SGML PCDATA. 

**Author:** Joerg Knappen; CTAN location: \texttt{macros/latex/contrib/support/other/jknappen}

**shadbox** A tool to shade the background of any box – text, figure, table etc. – using Plain \TeX. 

**Author:** Dmitry A. Glazkov; CTAN location: \texttt{macros/latex/contrib/support/other/shadbox}
latex3 \texttt{Packagethatallowsdeclarationsoftheform} \texttt{\newshadetheorem{thm}{Theorem} or \newshadetheorem{}} \texttt{to produce shaded boxes from the usual command \begin{theorem} ... \end{theorem}. The color package is required.}

Author: unknown; CTAN location: \texttt{macros/latex/contrib/support/shadethm}

shading A \LaTeX{} Style file for putting text on a shaded background. Requires a PostScript printer and dvi-file converter.

Author: unknown; CTAN location: \texttt{macros/latex209/contrib/shading}

shadow Shadows.

Author: Mauro Orlandini; CTAN location: \texttt{macros/latex209/contrib/misc}

shapepar A macro to typeset paragraphs in specific shapes.

Author: Donald Arseneau; CTAN location: \texttt{macros/latex/contrib/other/misc}

shhyphl Serbo-Croat hyphenation written in the latin alphabet.

Author: Dejan Muhamedagic; CTAN location: \texttt{language/hyphenation}

shortlst Provides four environments for typesetting lists of short items which may be laid out horizontally as well.

Author: Mogens Lemvig Hansen; CTAN location: \texttt{macros/latex/contrib/support/shortlst}

shorttoc Table of contents with different depths. A package to create another table of contents with a different depth, useful in large documents where a detailed table of contents should be accompanied by a shorter one, giving only a general overview of the main topics in the document.

Author: Jean-Pierre Drucbert; CTAN location: \texttt{macros/latex/contrib/support/shorttoc}

showdim A package for \LaTeX{} providing a number of commands for printing the value of a \LaTeX{} dimension. For example, \texttt{\enthtpt\baselineskip} yields the current value of \texttt{\baselineskip} rounded to the nearest tenth of a point.

Author: Michael J Downes; CTAN location: \texttt{macros/latex/contrib/support/showdim}

showkeys Show label, ref, cite and bib keys.

Author: David Carlisle; CTAN location: \texttt{macros/latex/required/tools}

showlabels Show label commands in the margin.

Author: Norman Gray; CTAN location: \texttt{macros/latex/contrib/support/showlabels}

siam Styles for SIAM publications.

Author: unknown; CTAN location: \texttt{macros/latex/contrib/other/siam}

sidecap Typeset captions sideways. Defines environments called SCfigure and SCtable (analogous to figure and table) to typeset captions sideways. Options include outercaption, innercaption, leftcaption and rightcaption.

Author: Rolf Niepraschk and Hubert Gäßlein; CTAN location: \texttt{macros/latex/contrib/support/sidecap}

siggraph Document class for formatting papers according to the specifications for submission to the annual ACM Siggraph conference.

Author: unknown; CTAN location: \texttt{macros/latex/contrib/support/siggraph}

simplified-latex \texttt{A Simplified Introduction to \LaTeX{}.}

Author: Harvey Greenberg; CTAN location: \texttt{info/simplified-latex}

simpsons MetaFont source for Simpsons characters.

Author: unknown; CTAN location: \texttt{usergrps/uktug/baskervi/4_4}

sinhala Support for the sinhala language.

Author: Vasantha Saparamadu; CTAN location: \texttt{language/sinhala}

sirlin A set of files for typing the Tibetan language in \TeX{} or \LaTeX{}.

Author: Sam Sirlin; CTAN location: \texttt{language/tibetan/sirlin}

siunits International System of Units. Typeset physical units following the rules of the International System of Units (SI).

Author: Marcel Heldoorn; CTAN location: \texttt{macros/latex/contrib/support/siunits}

skak Typeset chess games. This package can be used to typeset chess games using PGN and show diagrams of the current board in the document. The package builds on work by Piet Tutelaers - the main novelty is the use of PGN for input instead of the more cumbersome coordinate notation (g1f3 becomes the more readable NF3 in PGN).

Author: Torben Hoffmann; CTAN location: \texttt{fonts/skak}
slashed \textsl{notes} This package activates the minus sign such that it guesses whether to print as a hyphen or as minus.

slashed Put a slash through characters. Useful for the physicist’s ‘Feynman slashed character’ notation.

smallcap \textsc{\textfamily\textshape} This provides a set of classes, packages and \LaTeX\ style files for typesetting some information in two languages (altabstract, alttitle, altkeywords); if necessary, use of babel (option frenchb) and deactivation of some features of frenchb. Includes smfart.cls, smfbook.cls, smfplain.bst, smfalpha.bst, amongst others.

smartmn This package activates the minus sign such that it guesses whether to print as a hyphen or as minus sign in text mode (which is one of the most common typographical errors in \LaTeX\ texts). Author: Joerg Knappen, Mainz; CTAN location: macros/latex/contrib/supported/smartmn

smartref Extend \LaTeX\’s \texttt{\ref} capability. Extend the capability of the the \texttt{\ref} command: whenever a label is set this package records, along with the label, the values of some other counters (which, can be selected by the user). Then, the value of these counters can be recalled with a command similar to \texttt{\pageref}. Moreover, this package adds a command \texttt{\s}[name]ref for each counter added that displays something only if the value of the \texttt{[name]} counter is changed from when the label is set. Author: Giuseppe Bilotta; CTAN location: macros/latex/contrib/other/smartref

smflatex \texttt{smflatex} is a \LaTeX\ package defining ~\texttt{\itswitch}, \texttt{\textitswitch}, \texttt{\textitswitch}, and \texttt{\itswitch}, which switch between slanted or italic type and upright type. Can be used to represent emphasis with slanted type.

smflatex \texttt{smflatex} is a \LaTeX\ package defining ~\texttt{\itswitch}, \texttt{\textitswitch}, \texttt{\textitswitch}, and \texttt{\itswitch}, which switch between slanted or italic type and upright type. Can be used to represent emphasis with slanted type.

snapshot List the external dependencies of a \LaTeX\ document. The snapshot package helps the owner of a \LaTeX\ document obtain a list of the external dependencies of the document, in a form that can be embedded at the top of the document. It provides a snapshot of the current processing context of the document, insofar as it can be determined from inside \LaTeX. If a document contains such a dependency list, then it becomes possible to arrange that the document be processed always with the same versions of everything, in order to ensure the same output. This could be useful for someone wanting to keep a \LaTeX\ document on hand and consistently reproduce an identical DVI file from it, on the fly; or for someone wanting to shield a document during the final stages of its production cycle from unexpected side effects of routine upgrades to the \TeX\ system.

snapshot \texttt{snapshot} List the external dependencies of a \LaTeX\ document. The snapshot package helps the owner of a \LaTeX\ document obtain a list of the external dependencies of the document, in a form that can be embedded at the top of the document. It provides a snapshot of the current processing context of the document, insofar as it can be determined from inside \LaTeX. If a document contains such a dependency list, then it becomes possible to arrange that the document be processed always with the same versions of everything, in order to ensure the same output. This could be useful for someone wanting to keep a \LaTeX\ document on hand and consistently reproduce an identical DVI file from it, on the fly; or for someone wanting to shield a document during the final stages of its production cycle from unexpected side effects of routine upgrades to the \TeX\ system. Author: Michael J. Downes; CTAN location: macros/latex/contrib/other/snapshot

snviewer Scientific Notebook Viewer. Author: unknown; CTAN location: systems/win32/snviewer

sober \texttt{sober} reduces the amount of white space on the page. Reduces the size of various skips.

sober \texttt{sober} reduces the amount of white space on the page. Reduces the size of various skips. Author: unknown; CTAN location: macros/latex209/contrib/misc

sobolev Provides commands which are useful when dealing with Hilbert and Sobolev spaces (which occurs very often, for example, in numerical analysis). It also provides the \texttt{\Norm}, \texttt{\SemiNorm}, \texttt{\Scalar} and \texttt{\Crochet} commands which are also involved in the same context.

sobolev \texttt{sobolev} Provides commands which are useful when dealing with Hilbert and Sobolev spaces (which occurs very often, for example, in numerical analysis). It also provides the \texttt{\Norm}, \texttt{\SemiNorm}, \texttt{\Scalar} and \texttt{\Crochet} commands which are also involved in the same context. Author: Francesco Bosisio; CTAN location: macros/latex/contrib/other/sobolev
A programmer’s toolkit package for use by package writers supporting the provision of options which switch definitions contained in a package on and off through package options. It thus does not require all of the package to be loaded into memory.

