

- a0poster** Provides fonts in sizes of 12pt up to 107pt. Provides fonts in sizes of 12pt up to 107pt and also
latex3 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`
- 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 T_EX.
 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 Provides support for A4 paper sizes, however it is mostly superseded by the a4paper option of L^AT_EX and by the geometry package.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 Note however that it is superseded by geometry.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 Note however that it is superseded by geometry.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 Superseded by geometry.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 L^AT_EX. A L^AT_EX 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.
latex3 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 MusicT_EX.
 Author: Chris Walshaw; CTAN location: `support/abc2mtex`
- abstbook** Books of abstracts. A L^AT_EX 2_ε 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: Havlik 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.
latex2 Author: Peter R. Wilson; CTAN location: `macros/latex/contrib/supported/abstract`
- abstyles** No description available.
- bibtex3** 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.
fonts3 Author: John Smith; CTAN location: `fonts/utilities/accfonts`
- achemso** L^AT_EX and B_IB_TE_X style for American Chemical Society.
latex3 Author: Mats Dahlgren; CTAN location: `macros/latex/contrib/supported/achemso`

- achicago-bst** Chicago Manual Bib \TeX style. Produces bibliographies based on The Chicago Manual of Style. Requires the achicago \LaTeX package.
Author: Matt Swift; CTAN location: `macros/latex/contrib/supported/frankenstein`
- achicago** Chicago Manual citations in \LaTeX . Produces author-date citations based on The Chicago Manual of Style.
Author: Matt Swift; CTAN location: `macros/latex/contrib/supported/frankenstein`
- 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 www.acm.org/sigs/pubs/proceed/pubform.doc.
Author: Juergen Vollmer; CTAN location: `macros/latex/contrib/supported/acmconf`
- 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: `macros/latex/contrib/supported/acronym`
- adfathesis** Australian Defence Force Academy thesis format.
Author: Stephen Harker; CTAN location: `macros/latex/contrib/supported/adfathesis`
- adobe** Font metrics and macro support for many Adobe fonts.
Author: unknown; CTAN location: `fonts/postscript/adobe`
- adobeother** Font metrics for Adobe non-standard fonts.
Author: Sebastian Rahtz
- adobestd** Font metrics for Adobe ‘standard’ fonts.
Author: Sebastian Rahtz
- adrlist** Using address lists in \LaTeX .
Author: unknown; CTAN location: `macros/latex/contrib/other/adrlist`
- advdate** Provides macros which can add a specified number of days to the current date (as specified in `\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: `macros/latex/contrib/other/misc`
- 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: `fonts/ae`
- aequill** 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: `macros/latex/contrib/supported/aequill`
- 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 tables drift to the end of the document. One may flush out all the unprocessed floats by issuing a `\clearpage` command, but this has the effect of making the current page end prematurely. Now you can issue `\afterpage{\clearpage}` and the current page will be filled up with text as usual, but then a `\clearpage` command will flush out all the floats before the next text page begins.
Author: David Carlisle; CTAN location: `macros/latex/required/tools`
- 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: `macros/latex/contrib/supported/afthesis`
- aguplus** Styles for American Geophysical Union.
Author: P. W. Daly; CTAN location: `macros/latex/contrib/supported/aguplus`
- aiaa** American Institute of Aeronautics and Astronautics. A bundle of \LaTeX / $\text{Bib}\TeX$ 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: `macros/latex/contrib/supported/aiaa`

- aifont** BSR/YandY/AMS Type 1 Computer Modern fonts. Virtual fonts and other related files for remapping the BSR/YandY/AMS Type 1 Computer Modern fonts. This helps to produce more robust PDF output from pdfTeX, dvips/gs, and dviPDF.
Author: Skip Collins; CTAN location: **fonts/cm/ai**
- akletter** Comprehensive letter support. An advanced letter document class which extends L^AT_EX's usual letter class, providing support for building your own letterhead and marking fold points for window envelopes. Options supported by the package include: letterpaper 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 akfaxps a new configuration example that uses Times/Courier.