Author: Alan Jeffrey; CTAN location: macros/latex/required/tools

Package for typesetting song lyrics.

Author: Christopher Rath; CTAN location: macros/latex/contrib/supported/songbook

Upper Sorbian hyphenation patterns.

Author: Eduard Werner; CTAN location: language/hyphenation

Hyphenation for letter spacing, underlining, and more. Provides hyphenatable spacing out (letter spacing), underlining, striking out, etc., using the \TeX hyphenation algorithm to find the proper hyphens automatically. The package also provides a mechanism that can be used to implement similar tasks, that have to treat text syllable by syllable. This is shown in two examples.

Author: Melchior Franz; CTAN location: macros/latex/contrib/supported/soul

Various \TeX related files for typesetting documents written in Spanish, including hyphenation and dictionaries.

Author: Julio Sanchez; CTAN location: language/spanish

Support for the Spanish language in Babel. This Spanish style for babel provides the functionality intended for the Spanish language when babel 3.7 comes to light. Very likely, its implementation will change in babel 3.7 because there are parts of code for it to work with 3.6; thus, it should be considered neither part of babel 3.7 nor babel 3.6.

Author: Javier Bezos; CTAN location: macros/latex/required/babel/contrib/spanish

Change bspack/espack so that it is invisible in vertical mode.

Author: Oliver Pretzel; CTAN location: macros/latex/contrib/other/misc

Macros to set bitmaps with \TeX.

Author: unknown; CTAN location: graphics/bit2spr

\LaTeX package and font definition file to access the ‘cmssq’ fonts, i.e. Computer Modern Sans Serif Quotation Style. The \LaTeX package also defines a chapterquotes environment as an example application.

Author: Ulrik Vieth; CTAN location: macros/latex/contrib/supported/ssqquote

A \TeX format designed to help students write short reports and essays. It provides the user with a suitable set of commands for such a task. It is also more robust than plain \TeX and \EmTeX.

Author: Dag Langmyhr; CTAN location: macros/startex

Provide sectioning information for package writers. The stdclsdv package is designed for package writers who need to know what sectioning divisions are provided by the document class. It also provides a version of \CheckCommand that sets a flag rather than printing a warning.

Author: Peter Wilson; CTAN location: macros/latex/contrib/supported/stdclsdv

St Mary Road symbols in PostScript. Converted (PostScript) outlines of the stmaryrd fonts.

Author: Taco Hoekwater; CTAN location: fonts/stmaryrd/ps-type1/hoekwater

St Mary Road symbols for functional programming.

Author: Alan Jeffrey and Jeremy Gibbons; CTAN location: fonts/stmaryrd

Package for subequation numbering.

Author: unknown; CTAN location: macros/latex/contrib/supported/subeqn

Equation array with sub numbering.

Author: unknown; CTAN location: macros/latex/contrib/supported/subeqnarray

‘sub’ figures and tables within a single figure or table environment. It is convenient to use this package when your subfigures are to be separately captioned, referenced, or whose captions are to be included in the List-of-Figures. A new \subfigure command is introduced which can be used inside a figure environment for each subfigure. An optional first argument is used as the caption for that subfigure.

Author: unknown; CTAN location: macros/latex/contrib/supported/subfigure

Sub-numbering for figures and tables. This package enables sub-numbering of different floats (figures and tables) similar to the subequations-environment of the amsmath package. It is not the same as the subfigure package which generates sub-figures within one normal figure.

Author: Harald Harders; CTAN location: macros/latex/contrib/supported/subfloat
<table>
<thead>
<tr>
<th>Package Name</th>
<th>Description</th>
<th>Author(s)</th>
<th>CTAN Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>subscript</td>
<td>Provides the text\textsubscript command. Provides a command \textsubscript</td>
<td>Author: unknown; CTAN location: macros/latex/contrib/other/fragments</td>
<td></td>
</tr>
<tr>
<td>substr</td>
<td>Deal with substrings in strings. This package provides commands to deal with</td>
<td>Author: Harald Harders; CTAN location: macros/latex/contrib/supported/substr</td>
<td></td>
</tr>
<tr>
<td>latex3</td>
<td>Determine if a string contains a substring, count appearances of a substring</td>
<td>Author: Johannes L. Braams; CTAN location: macros/latex/contrib/supported/supertabular</td>
<td></td>
</tr>
<tr>
<td>supertabular</td>
<td>A multi-page tables package. Generally longtable is a little easier to use and</td>
<td>Author: Joerg Knappen; CTAN location: macros/latex/contrib/supported/svjour</td>
<td></td>
</tr>
<tr>
<td>svjour</td>
<td>Springer-Verlag journal macros.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>swebib</td>
<td>Swedish translation of standard \BIB\TeX\ styles.</td>
<td>Author: Lars Engebretsen; CTAN location: biblio/bibtex/contrib/swebib</td>
<td></td>
</tr>
<tr>
<td>swiftex</td>
<td>Edit doc.txt and normal \LaTeX files with GNU \Emacs. \doc\TeX\ mode is for</td>
<td>Author: Matt Swift; CTAN location: support/emacs-modes/swiftex</td>
<td></td>
</tr>
<tr>
<td>syngen</td>
<td>A tool for generating syntax diagrams from \BNF. The diagrams use the \LaTeX\</td>
<td>Author: Jens Kloecker; CTAN location: support/syngen</td>
<td></td>
</tr>
<tr>
<td>syntax</td>
<td>Typeset syntax descriptions.</td>
<td>Author: Mark Wooding; CTAN location: macros/latex/contrib/supported/mdwtools</td>
<td></td>
</tr>
<tr>
<td>syntax Creation</td>
<td>Create syntax-diagrams using special environments and commands to represent</td>
<td>Author: Bernd Worsch; CTAN location: macros/latex/contrib/other/syntax</td>
<td></td>
</tr>
<tr>
<td>syntaxonly</td>
<td>Implements the \texttt{\textbackslash{syntaxonly}} declaration used for running</td>
<td>Author: I.\TeX\ Project Team; CTAN location: macros/latex/base</td>
<td></td>
</tr>
<tr>
<td>synttree</td>
<td>A package to typeset syntactic trees such as those used in Chomsky’s Generative</td>
<td>Author: Matijs van Zuijlen; CTAN location: macros/latex/contrib/supported/synttree</td>
<td></td>
</tr>
<tr>
<td>t-angles</td>
<td>Draw tangles, trees, Hopf algebra operations and other pictures. A \LaTeX\2e</td>
<td>Author: Volodymyr Lyubashenko; CTAN location: macros/latex/contrib/supported/t-angles</td>
<td></td>
</tr>
<tr>
<td>tutil</td>
<td>Simple type-1 font manipulation programs. A collection of simple type-1 font</td>
<td>Author: Eddie Kohler and Lee Hetherington; CTAN location: fonts/utilities/tutil</td>
<td></td>
</tr>
<tr>
<td>t2</td>
<td>No description available.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>lang3</td>
<td>Author: Vladimir Volovich; CTAN location: macros/latex/contrib/supported/t2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>tabbing</td>
<td>Tabbing with accented letters. A package offering a variant of the tabbing</td>
<td>Author: Jean-Pierre Drucbert; CTAN location: macros/latex/contrib/Tabbing</td>
<td></td>
</tr>
<tr>
<td>accented letters</td>
<td>environment which allows accented letters.</td>
<td>Author: David Carlisle; CTAN location: macros/latex/required/tools</td>
<td></td>
</tr>
<tr>
<td>tables</td>
<td>Better vertical spacing in tables and arrays (tabular lineskip).</td>
<td>Author: Donald Arseneau; CTAN location: macros/latex/contrib/other/misc</td>
<td></td>
</tr>
</tbody>
</table>
tap An easy \TeX macro package for typesetting complex tables. The package offers a simple notation for pretty complex tables (to Michael J. Ferguson’s credit); with PostScript allows shaded/coloured tables, diagonal rules, etc; supposed to work with both Plain and \LaTeX; moreover, an AWK converter from ASCII semigraphic tables to TAP notation is included.
Author: BOP; CTAN location: macros/generic/tables
generic2

taylor Diagram macros by Paul Taylor.
graphics3 Author: Paul Taylor; CTAN location: macros/generic/diagrams/taylor
the Examples from Arvind Borde’s \TeX by Example.
plain3 Author: Arvind Borde; CTAN location: macros/plain/contrib/tbe
tcvn A package for vietnamese TCVN encoding which is widely used in MS-Windows applications.
Author: Nguyen-Dai Quy; CTAN location: language/vietnamese/tcvn
tex No description available.
texlive1

tds The \TeX Directory Structure documentation.
doc1 Author: unknown; CTAN location: info/tds
TeEncontreX HTML-based help for \TeX and \LaTeX.
Author: Manuel Gutierrez Algaba; CTAN location: documentation/spanish/TeEncontreX
tengwar Font for typesetting Tolkien Tengwar script, by Michael Urban.
fonts3 Author: Michael Urban; CTAN location: fonts/tengwar
tensind Typeset tensors. Typesets tensors with dots filling gaps and fine tuning of index placement.
Author: Javier Bezos; CTAN location: macros/latex/contrib/support/bezos	ensor A package which allows the user to set tensor-style super and subscripts with offsets between successive indices.
Author: Mike Piff; CTAN location: macros/latex/contrib/support/piff
termcal Print a class calendar. This package is intended to print a term calendar for use in planning a class. It has a flexible mechanism for specifying which days of the week are to be included and for inserting text either regularly on the same day each week, or on selected days, or for a series of consecutive days. It also has a flexible mechanism for specifying class and nonclass days. Text may be inserted into consecutive days so that it automatically flows around nonclass days.
Author: Bill Mitchell; CTAN location: macros/latex/contrib/support/termcal
testmath Examples of the AMS-\LaTeX package.
Author: American Mathematical Society; CTAN location: macros/latex/required/amslatex/math
tetex The \TeX distribution for Unix/Linux. A comprehensive distribution of \TeX, \LaTeX and family, particularly designed to be very easy to install (20 minutes) and customise with a well organised and compliant TDS (\TeX Directory Structure) and fast file searching. Include web2c, pdf\TeX, c-\TeX, Omega, xdvi, dvips, dvilj, ps2pk, makeinfo, texinfo, and texconfig. PDF files with hyperlinks and thumbnails can be created either by using dvips and ps2pdf/distiller or more directly by using pdf\TeX. PostScript with resolution-independent fonts can be generated due to the included postscript type 1 fonts.
Author: Bill Mitchell; CTAN location: macros/latex/contrib/support/termcal
testmath Examples of the AMS-\LaTeX package.
Author: American Mathematical Society; CTAN location: macros/latex/required/amslatex/math
tex-math A summary of \TeX-commands used to create mathematical formulae (and certain other special characters). It can be viewed on any machine that runs OS2.
Author: unknown; CTAN location: systems/os2/doc/\TeX-Math
tex-ps \TeX to PostScript generic macros and add-ons. \TeX to PostScript generic macros and add-ons: transformations of EPS files, prepress preparation, color separation, mirror, etc.
Author: BOP and J. Nowacki; CTAN location: macros/generic/\TeX-PS
tex2bib Converts bibitems embedded in a document to bib format. It should be added as support/tex2bib.
Author: Michael Friendly; CTAN location: biblio/bibtex/contrib/tex2bib
tex2ltx Useful for converting plain \TeX (AMS) files into AMS-\LaTeX and convert plain AMS-\TeX bibliography references into \Bib\TeX.
Author: Pedro Fortuny; CTAN location: support/tex2ltx
tex2rtf Translates \LaTeX text into RTF (Rich Text Format used by Microsoft Word), into MS-Windows Help RTF, into HTML and into wxHelp. Implemented using the free C++ class library wxWindows.
Author: Julian Smart; CTAN location: support/tex2rtf
**tex4ht** Convert (L)\TeX{} to HTML/XML. A converter from \TeX{} and \LaTeX{} to hypertext (HTML, XML, etc.), providing a configurable (L)\TeX{}-based authoring system for hypertext.

Author: Eitan Gurari; CTAN location: support/TeX4ht

**texdepend** Find dependencies in a \LaTeX{} file. A Perl script for finding dependencies in a \LaTeX{} file. The script reads a .tex file, and (recursively) all \texttt{\input} and \texttt{\include} files referenced therein to build dependencies from includes (both \texttt{\input} and \texttt{\include}), packages (as in \texttt{\usepackage}), and figures (using \texttt{\includegraphics}).

Author: Michael Friendly; CTAN location: support/texdepend

**texdoc** Documentation files for \TeX{}-\texttt{texmf}. \TeX{}doc is a Perl/Tk-based frontend for easy access of package documentation for the \TeX{} typesetting system on Unix platforms; its database files \texttt{texdoc-100.dat} and \texttt{texdoc-102.dat} are based on \TeX{} v.1.0.0-2. Its purpose is to provide the users with a graphical interface that makes it easier to find package documentation about a certain topic. - Main requirements are some kind of Unix, Perl 5 and Perl/Tk 8.0.x.

Author: Thomas Ruedas; CTAN location: systems/unix/teTeX/contrib

**texdraw** Graphical macros, using embedded PostScript.

**graphics3** Author: unknown; CTAN location: graphics/texdraw

**teded** A \TeX{} shell for OS2, FSS-\TeX{}Edit provides an easy interface for \LaTeX{}2\epsilon, dvips, GhostScript and ispell.

Author: Frank Stippich; CTAN location: systems/os2/texed

**texemplar** A class for the journal of Cervan\TeX{}. Cervan\TeX{} is the Spanish \TeX{} User’s Group.

Author: Javier Bezos; CTAN location: macros/latex/contrib/other/TExemplar

**textinfo** Texinfo documentation system. Produces online or printed output from a single source.

**plain2** Author: Free Software Foundation; CTAN location: macros/texinfo

**texip** Macros from \TeX{} in Practice.

**formats3** Author: Stephan von Bechtolsheim; CTAN location: macros/tip

**texlist** Typeset program (or ASCII text file) listings. Typeset program (or ASCII text file) listings. This is a C program that generates \LaTeX{}2\epsilon.

Author: John Forkosh; CTAN location: support/texlist

**texlive** A CD-ROM distribution of \TeX{} and friends. A CD-ROM distribution of \TeX{}2\epsilon, \LaTeX{}2\epsilon, etc., with precompiled binaries for many systems, based on \TeX{} and Mik\TeX{}. The CD-ROM image is available (bzipped .iso file) for those who wish to burn their own CD.

Author: Sebastian Rahtz; CTAN location: systems/texlive

**TeXmacs** Structured text editor for \TeX{}. \TeX{}macs is a “structured text editor” with special support for mathematical expressions. The typesetting quality of the produced documents is intended to be as high as possible, i.e. comparable to the quality of documents produced with \TeX{}2\epsilon. The user interface aims to be as natural and powerful as possible. In particular, the text you see on the screen corresponds exactly to what you get after printing. \TeX{}macs comes with a typed \texttt{lisp} extension language. Like emacs, this allows you for instance to redefine keyboard and menu actions. \TeX{}macs can also be used as an interface for computer algebra systems. In particular, automatically generated mathematical formulas are typeset in a satisfactory way. It is possible to generate \LaTeX{}2\epsilon and PostScript output from \TeX{}macs. After compilation, the \LaTeX{}2\epsilon output will resemble the PostScript output, although we guarantee no complete compatibility between \TeX{}macs and \TeX{}2\epsilon. It is also possible to import “well written \LaTeX{}2\epsilon documents.” The present release includes an interface with ghostscript, which enables you to include PostScript (and some other formats) of images.