Author: Axel Kielhorn; CTAN location: **macros/latex/contrib/supported/akletter**
- alatem** Abstract L^AT_EX. Provides the user with all the functionality of L^AT_EX but with one small change: a general, legal way to override standard L^AT_EX behavior without altering source files. can interpret official L^AT_EX markup in an abstract way.
Author: Matt Swift; CTAN location: **macros/alatem**
- alg** L^AT_EX environments for typesetting algorithms. Defines two environments for typesetting algorithms in L^AT_EX 2_ε where lines are automatically numbered and can be referenced, with easy indentation, and algorithms as floats.
Author: Staffan Ulfberg; CTAN location: **macros/latex/contrib/other/alg**
- 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**
- algorithms** Defines a floating algorithm environment designed to work with the algorithmic package.
Author: Peter Williams; CTAN location: **macros/latex/contrib/supported/algorithms**
- alltt** Defines the alltt environment which is like the verbatim environment except that \ and braces have their usual meanings. Thus, other commands and environments can appear within an alltt environment.
Author: Johannes Braams; CTAN location: **macros/latex/base**
- alphalph** Convert numbers to letters. Provides commands \alphalph and \AlphAlph. They are like \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 L^AT_EX's \@alph and \@Alph macros.
Author: Heiko Oberdiek; CTAN location: **macros/latex/contrib/supported/oberdiek**
- alphanum** Permits 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 psnffs and mfnffs. Similar to psfont with the PostScript specific code removed.
Author: Sebastian Kirsch; CTAN location: **macros/latex/contrib/supported/altfont**
- amiweb2c** An Amiga port of the complete UNIX-TeX system.
Author: Andreas Scherer; CTAN location: **systems/amiga/amiweb2c**
- amsbsy** Produce bold math symbols (AMS-L^AT_EX). Produce bold math symbols (AMS-L^AT_EX). Part of the AMS-L^AT_EX 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-L^AT_EX – commutative diagrams. Part of the AMS-L^AT_EX distribution, this package adapts the commutative diagram macros of AMS-TeX for use in L^AT_EX.
Author: American Mathematical Society; CTAN location: **macros/latex/required/amslatex/math**
- amscls** AMS document class for L^AT_EX.
Author: American Mathematical Society; CTAN location: **macros/latex/required/amslatex**
- amsfonts** TeX fonts from the American Mathematical Society. Augments the standard set normally distributed with 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**

- amslatex** Miscellaneous L^AT_EX enhancements. A collection of loosely related files that are distributed together by the American Mathematical Society. These files are miscellaneous enhancements to L^AT_EX whose aim is superior information structure of mathematical documents and superior printed output.
Author: American Mathematical Society; CTAN location: `macros/latex/required/amslatex`
- latex2**
- amsmath** AMS math facilities for L^AT_EX. This package is the principal package in the AMS-L^AT_EX distribution. It adapts for use in L^AT_EX most of the mathematical features found in AMS-T_EX.
Author: American Mathematical Society; CTAN location: `macros/latex/required/amslatex/math`
- amsppt** AMS-T_EX article preprint document style.
Author: American Mathematical Society; CTAN location: `macros/amstex`
- amssym** AMS symbol fonts for Plain T_EX. Defines names for all the math symbols in the AMS symbol fonts (msam and msbm). If not used with AMS-T_EX, amssym.tex must be used with amssym.def (q.v.).
Author: American Mathematical Society; CTAN location: `fonts/amsfonts/plaintex`
- amssymb** AMS symbol fonts for L^AT_EX. Part of the AMSFonts distribution, this L^AT_EX option defines symbol names for all the math symbols in the fonts MSAM and MSBM, of the AMSFonts package.
Author: American Mathematical Society; CTAN location: `fonts/amsfonts/latex`
- amstex** American Mathematical Society plain T_EX macros.
plain2 Author: American Mathematical Society; CTAN location: `macros/amstex`
- amstext** AMS-L^AT_EX – text fragments in math. Part of the AMS-L^AT_EX distribution, this package defines a `\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.
latex2 Author: American Mathematical Society; CTAN location: `macros/latex/required/amslatex/math`
- anonchap** Make `\chapters` be typeset like sections.
Author: Peter R. Wilson; CTAN location: `macros/latex/contrib/supported/misc`
- answers** Styles for setting questions (or exercises) and answers. Styles for setting questions (or exercises) and answers.
latex3 Author: Mike Piff; CTAN location: `macros/latex/contrib/supported/answers`
- antp** 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 (?)
fonts3 Author: J. Nowacki; CTAN location: `fonts/psfonts/polish/antp`
- 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' (antykto) in OT1, T1, TS1 and OT4 encodings, to be used with L^AT_EX 2_ε.
Author: Tomasz Wierzbicki; CTAN location: `fonts/psfonts/anttvf`
- antykto** 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.
fonts3 Author: J. Nowacki; CTAN location: `fonts/psfonts/polish/antykto`
- apa** American Psychological Association format. A L^AT_EX 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 L^AT_EX-like output with a few enhancements and APA-motivated changes.
latex3 Author: Athanassios Protopapas; CTAN location: `macros/latex/contrib/other/apa`
- apacite** A BIB_TE_X style which closely follows the APA style citation, claiming to provide the closest match.
bibtex3 Author: Erik Meijer; CTAN location: `biblio/bibtex/contrib`
- apasoft** A more conforming apa-like style for BIB_TE_X.
Author: Bernd Porr; CTAN location: `biblio/bibtex/contrib`
- apl** Fonts for typesetting APL programs.
fonts3 Author: unknown; CTAN location: `fonts/apl`

- 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 $\LaTeX 2_{\epsilon}$ package for producing and using the capital A and capital R ligature, 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.
 Author: Klaus Lagally; CTAN location: `language/arabtex`
- archaic A collection of archaic fonts. The collection includes cypriot, etruscan, greek4cbc, greek6cbc, linearb, phoenician, and runic.
 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.
 Author: Serguei Dachian and V. Hakobian; CTAN location: `fonts/armenian`
- armtex A system for writing Armenian with \TeX and \LaTeX . $\text{Arm}\TeX$ is an Armenian system for \TeX / $\LaTeX(2_{\epsilon})$ /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 `ArmSCII8` Armenian standard).
 Author: Serguei Dachian; CTAN location: `language/armenian`
- arosgn Support for the Bengali language.
 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 (\LaTeX) . This package provides array data structures in (\LaTeX) , 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 Explain 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 `\hdashline` 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.
 Author: George Pearson; CTAN location: `macros/latex/contrib/other/asaetr`
- 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.
 Author: unknown; CTAN location: `fonts/ascii`
- astro Astronomical (planetary) symbols. Astronomical (planetary) symbols.
 Author: unknown; CTAN location: `fonts/astro`

- at** A package to remove a lot of tedious typing that ends up in L^AT_EX documents by expanding the number of short command names available. The new command names begin with the ‘@’ character, rather than the conventional ‘\’, so you can tell them apart.
Author: Mark Wooding; CTAN location: `macros/latex/contrib/supported/mdwtools`
- attrib** Attribution of block quotations in L^AT_EX. A L^AT_EX package defining `\attrib`, which attributes block elements, for example when citing a reference after a block quotation.
Author: Matt Swift; CTAN location: `macros/latex/contrib/supported/frankenstein`
- auctex** Emacs support files for T_EX. Provides one of the best environments for T_EX/L^AT_EX document production.