Author: Joris vander Hoeven; CTAN location: systems/unix/TExmacs

**texmalli** A quick Finnish introduction to using \LaTeX{}.

Author: Antti-Juhani Kajjanaho; CTAN location: info/finnish/texmalli
TeXnicCenter

Integrated development environment for \LaTeX\ on MS-Windows. \TeXnicCenter\ is an integrated development environment (IDE) for developing \LaTeX\ documents on windows (Windows 95, 98, 2000, NT 4.0). Features include: Project orientated integrated development environment for \LaTeX\ documents; Definition of unlimited “output types” (i.e. DVIL, PostScript, PDF); Fully customizable editor; Structure View that shows the structure of the whole \LaTeX\ document, even if it is split into several files using \input\ or \include; Simple insertion of \LaTeX\ constructs by menu or toolbar; Compilation of the project in the IDE: simple jumping to errors, warnings and bad boxes; Support for document templates; Fully customizable menu and toolbars in modern look and feel; Support for english and german language.

Author: Sven Wiegand; CTAN location: \texttt{systems/win32/\TeXnicCenter}

texperf

A WordPerfect to \LaTeX\ translator.

Author: John Forkosh; CTAN location: \texttt{support/texperf}
texpict

Create drawings for \LaTeX. A graphical program developed with Tcl-Tk (it must be installed on the system) for the creation of drawings for inclusion in \LaTeX\ file as picture environments.

Author: Ramon Ribo; CTAN location: \texttt{graphics/texpict}
texshade

Package for setting nucleotide and peptide alignments. \TeXshade\ is an alignment shading software completely written in \TeX/\LaTeX\ which can process multiple sequence alignments in the .ALN file format. It provides in addition to common shading algorithms special shading modes featuring functional aspects, e.g. charge or hydropathy, and a plenitude of commands for handling shading colors, text styles, labels, legends and even allows the user to define completely new shading modes. \TeXshade\ combines highest flexibility and the habitual \TeX\ output quality—with reasonable time expenditure.

Author: Eric Beitz; CTAN location: \texttt{macros/latex/contrib/supported/texshade}
texshell32

A free \TeX\Shell for MS-Windows 95 and NT. Features include: All files kept in own directory (no extra DLLs that mess up your system directory); Syntax highlighting for \TeX\ commands; External programs freely definable; Support for dviwins line specials; Predefined templates and dialogs that assist you in editing text or create new documents; User defined templates that can even embrace an existing text; Dialog for inserting images (works with dvi only); Images can be opened directly from the texshell; It is small.

Author: Dirk Struve; CTAN location: \texttt{systems/win32/texshell32}
texsis

A Plain \TeX\ macro package along the lines of \LaTeX. \TeXsis\ is a Plain \TeX\ macro package which provides useful features for typesetting research papers and related documents. For example, it includes support specifically for: Automatic numbering of equations, figures, tables and references; Simplified control of type sizes, line spacing, footnotes, running headlines and footlines, and tables of contents, figures and tables; Specialized document formats for research papers, preprints and “e-prints,” conference proceedings, theses, books, referee reports, letters, and memoranda; Simplified means of constructing an index for a book or thesis; Easy to use double column formatting; Specialized environments for lists, theorems and proofs, centered or non-justified text, and listing computer code; Specialized macros for easily constructing ruled tables. \TeXsis\ was originally developed for physicists, but others may also find it useful. It is completely compatible with Plain \TeX.

Author: Eric Myers; CTAN location: \texttt{macros/texsis}
texsk

Simple \LaTeX\ drawing program for OS2 PM. Uses the picture environment.

Author: Tim Bahnes; CTAN location: \texttt{graphics/texsketch}
textforms3

\LaTeX\ format from the University of Washington.

Author: unknown; CTAN location: \texttt{macros/textforms3}
textcase

Case conversion ignoring mathematics. \MakeTextUppercase\ and \MakeTextLowercase\ are similar to the standard \MakeUppercase\ and \MakeLowercase, but they do not change the case of any sections of mathematics within the argument.

Author: David Carlisle; CTAN location: \texttt{macros/latex/contrib/supported/carlisle}
textcomp

Text Companion fonts. Supports the Text Companion fonts which provide many text symbols (such as balt, bullet, copyright, musicalnote, onequarter, section, and yen) in the TS1 encoding.

Author: unknown; CTAN location: \texttt{fonts/pfonts/ts1}
textfit

Package to support fitting of text to a given width or height by scaling the font.

Author: unknown; CTAN location: \texttt{macros/latex/contrib/supported/textfit}
textmerg

Merge text in \TeX\ and \LaTeX. Useful, for example, in mail merge.

Author: Mike Piff; CTAN location: \texttt{macros/latex/contrib/supported/textmerg}
textoolspro  A small set of utilities for doing documentation in \LaTeX\ intended mainly for programmers. Includes: boxerer.py for creating structured boxes, one inside another so the structure of data and functions can be easily shown; sectioner.py, a front-end filter of \LaTeX\-modified code, so you can write sections in a relative way; and iarticle.cls, a \LaTeX\ class that allows up to 14 levels of nesting, needed for doing documentation.

Author: Manuel Gutierrez Algaba; CTAN location: support/textoolspro

textopo  Annotated membrane protein topology plots. \LaTeX\ package for setting shaded and annotated membrane protein topology plots and helical wheels.

Author: Eric Beitz; CTAN location: macros/latex/contrib/support/textopo

textpos  Place boxes absolutely. A package to facilitate placement of boxes at absolute positions on the \LaTeX\ page, and useful for large-format conference posters, for example.

Author: Norman Gray; CTAN location: macros/latex/contrib/support/textpos

theorem  Enhancements to the theorem environments, giving more choice in theorem layout.

Author: Frank Mittelbach; CTAN location: macros/latex/required/tools

thesis  Typeset thesis. A class for producing a thesis based on the report class for a more European and more flexible look. Supports options like noindent, noitemization, headline, nocenter, crosshair, and chapterbib.

Author: Wenzel Matiaske; CTAN location: macros/latex/contrib/support/thesis

threeparttable  Tables with captions and notes all the same width.

Author: Donald Arseneau; CTAN location: macros/latex/contrib/other/misc

thumb  Thumb marks in documents. Can be used to place thumb marks in books, manuals, and reference manuals.

Author: Christian Holm; CTAN location: macros/latex/contrib/other/thumb

thumbpdf  Thumbnails for pdf\LaTeX\ and dvips/ps2pdf. Provides support, using Perl5, for thumbnails in pdf\LaTeX\ and dvips/ps2pdf, using ghostscript to generate the thumbnails which get represented in a \LaTeX\ readable file that is read by the package thumbpdf.sty to automatically include the thumbnails. Works with both plain \LaTeX\ and \LaTeXX.

Author: Heiko Oberdiek; CTAN location: support/thumbpdf

ticket  Make labels, visiting-cards, pins with \LaTeX\. Provides an easy to handle interface to produce visiting cards, labels for your files, stickers, pins and other stuff for your office, conferences, etc. All you need is a definition of your “ticket” included in a ticket definition file and the two commands \texttt{\textbackslash ticketdefault} and \texttt{\textbackslash ticket}.

Author: Thomas Emmel; CTAN location: macros/latex/contrib/support/ticket

tiff  The tiff graphics package.

Author: unknown; CTAN location: graphics/tiff

tiff2ps  A PostScript program for converting TIF\TeX\ files to EPS. Supports compression (LZW, RLE, Flat) and ASCII85 encoding, and possibly used for generating colour-separated EPS, EPS thumbnails, header EPS containing only a pointer to a source TIFF file.

Author: BOP; CTAN location: support/pstools/tiff2ps

time  Defines a macro \texttt{\textbackslash now} to print the current time.

Author: Mike Piff; CTAN location: macros/latex/contrib/support/piff

timesht  Package for typesetting time sheets.

Author: unknown; CTAN location: macros/latex/contrib/other/timesht

timing  Fonts and macro package for drawing timing diagrams.