Author: unknown; CTAN location: `support/auctex`
- auncial** Artificial Uncial manuscript book-hand font. The `auncial` and `allauncial` 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: `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.
latex3 Author: Andreas Wettstein; CTAN location: `indexing/authorindex`
- autotab** Generating tabular setups.
latex3 Author: unknown; CTAN location: `macros/latex209/contrib/autotab`
- babel** Multilingual support for L^AT_EX.
generic2 Author: Johannes L. Braams; CTAN location: `macros/latex/required/babel`
- backgammon** Style for typesetting backgammon boards.
fonts3 Author: unknown; CTAN location: `macros/latex/contrib/other/bg`
- backgrnd** Mark text with grey background or change bar Marks text, using T_EX’s resources only (no PostScript tricks – grey background uses a shade font defined with MetaFont. Works under plain T_EX, in simple L^AT_EX 2.09 documents, but probably not in L^AT_EX 2_ε.
Author: Peter Schmitt; CTAN location: `macros/generic`
- bakoma-fonts** Computer Modern and AMS fonts in PostScript Type1 form.
Author: unknown; CTAN location: `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: M_us_iX_T_EX) and 8 (Playing games: Chess, Xiangqi - Chinese Chess, Go, Backgammon, Bridge, Crosswords) of the ‘L^AT_EX Graphics Companion’ They are precompiled for use, together with fonts and documentation, directly in BaKoMa T_EX. 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: `systems/win32/bakoma/contrib`
- bakoma-malvern** T_EX for MS-Windows for electronic documents. Malvern is a sanserif 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 T_EX 2.11 and later.
Author: Basil Malyshev; CTAN location: `systems/win32/bakoma/dst`

- bakoma** **fonts2** \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 (BIB \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 JPEG, PNG, GIF, TIFF, HPGL, DXY, PCX, MSP, BMP, and WMF graphical formats. The system supports generation 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 Zapf dingbats. An NFSS-interface to the symbol font **bbding** containing many of the Zapf dingbats fonts.
fonts3 Author: Peter Neergaard; CTAN location: `fonts/bbding`
- bbl2html** Convert a \LaTeX .bbl file to formatted html code.
Author: Rik Blok; CTAN location: `biblio/bibtex/utils`
- bbm** Blackboard variant fonts for Computer Modern, with \LaTeX 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
- beebe** \TeX -related bibliographies and BIB \TeX styles. Nelson Beebe's collection of \TeX -related bibliographies and BIB \TeX style files.
bibtex2 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 \LaTeX 2 ϵ document with the Concrete fonts designed by Don Knuth and used in his book "Concrete Mathematics".
latex3 Author: Frank Jensen; CTAN location: `macros/latex/contrib/supported/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.
latex3 Author: Peter Wilson; CTAN location: `macros/latex/contrib/supported/bez123`
- bezos** Packages by Javier Bezos. Tools for math accents; tensorial indexes; tools for easy entry of Spanish index entries.
latex3 Author: Javier Bezos; CTAN location: `macros/latex/contrib/supported/bezos`
- bibarts** A package to assist in making bibliographical lists common in the arts.
bibtex3 Author: Timo Baumann; CTAN location: `macros/latex/contrib/supported/bibarts`
- bibdb** BIB \TeX bibliography manager for MS-Windows and MS-DOS.
Author: Eyal Doron; CTAN location: `support/bibdb`
- bibhtml** BIB \TeX support for HTML files. Bibhtml consists of a Perl script and a BIB \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 BIB \TeX database file, then the generated bibliography entry is linked to this. The BIB \TeX style file is plainhtml.bst, and is derived from the standard plain.bst.
bibtex3 Author: Norman Gray; CTAN location: `biblio/bibtex/contrib/bibhtml`

- biblio** An extensive collection of $\text{BIB}\text{T}\text{E}\text{X}$ 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 $\text{L}\text{A}\text{T}\text{E}\text{X}$ 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 $\text{BIB}\text{T}\text{E}\text{X}$ 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**
- biblist** $\text{BIB}\text{T}\text{E}\text{X}$ styles by Joachim Schrod.
latex3 Author: Joachim Schrod; CTAN location: **macros/latex209/contrib/biblist**
- bibtex** Bibliography management for $\text{L}\text{A}\text{T}\text{E}\text{X}$.
bibtex1 Author: Oren Patashnik; CTAN location: **biblio/bibtex/distribs**
- bibtex8bit** A fully 8-bit adaptation of $\text{BIB}\text{T}\text{E}\text{X}$ 0.99.
bibtex2 Author: Niel Kempson; CTAN location: **biblio/bibtex/8-bit**
- bibtool** Command line manipulation of $\text{BIB}\text{T}\text{E}\text{X}$ files. Command line manipulation of $\text{BIB}\text{T}\text{E}\text{X}$ files: Pretty-printing data bases; Syntactic checks with error recovery; Semantic checks. Sorting and merging of data bases; Generation of uniform reference keys according to predefined rules or according to user specification; Selecting references used in one publication which are found by analyzing an aux file; Controlled rewriting of fields utilising regular expressions to specify the rewriting rules; Macro (String) expansion to eliminate the need of extra string definitions; Collecting statistics about one or more data bases.
Author: Gerd Neugebauer; CTAN location: **biblio/bibtex/utills/bibtool**
- bibtopic** Include multiple ‘by topic’ bibliographies in a document. A $\text{L}\text{A}\text{T}\text{E}\text{X}$ package to include several bibliographies covering different ‘topics’ or bibliographic material into a document (e.g., one bibliography for primary literature and one for secondary literature). Provides commands to include either all references from a .bib file, only the references actually cited or those not cited in your document. You’ll have to construct a separate .bib file for each bibliographic ‘topic’, which will have to be processed separately by $\text{BIB}\text{T}\text{E}\text{X}$. If you want to have per-chapter bibliographies in a document, have a look at the packages bibunits or chapterbib instead.
bibtex2 Author: Pierre Basso and Stefan Ulrich; CTAN location: **macros/latex/contrib/supported/bibtopic**
- bibunits** Multiple bibliographies in one document. A style to generate separate bibliographies for different units (parts) of the text (chapters, sections or bibunit-environments). The style will separate the citations of each unit of text into a separate file to be processed by $\text{BIB}\text{T}\text{E}\text{X}$. The global bibliography section produced by $\text{L}\text{A}\text{T}\text{E}\text{X}$ can also appear in the document and citations can be placed in both at the same time.
latex3 Author: Jose Alberto and Thorston Hansen; CTAN location: **macros/latex/contrib/supported/bibunits**
- bibweb** Automatically retrieve bibliography from MathSciNet. A utility to automatically retrieve mathematical bibliographical information, in $\text{BIB}\text{T}\text{E}\text{X}$ format, from the American Mathematical Society’s MathSciNet database. More precisely, it acts as a front-end to $\text{BIB}\text{T}\text{E}\text{X}$; it converts any citations that $\text{BIB}\text{T}\text{E}\text{X}$ can’t find into queries to the MathSciNet database, it carries out those queries, and returns the answers in $\text{BIB}\text{T}\text{E}\text{X}$ format. Included in the package are: the perl script bibweb, documentation (in various formats), and a test file.
Author: John H. Palmieri; CTAN location: **biblio/bibtex/utills/bibweb**
- bidstobibtex** A tool to take input from a BIDS email message (generated using one of the downloading formats) to $\text{BIB}\text{T}\text{E}\text{X}$.