Author: unknown
tinyc2l Pretty print C/C++/Java source code using \LaTeX. A small converter for pretty printing C/C++/Java source code using \LaTeX. Features include: ease of use; use roman font for standard output for better legibility of the generated text; use direct positioning of \LaTeX boxes to preserve vertical structures in the source text; context-sensitive linebreaking—linebreaking is not done by \LaTeX, only by the supported macros, so the language structure is considered when breaking a line. For example, if a C++ comment is broken, the continuation line starts also with //. If a string or preprocessor line is broken, it gets an \ at the end of the line. If you would convert the generated dvi file back to ASCII, you get a valid source text again; some special comment styles (fill comments, block comments, embedded \LaTeX comments); insert \LaTeX text into comments; special support for multiple file projects: The generated files can be used as standalone files or as include file in a larger project without modification (if they are used as include file, the wrapper file must only include the position package in the package list; everything else is done automatically); lines may be omitted from output.

Author: Michael Plagge; CTAN location: support/tiny_c2l

tipa Fonts and macros for IPA phonetics characters.

tipos Description of fonts for \TeX in Spanish. The document tipos.pdf describes (in Spanish) the large amount of types of files for fonts (‘tipo’ means ‘font’ in Spanish). The document fonteinf.pdf is a translation to German of tipos.pdf kindly made by Thomas Ruedas.

Author: Javier Bezos; CTAN location: info/spanish
	latex3 \Keywords command), a running title \RunningTitle, AMS subject classifications \Amssubj, and an “authors footnote” as footnotes to the title or first page of a document. Works with any class for which the \Thanks macro works (e.g., article).

Author: Brett Presnell; CTAN location: macros/latex/contrib/supported/titlefoot

titleref Cross-reference titles of sections and floats with caprions just like \ref and \pageref.

Author: Donald Arseneau; CTAN location: macros/latex/contrib/other/misc
	latex3 Titles of books, articles, etc., in \TeX. A \TeX package defining macros that typeset the titles of books, journals, etc. and handle following spacing and punctuation intelligently, based on context. Useful for bibliographic databases and any document. Also includes other markup like \word, \defn, \phrase, etc.

Author: Matt Swift; CTAN location: macros/latex/contrib/supported/frankenstein
	latex3 Select alternative section titles. A package providing an interface to sectioning commands for selection from various title styles. E.g., marginal titles and to change the font of all headings with a single command, also providing simple one-step page styles. Also includes a package to change the page styles when there are floats in a page. You may assign headers/footers to individual floats, too.

Author: Javier Bezos; CTAN location: macros/latex/contrib/supported/titlesec
	latex3 Alternative headings for toc/tof/tol. A companion for titlesec handling toc/lof/lot entries.

Author: Javier Bezos; CTAN location: macros/latex/contrib/supported/titlesec
	latex3 Control over the typesetting of the \maketitle command. The titling package gives you control over the typesetting of the \maketitle command, and makes the \title, \author and \date information permanently available.

Author: Peter R. Wilson; CTAN location: macros/latex/contrib/supported/titling

tkbibtex A portable editor and browser for \BibTeX files. It supports browsing, editing, searching, and annotations.

Author: Peter Corke; CTAN location: biblio/bibtex/utils/tkbibtex
	latex3 Support for using the Micropress TM-Math fonts. Support for typesetting math in a style that suits the Adobe Times text fonts. Relies on non-free fonts from Micropress Inc.

Author: Walter Schmid; CTAN location: macros/latex/contrib/supported/tmmath

tmview A DVI previewer for SVGAlinux devices. An SVGAlinux based DVI-previewer offering xdvi-like anti-aliasing, text-string searching, arbitrary-zooming, bookmarks, some hypertex features, and rendering of eps-graphics by invoking ghostscript. It supports The GNU/Linux framebuffer device and double-page viewing.

Author: Thomas Moor; CTAN location: dviware/tmview

tocbibind Add bibliography/index/contents to Table of Contents. Automatically adds the bibliography and/or the index and/or the contents, etc., to the Table of Contents listing.

Author: Peter Wilson; CTAN location: macros/latex/contrib/supported/tocbibind
tocloft  Control table of contents, figures, etc. Provides control over the typography of the Table of Contents, List of Figures and List of Tables. The package requires the stdcsvd package.
   Author: Peter Wilson; CTAN location: macros/latex/contrib/supported/tocloft

tocvsec2  Section numbering and table of contents control. Provides control over sectional numbering (without recourse to starred sectional commands) and/or the entries in the Table of Contents on a section by section basis.
   Author: Peter Wilson; CTAN location: macros/latex/contrib/supported/tocvsec2

tool  An installer of PostScript fonts for \TeX. A flexible, AWK+MetaFont-based Type One Install utility which facilitates installation of Adobe Type 1 fonts for (plain) \TeX; an alternative for afm2tfm; starting from version 1.04, includes an option that enables neutralizing sidebars (via implicit kerning mechanism); currently, available for DOS.
   Author: BOP; CTAN location: fonts/utilities/t1install/tool

topcapt  Place captions above figures and tables. Defines a command \texttt{\textbackslash topcapt} which does the same as caption, except that it places itself correctly when put above the figure/table that it’s a caption of.
   Author: Robin Fairbairns; CTAN location: macros/latex/contrib/other/misc

topfloat  Move floats to the top of the page.
   Author: Angelo Macchia; CTAN location: latex/support/contrib/supported/topfloat

totpages  Access last page number and page mark of last page.
   Author: Wilhelm Mueller; CTAN location: macros/latex/contrib/supported/totpages

tracking  Automatically adjust spaces between symbols in words or phrases to fit them into a specified length.
   Author: Dmitry A. Glazkov; CTAN location: macros/latex/contrib/other/tracking

trajian  Fonts from the Trajan column in Rome in 114 AD. Provides fonts based on the capitals carved on the Trajan column in Rome in 114 AD. Many typographers think these rank first among the Romans’ artistic legacy. The font is uppercase letters together with some punctuation and alphabets; no lowercase or digits.
   Author: Peter Wilson; CTAN location: fonts/trajan

transt  A simple \TeX macro package for PostScript transformations. Macros for easy transformations of PostScript objects, scaling, rotation, etc.
   Author: BOP; CTAN location: macros/generic/TeX-PS

transfig  Transform xfig pictures into many other formats. Translates figures generated by xfig to a large variety of formats.
   Author: Brian Smith; CTAN location: graphics/transfig

treesvr  Tree macros.
   Author: Peter van Roose; CTAN location: macros/latex/contrib/supported/treesvr

treetex  Allows the automatic layout of n-ary trees with arbitrary node sizes in \LaTeX, using an external C program to do much of the hard work.
   Author: unknown; CTAN location: macros/latex209/contrib/trees/tree_tex

trfsigns  Typeset transform signs. A package for typesetting various transformation signs for Laplace transforms, Fourier transforms and others.
   Author: Kai Rascher; CTAN location: macros/latex/contrib/supported/trfsigns

True Type  How to use TrueType fonts with \TeX.
   Author: Harald Harders; CTAN location: info/TrueType

truncate  Truncate text to a specified width.
   Author: Donald Arseneau; CTAN location: macros/latex/contrib/other/misc

tsconfig  The tsconfig program tries to make the configuration of the \TeXShell by J. Schlegelmilch easier, especially if you have a lot of computers with different processors.
   Author: Dirk Nitschke; CTAN location: support/TeXshell/tsconfig

ttf-tex  Using TrueType fonts with \TeX. This document describes how to use TrueType fonts with \TeX. It also describes how to use the automatically generated slanted and small capitals versions of the font.
   Author: Harald Harders; CTAN location: info/TrueType

ttf2mf  An MS-Windows program which is intended to convert MS-Windows True Type fonts to MetaFont format.
   Author: Oleg V. Motygin; CTAN location: support/ttf2mf
ttf2pk  This tool rasterizes the glyph outlines of a TrueType font into a bitmap font in PK format. It is part of the FreeType package.
Author: Werner Lemberg; CTAN location: fonts/utilities/ttf2pk

ttf2pt1  Converts True Type fonts into PS Type 1 fonts. Converts True Type fonts into PS Type 1 fonts:
creates hinting information; creates AFM files (preserving kerning information); supports all font encodings; supports Asian fonts.
Author: Thomas Henlich; CTAN location: fonts/utilities/ttf2pt1

tftogf  Convert MS-Windows True Type fonts to GF format.
Author: unknown; CTAN location: support/tftogf

thh  A \TeX{} to HTML translator.
Author: Ian Hutchinson; CTAN location: support/thh/dist

ttt  A Tibetan Transcript Transliterator for \TeX{}.
Author: Beat Steiner; CTAN location: language/tibetan/steiner

tugboat-toc  The complete accumulation of \textit{TUGboat} tables of contents.
Author: Barbara Beeton; CTAN location: digests/tugboat/t-of-c

tugboat  \LaTeX{} macros for \textit{TUGboat} articles.