Author: Anthony Stone; CTAN location: **biblio/bibtex/contrib/bids**
- bigdelim** Big delimiters.
latex3 Author: Piet van Oostrum; CTAN location: **macros/latex/contrib/supported/multirow**
- bigstrut** Big struts.
latex3 Author: Piet van Oostrum; CTAN location: **macros/latex/contrib/supported/multirow**
- bits** Modular environments in $\text{L}\text{A}\text{T}\text{E}\text{X}$. A $\text{L}\text{A}\text{T}\text{E}\text{X}$ package that provides a programmer’s interface for a new idea called a bit, which is like an environment but has a title, author, and other attributes usually only associated with the document environment.
latex3 Author: Matt Swift; CTAN location: **macros/latex/contrib/supported/frankenstein/unsupported**

- `bitstrea` Font metrics, and macro support in $\LaTeX 2_{\epsilon}$, 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 \LaTeX , 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 \LaTeX . A \LaTeX 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.
`latex3` 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 `\opening` and `\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/other/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
`formats3` Knuth's `manmac`.
Author: Kees van der Laan; CTAN location: `macros/blu`
- `bluesky` Computer Modern family in Type 1 format.
`fonts1` 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 `\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.
`fonts3` 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.
`graphics3` Author: Francois Borceux; CTAN location: `macros/generic/diagrams/borceux`
- `bosisio` A collection of packages including: `dblfont`; `graphfig`; `mathcmd`; `mathenv`; `quotes`; `sobolev`.
`latex3` 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/other/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/other/misc`
- `brclc` Support 16-bit (double) calculations in \LaTeX . The following calculations are implemented: `+`, `-`, `*`, `/`, `^`, `exp`, `log`, `ln`, `sin`, `cos`, `tan`, `asin`, `acos`, `atan`. The output can be formatted and rounded. The program `brclc` is a preprocessor so it must be run before you run \LaTeX ! It is recommended using a shellsript like 'testcl' which does this for you. The new command `\clc{arg}` is defined. The program `brclc` outputs a file called `*.clc` in which \LaTeX finds the definitions needed to complete the `\clc{arg}`-command. The \LaTeX -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 B_IB_TE_X files. Includes a C library called btparse and a perl library Text::BibTeX. Features include: robust, efficient lexical scanning and parsing of B_IB_TE_X files; excellent error detection, reporting, and recovery in the parser; full processing of B_IB_TE_X 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 B_IB_TE_X; preliminary support for imposing/enforcing a particular database structure.
 Author: Greg Ward; CTAN location: **biblio/bibtex/utills/bt001**
- bytefield** Create illustrations for network protocol specifications. The bytefield package helps the user create
latex3 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: Scott Pakin; CTAN location: **macros/latex/contrib/supported/bytefield**
- bzip2** Compression program.
texlive2 Author: unknown; CTAN location: **tools/bzip2**
- c-pascal** Typeset C and Pascal programs. A T_EX macro package for easy typesetting of programs in C and
generic3 Pascal. Program sources in C and Pascal can also be input.
 Author: Michal Gulczynski; 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 L^AT_EX 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
latex3 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 L^AT_EX
fonts3 package for using this font is available in fundus.
 Author: Peter Vanroose and Serguei Dachian; CTAN location: **fonts/calligra**
- calrsfs** Nicer calligraphic letters.
latex3 Author: Vadim Zhytnikov; CTAN location: **macros/latex/contrib/other/calrsfs**
- calxxxx** Prints a card-size calendar for any year. Prints a card-size calendar for any year, AD or BC, with
latex3 Gregorian or Julian leap rules (useful for year before adoption of Gregorian rules). **Cal2000.tex** prints a calendar for years 1990–2020.
 Author: Slobodan Jankovic; CTAN location: **macros/latex/contrib/other/calxxxx**
- camel** Comprehensive bibliography manager (prototype citation engine for L^AT_EX3). Will become B_IB_TE_X 1.0
latex3 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
latex2 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 / \LaTeX . It started out as an example of using \BibTeX , 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`
- cc-pl Polish extension of Computer Concrete fonts (MetaFont sources).
fonts2 Author: Boguslaw Jackowski and M. Ryćko; CTAN location: `language/polish`
- ccaption 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.
latex3 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 `concmath`).
latex3 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 the `\cbstart` and `\cbend` commands.
latex2 Author: Johannes Braams; CTAN location: `macros/latex/contrib/supported/changebar`
- chappg Package for page numbering by chapter. Provides for `chapterno-pageno` or `chaptername-pageno` 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`

- chemcono 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`, using `\fcite` and `\theffbibliography` 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`
- chemsym Macros for typing chemical symbols.