generic2  Author: unknown; CTAN location: macros/latex/contrib/support/tugboat

TVS  \TeX{} Versioning System. A Perl script to collect all files which are needed to re-typeset \TeX{} documents. It does it by parsing \TeX{} logs. TVS is able to handle filenames intelligently.
Author: David Antos; CTAN location: support/TVS

twg-list  Members of the TUG Technical Working Groups. A list of the currently active Technical Working Groups of the \TeX{} Users Group.
Author: unknown; CTAN location: usergrps/tug

twoopt  Definitions with two optional arguments.
Author: Heiko Oberdiek; CTAN location: macros/latex/contrib/support/oberdiek

twoup  Print two virtual pages on each physical page. The package offers considerable flexibility as to paper size and layout, producing a standard dvi file not involving additional dvi or PostScript filters.
Author: unknown; CTAN location: macros/generic/2up

twoup  Print two virtual pages on each physical page. MiKTeX and many other \TeX{} implementations include tools for massaging PostScript into booklet and two-up printing - that is, printing two logical pages side by side on one side of one sheet of paper. However, some \LaTeX{} preliminaries are necessary to use those tools. The twoup package provides such preliminaries and gives advise on how to use the PostScript tools.
Author: Mogens Lennvig Hansen; CTAN location: macros/latex/contrib/support/twoup

txt2tex  Add \LaTeX{} markup to a text document. Converts plain text into something with a little \LaTeX{} formatting.
Author: Kalvis M. Jansons; CTAN location: support/txt2tex

type1  Public domain PostScript fonts, including the UR W fonts distributed with Ghostscript.

fonts2  A package that removes the restriction when using scalable versions of the cm fonts (Bakoma, or versions from BSR/Y&Y, or True Type versions from Kinch, PCTeX, etc.) where \LaTeX{} restricts the cm fonts to discrete sizes.
Author: David Carlisle; CTAN location: macros/latex/contrib/support/type1cm

typearea  Set page margins.
Author: unknown; CTAN location: macros/latex209/contrib/script

typhaltl  Typeset HTML directly from \LaTeX{}. Can handle almost all of HTML2, and most of the math fragment of the draft HTML3.
Author: David Carlisle; CTAN location: macros/latex/contrib/support/carlisle
typespec  Creates a type specimen page with useful information about the typeface.

plain3  Author: Stephen Moye; CTAN location: macros/plain/contrib/TypeSpec

uaclasses  This package provides a \LaTeX\ document class named ‘ua-thesis’ for typesetting theses and dissertations in the official format required by the University of Arizona. Moreover, there is a fully compatible alternative document class ‘my-thesis’ for private “nice” copies of the dissertation, and the respective title pages are available as separate packages to work with “any” document class.

Author: Marcel Oliver; CTAN location: macros/latex/contrib/supported/uaclasses

uclasses  A modified version of the standard \LaTeX\ report style that is accepted for use with University of California PhD dissertations and Masters theses.

Author: unknown; CTAN location: macros/latex/contrib/supported/uclasses

uhc-gothic  Fonts for the Korean language. Support for Korean documents written in Korean standard KSC codes for \LaTeX\ 2e.

Author: Koaunghi Un; CTAN location: fonts/korean/HLaTeX

ukhyph  Hyphenation patterns for British English. This replaces the earlier version of 1992, by adding a short list of hyphenation exceptions. The actual patterns themselves are unchanged.

Author: Dominik Wujastyk; CTAN location: language/hyphenation

ukhrhyph  Ukrainian hyphenation. This package allows the use of different hyphenation patterns for the

lang3  Ukrainian language for various Cyrillic font encodings. Contains packages implementing traditional rules, modern rules, and combined English-Ukrainian hyphenation.

Author: Maksym Polyakov and Andrij Shvaika; CTAN location: language/hyphenation/ukhrhyph

ulem  Package for underlining. Be advised that underlining is considered bad style in typesetting.

Author: Donald Arseneau; CTAN location: macros/latex/contrib/other/misc

ulsy  Extra mathematical characters.

latex3  Author: unknown; CTAN location: macros/latex/contrib/supported/ulsy

umlaute  An interface to inputenc for using alternate input encodings.

latex3  Author: unknown; CTAN location: macros/latex/contrib/supported/umlaute

umoline  Underlines text allowing line breaking.

Author: Hiroshi Nakashima; CTAN location: macros/latex/contrib/supported/umoline

unrand  Package for page frames.

fonts3  Author: unknown; CTAN location: macros/latex/contrib/supported/niceframe

uncial  Manuscript book-hand fonts. The uncial and alluncel packages provide Metafont fonts based on the Uncial manuscript book-hand used between the 3rd and 6th century AD. The font consists of minuscules and digits, with some appropriate period punctuation marks. Both normal and bold versions are provided. This is one in a series of manuscript fonts.

Author: Peter Wilson; CTAN location: fonts/bookhands/uncial

underlin  Package for underlining. Be advised that underlining is considered bad style in typesetting. See also

latex3  ulem which is a specific package for \LaTeX\.

Author: unknown; CTAN location: macros/generic

underscore  Make “_” print as \textunderscore in text. Make “\textunderscore” print as \textunderscore in text.

Author: Donald Arseneau; CTAN location: macros/latex/contrib/other/misc

uni  The Universal font. An implementation of the universal font by Herbert Bayer of the Bauhaus school for MetaFont. It is supported in \LaTeX\ with a package and font definition file.

Author: Christian Holm; CTAN location: fonts/uni

unileaf  Check filesystem tree (or union of several trees) for unique leaf names; useful for spotting ambiguities that path-searching programs could trip over. For each non-unique leaf name found, it prints out “ls” and “md5” information for each candidate file.

Author: Martyn Johnson; CTAN location: support/unileaf

uniseqs  Includes two packages for typesetting fractions and physical units.

latex3  Author: Axel Reichert; CTAN location: macros/latex/contrib/supported/unis

universa  An implementation of Herbert Bayer’s ‘universal’ font, with \LaTeX\ support.

fonts3  Author: Christian Holm; CTAN location: fonts/universa

unsupported  MetaFont sources from Knuth, unsupported.

fonts3  Author: unknown
url Verbatim with URL-sensitive line breaks. A form of \verb that allows linebreaks at certain characters or combinations of characters, accepts reconfiguration, and can usually be used in the argument to another command. It is intended for email addresses, hypertext links, directories/paths, etc., which normally have no spaces.
Author: Donald Arseneau; CTAN location: macros/latex/contrib/other/misc

urw Font metrics, and macro support in $\LaTeXe$, for free URW fonts.
Author: unknown; CTAN location: fonts/psfonts/urw

urwstd No description available.

fonts2 Author: unknown

urwvf A collection of virtual fonts generated with fontinst 1.6, that provide the fonts which URW has made available under the GNU License: Antiqua, Grotesk, Nimbus and Nimbus Sans, (and which are available as raw fonts urw) in OT1, T1, 8r and OT4 encodings, to be used with $\LaTeXe$.
Author: unknown; CTAN location: fonts/urwvf

ut-backref A version of backref which adds to bibliography entries an entry saying where this particular reference was cited.
Author: Sven Utcke; CTAN location: macros/latex/contrib/other/fragments

ut-thesis University of Toronto thesis style.
Author: Francois Pitt; CTAN location: macros/latex/contrib/supported/ut-thesis

utf2any Converting UTF-7 and UTF-8 to $\LaTeX$, HTML, and other text formats. utf2any translates a file encoded in UTF-7 or UTF-8 (Unicode) into any 7- or 8-bit text format. Currently, mapping tables are supplied for $\LaTeX$, HTML, ISO-8859-1, ISO-8859-15 and RFC-1345. These tables don’t provide a complete mapping, but they can be easily extended to personal needs.
Author: Peter Kleiweg; CTAN location: support/utf2any

utorontothesis A $\LaTeXe$ thesis class definition for University of Toronto.
Author: Robert Bernecky; CTAN location: macros/latex/contrib/supported/utorontothesis

utthesis $\LaTeX$ package for preparation of a thesis that meets the requirements of the Graduate School of the University of $\TeX$as at Austin.
Author: Dinesh Das; CTAN location: macros/latex/contrib/uthesis

uwthesis University of Washington thesis style.
Author: unknown; CTAN location: macros/latex/contrib/supported/uwthesis

varindex Luxury frontend to the index command. Provides a convenient front-end for the \index command. For example, with it you can generate multiple index entries in almost any form by a single command. Extremely customizable. Works with all versions of $\LaTeX$ and probably most other \TeX formats.
Author: Martin Vaath; CTAN location: macros/latex/contrib/supported/misc

varioref Intelligent page references.
Author: Frank Mittelbach; CTAN location: macros/latex/recommended/tools

vdm Typesetting VDM schemas.

latex3 University of $\TeX$as at Austin.
Author: Dinesh Das; CTAN location: macros/latex/contrib/latex3/utthesis

vfcomb A system to support the writers of virtual fonts; this is written in Turbo Pascal, and sources are included.
Author: Sasha Berdnikov; CTAN location: systems/msdos/utilities/vfcomb

vfinst A set of scripts and Perl files which aim to make the installation of families of PostScript fonts and creation of necessary virtual fonts and outline fonts ‘virtually’ automatic. Uses fontinst.
Author: Alan Hoenig; CTAN location: fonts/utilities/vfinst

vicentino Vicentino fonts.
Author: Willibald Kraml; CTAN location: fonts/vicentino
viiptart An article-like document class which is 7pt rather than 10pt.
Author: Moshe Zadka; CTAN location: macros/latex/contrib/supported/viiptart

vita This class provides necessary macros to prepare your Curriculum Vitae or Resume.
latex3 Author: unknown; CTAN location: macros/latex/contrib/other/vita

vmargin Set various dimensions. Provides a macro to set various margins as well as dimensions for header/
latex2 footer and page dimensions. Most common paper sizes, paper orientation, disabling of headers and
footer, and two sided printing are supported. The vmargin package does not rely on other packages
and was designed with speed and size in mind. Its user interface might not be very fancy, but it’s
fast, small, and gets the job done. If you are looking for something more elaborate try the geometry
package.
Author: Volker Kuhlmann; CTAN location: macros/latex/contrib/supported/vmargin

vncmr A Vietnamese extension of the cmr fonts. Contains MetaFont source files, tfm files, and various
\LaTeX2e and plain \TeX files for VISSCII encoding.
Author: Werner Lemberg; CTAN location: fonts/vietnamese/vncmr

vpage Set page sizes. Set page sizes for many different pages. This is now superseded by vmargin.
Author: Volker Kuhlmann; CTAN location: obsolete/macros/latex/contrib/other/misc

vrb Verbatim macros via plain \TeX.
latex3 Author: unknown; CTAN location: macros/generic/vrb

dversion Add version number to DVI file. Defines a command which produces a version number in the dvi-file
latex3 when \LaTeX is run.
Author: Mats Dahlgren; CTAN location: macros/latex/contrib/supported/vversion

vruler A package for adding a vertical numbering to the general text so that the text can be properly referenced.
The vertical ruler can be scaled and moved freely. Supports \LaTeX and plain \TeX.
Author: Zhiuan Jiang; CTAN location: macros/latex/contrib/other/misc

VTeX/Free \TeX system and PDF support for Linux and OS2. VTeX/Free is a \TeX program that generates
latex3 PDF or PostScript output immediately from the \TeX source file. The distribution includes a complete
working \TeX system. VTeX/Free is available for Linux and OS2.
Author: MicroPress; CTAN location: systems/vtex

warpcol Defines a tabular column type for formatting numerical columns in \LaTeX. The column type enables
latex3 numerical items to be right justified relative to each other, while centred beneath the column label.
In addition, macros are provided to enable variations on this column type to be defined. Usage of the
package is superficially similar to that of dcolumn; however, the alignment scheme is different, and the
packages have different, though overlapping, applications.
Author: Wayne A. Rochester; CTAN location: macros/latex/contrib/other/warpcol

wasy-ps Converted (PostScript) outlines of the wasy fonts.
wasy The wasy fonts (Waldis symbol fonts).
fonts2 Author: unknown; CTAN location: fonts/wasy

wasy2-ps Converted (PostScript) outlines of the wasy fonts.
wasy2 The wasy fonts (Waldis symbol fonts).
fonts2 Author: unknown; CTAN location: fonts/wasy2

wasysym Extra characters from the Waldis symbol fonts. Makes some additional characters available that
latex2 come from the wasy fonts (Waldis symbol fonts). These fonts are not automatically included in NFSS2/
\LaTeX2e since they take up important space and often aren’t necessary if one makes use of the packages
amsfonts or amssymb. Symbols include: join box, diamond, leadsto, squsubseteq, lhd, rhd, apple, ocircle
invneg, logof, varint, male, female, phone, clock lightning, pointer, sun, bell, permil, smiley, various
electrical symbols, shapes, music notes, circles, signs, astronomy, etc.
Author: Axel Kielhorn; CTAN location: macros/latex/contrib/supported/wasysym

wbarcode Typeset common (and less common) barcodes with \TeX.
Author: Peter Willadt; CTAN location: fonts/barcodes/willadt
web Establishes a page layout for an on-screen (PDF) document. The web package (for \LaTeX) is a set of macros that establishes a page layout for a (PDF) document that is meant to be read on-screen and not meant to be printed. The package also redefines the table of contents to a web style and defines optional navigational aids. The package has options for use with dvipsone, dvips, and pdftex.

web2c-win32 Web2c for MS-Windows32, including a complete collection of \TeX{} related executables.

web2c The “standard” source C version of the \TeX{} system. Uses the GNU autconfig package to compile and install effortlessly. Simply ./configure; make; make install.

webfiles Include several CWEB and/or Spidery WEB documents in a single \LaTeX{}.

webguide Brief Guide to \LaTeX{} Tools for Web publishing.

doc2 Author: Peter R. Wilson; CTAN location: info/webguide

williams Miscellaneous macros by Peter Williams.

latex3 Author: Peter Williams; CTAN location: macros/latex/contrib/other/williams

win95-guide An installation-guide for a complete \TeX{}-System consisting of MiKTeX, WinEdt and GhostView.

windvi MS-Windows DVI driver. There are many previewers for dvi files under MS-Windows. The most popular is probably Dviwin. However it lacks some important features such as the ability to recursively search directories for font files, the ability to use .vf files or display PostScript fonts, and the ability to display PostScript images. Unfortunately, the Dviwin sources were never put into the public domain; on the other side of the fence, Xdvi under Unix has these features, is widely used and its sources are available. Xdvi(\k) uses the kpathsea library to search directories, already used in the Web2c-win32 port of \TeX{}, so there was some interest in porting Xdvi(\k) to Win32. As it turned out, this turned into far more than just a port, as X Windows is far from Win32. All the user interface and the graphical part has been rewritten.

winedt MS-Windows shell and editor for \TeX{}. A full-featured text editor and Shell for MS-Windows (and MS-Windows NT or MS-Windows 3.x), allowing the editing of large, multiple, text files in the usual MS-Windows way, using a Multiple Documents Interface (MDI) and following or extending the MS-Windows Standards in every respect, and supporting (\LaTeX{}) Syntax Highlighting and Input/Output ASCII Code Translation Tables with a comprehensive context-sensitive Help.

winlatex FrontEnd for \TeX{}, Win98/NT, needs Microsoft VisualBasic-DLLs.

winshell A MS-Windows32 user interface for \TeX{}. It is not a \TeX{}-system—\textit{you need an additional \TeX{} package for DOS/MS-Windows (e.g., miktex and web2c-win32)}. For previewing documents you will need something like GhostScript or dviiwin.

wmf2eps Windows meta file conversion. A program to simplify MS-Windows Metafile Graphics (WMF) containing either vector-images or bitmaps into Encapsulated PostScript format having tight bounding-boxes (WinNT and Win95) at exactly the same size as the WMF-originales.

wnri MetaFont fonts for Old English, Indic languages in transcription, and American Indian languages.

fonts3 Author: unknown; CTAN location: fonts/wnri

wntamil Tamil to \TeX{} converter. Fonts (MetaFont) and support for Tamil, created at the University of Washington.

lang3 Author: unknown; CTAN location: language/tamil/wntamil

word2x A word 6 to anything converter, currently supporting output formats in text and \LaTeX{}.

Author: Duncan Simpson; CTAN location: tools/word2x
wordcount \texttt{latex3} Estimate the number of words in a \LaTeX{} document. Provides a relatively easy way of estimating the number of words in a \LaTeX{} document that does not require dvtty or other DVI converters; it does however require something like Unix grep -c that can search a file for a particular string and report the number of matching lines. An accompanying shell script \texttt{wordcount.sh} contains more information in its comments.

Author: Michael J. Downes; CTAN location: \texttt{macros/latex/contrib/supported/wordcount}

wp-conv \texttt{doc2} A list (in HTML format) of packages for converting between \LaTeX{} and \TeX{} documents and a variety of other formats including RTF, Word, and Wordperfect.

Author: Wilfried Hennings; CTAN location: \texttt{help/wp-conv}

wp2latex Convert WordPerfect documents to \LaTeX{}.

Author: Jaroslav Fojtik; CTAN location: \texttt{support/wp2latex}

wrapfig Produces figures which text can flow around. Does not work in combination with list environments, but can be used in a parbox or minipage, and in twocolumn format.

Author: unknown; CTAN location: \texttt{macros/latex/contrib/other/misc}

wsuipa Style for using International Phonetic Alphabet fonts.

Author: Anshuman Pandey; CTAN location: \texttt{fonts/wsuipa}

wsuipa2tipa Translate wsuipa font commands into tipa font commands. Old wsuipa fonts don’t compile well on newer \TeX{} distributions, and may be unavailable on your local installation. The fonts are superseded by the newer tipa fonts. The program wsu2tipa works as a filter that translates an old \LaTeX{} document, replacing all wsuipa font commands with tipa font commands.

Author: Peter Kleiweg; CTAN location: \texttt{support/wsuipa2tipa}

wtext95 A flexible, 32-bit MS-Windows-\TeX{}-editor with Highlight-O-Matic syntax-highlighting.

Author: Michael Mucke; CTAN location: \texttt{systems/win32/wtext95}

xarticle A class that allows use of 7pt, 8pt and 9pt style options. Not fully compatible with article class though.

Author: unknown; CTAN location: \texttt{macros/latex209/contrib/xarticle}

xcomment Allows selected environments to be included/excluded.

Author: unknown; CTAN location: \texttt{macros/latex/contrib/other/seminar/src}

xdvi A dvi previewer for the X Window System.

Author: Paul Vojta; CTAN location: \texttt{dviware/xdvi}

xdvik A version of xdvi with recursive searching. A (now standard) variant of xdvi with recursive searching for font files in subdirectories.

Author: unknown; CTAN location: \texttt{dviware/xdvik}

xfig XWindows vector drawing program. A menu-driven tool that allows the user to draw and manipulate objects interactively in an X window. Generates pictures for PostScript and a variety of other formats (e.g. for inclusion in \LaTeX{} documents).

Author: Brian Smith; CTAN location: \texttt{graphics/xfig}

xml-catalogue Use xmltex to format the \TeX{} Catalogue. This package uses xmltex to generate a printed copy of the \TeX{} Catalogue. This is not a particularly useful idea as such, as the Catalogue is far better suited to presentation on the web. However, this package provides an example of what can be done with xmltex.

Author: James Kilfiger; CTAN location: \texttt{macros/xmltex/contrib/xml-catalogue}

xml-play Typeset Shakespeare’s plays as marked up by Bosak. This is an xmltex package for typsetting the plays of Shakespeare, as marked up by Jon Bosak. See \url{http://www.oasis-open.org/cover/bosakShakespeare200.html}.

Author: James Kilfiger; CTAN location: \texttt{macros/xmltex/contrib/xml-play}

xmltex Support for parsing XML documents. This package provides an implementation of a parser for documents matching the XML 1.0 and XML Namespace Recommendations. In addition to parsing commands are provided to attach \TeX{} typesetting instructions to the various markup elements as they are encountered. Sample files for typesetting a subset of TEI, MathML, are included. Element and Attribute names, as well as character data, may use any characters allowed in XML, using utf-8 or a suitable 8bit encoding.

Author: David Carlisle; CTAN location: \texttt{macros/xmltex/base}

xr References to other \LaTeX{} documents.

Author: David Carlisle; CTAN location: \texttt{macros/latex/required/tools}
Define commands that don’t eat spaces.
Author: David Carlisle; CTAN location: macros/latex/required/tools

Break tables across pages. An extended version of supertabular to automatically break tables across pages and includes extra functionality.
Author: Peter Wilson; CTAN location: macros/latex/contrib/supported/xtab

Defining language-dependent text macros.
Author: unknown

An X11 \TeX\ menu built on Tcl/Tk. Provides a simple and comfortable graphical user interface to control file and directory selection, directory creation, vi, emacs, \TeX, \LaTeX, \EpTeX, previewing, etc. Written in Tcl/Tk.
Author: Guenther Lamprecht, Wolfhard Lotz and Roland Weibezahn; CTAN location: support/xtem_texmenu

Extract contents of \LaTeX\ environments.
Author: Thomas Ruedas; CTAN location: support/xtrcode

Typesetting chemical structures.
Author: unknown; CTAN location: macros/latex/contrib/other/ymtex

A package for typesetting a variety of graphs and diagrams with \TeX. Xy-pic works with most formats (including \LaTeX, AMS-\LaTeX, AMS-\TeX, and plain \TeX), in particular Xy-pic is provided as a \LaTeX\ 2e ‘supported package’.
Author: Kristoffer H. Rose; CTAN location: macros/generic/diagrams/xypic

Miscellaneous footnote commands. Contains three style files; pnote.sty to enclose footnote numbers within a page; fnpos.sty to control the position of footnotes; dblfnote to make footnotes double-columned.
Author: Hiroshi Nakashima; CTAN location: macros/latex/contrib/supported/yafoot

Greek fonts by Yannis Haralambous.
Author: unknown; CTAN location: fonts/greek/yannis

Support for old German fonts. A \LaTeX\ interface to the old-german fonts designed by Yannis Haralambous: Gotisch, Schwabacher, Fraktur and the baroque initials.
Author: Walter Schmidt; CTAN location: macros/latex/contrib/supported/yfonts

Extended maths fonts for \LaTeX\.
Author: Yannis Haralambous; CTAN location: macros/latex/contrib/supported/yhmath

Package to provide support in \LaTeX\ for writing all standardized Yi characters. Yi (also known as Lolo) is spoken in Southern China; the script is syllabic, based on an older, ideographic system.
Author: Oliver Corff; CTAN location: language/yi4latex

A special font (yinit) is defined to be used for initial dropped capitals.
Author: unknown; CTAN location: fonts/gothic/yinit

A package for typesetting Young-Tableaux, mathematical symbols for the representations of groups, providing two macros, \yng(1) and \young(1) to generate the whole Young-Tableaux.
Author: Volker Boerchers; CTAN location: macros/latex/contrib/supported/youngtab

Daily planner type calendar. Prints two six-monthly vertrical-type daily planner (i.e., months along the top, days downwards), with each 6-month period fitting onto a single A4 (or US letter) sheet. Updated annually. Support for English, French, German, Spanish and Portuguese.
Author: Dick Nickalls; CTAN location: macros/latex/contrib/other/yplan

Macro package developed at MIT.
Author: unknown; CTAN location: macros/ytex

Typesetting Z and CSP format specifications.
Author: unknown; CTAN location: macros/latex/contrib/other/zed-csp

Virtual T1 encoded Computer Modern fonts based on (OT1) Computer Modern, Times, and Helvetica fonts, intended to simulate ‘dc’ fonts. (Wayne Sullivan’s ‘dm’ fonts are another approach to the substitution of ‘dc’ fonts by virtual ones.)
Author: Robert Fuster; CTAN location: fonts/zefonts