 Author: Mats Dahlgren; CTAN location: `macros/latex/contrib/supported/chemsym`
- cheq Adobe chess font.
 Author: Adrian Clark; CTAN location: `fonts/cheq`
- cherokee Fonts for Cherokee scripts.
 Author: Alan M. Stanier; CTAN location: `fonts/cherokee`
- chess Fonts for typesetting chess boards.
 Author: Piet Tutelaaers; CTAN location: `fonts/chess`
- chicago A bibliography style.
 Author: Glenn Pauley; CTAN location: `biblio/bibtex/contrib`
- china2e A \LaTeX package to produce Chinese calendar symbols of the old Chinese lunisolar calendar.
 Author: Udo Heyl; CTAN location: `macros/latex/contrib/supported/china2e`
- chktex 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`
- chngpage 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`
- circ 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`
- circle 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`
- circuit-macros 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`
- cirth Fonts for Cirth.
 Author: Jo Grant; CTAN location: `fonts/cirth`
- cite Supports compressed, sorted lists of numerical citations.
 Author: Donald Arseneau; CTAN location: `macros/latex/contrib/supported/cite`
- citeref Support backward references in the bibliography.
 Author: Olaf Maibaum; CTAN location: `macros/latex/contrib/other/citeref`
- CJK-fonts Fonts to go with the cjk macro package for Chinese/Japanese/Korean with $\LaTeX 2\epsilon$.
 Author: Werner Lemberg; CTAN location: `fonts/CJK`
- CJK A macro package which enables the use of Chinese/Japanese/Korean with $\LaTeX 2\epsilon$.
 Author: Werner Lemberg; CTAN location: `language/chinese/CJK`
- cm 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 \LaTeX . A family of sans serif fonts for \TeX and \LaTeX , 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 \LaTeX .
fonts2 Author: Walter Schmidt; CTAN location: `fonts/cmbright`
- cmcyr** Computer Modern fonts extended with Russian letters, in MetaFont sources and ATM Compatible.
fonts3 Author: N. Glonty, A. Samarin; B. K. Malyshev; CTAN location: `fonts/cyrillic/cmcyr`
- cmcyralt** Alternative Russian encoding support.
latex3 Author: Alexander Harin; CTAN location: `fonts/cyrillic/cmcyralt`
- 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 \TeX log, for example: `mdash` was used on line 25; `ndash` was never used.
latex3 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 fount setup for using old style digits. This package is a virtual fount setup for using old style digits by default with the OT1 encoded Computer Modern Roman upright founts. The `eco` package does the same job for the T1 encoded EC founts and is generally much better because the EC founts 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/compica`
- cmpr** 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 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 \LaTeX makes use of the current ones.
latex3 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/mdwtools`
- cmyk-hax** A \TeX macro package for colour manipulation (using PostScript). A set of \TeX macros supporting color separation and substitution using the \TeX /PostScript environment. Requires `dvips` and `colordvi.tex/sty` from the standard `dvips` distribution. The current version enables processing of CMYK bitmaps.
generic2 Author: BOP; CTAN location: `macros/generic/TeX-PS/cmyk-hax`
- code128** A set of barcode macros for the Code 128 standard.
Author: Petr Olšák; CTAN location: `macros/generic/code128`
- codepage** Support for variant code pages.
latex3 Author: Alain Aubord; CTAN location: `macros/latex/contrib/supported/codepage`
- color** Allows text and page background colors to be set. For documentation see `grfguide`.
Author: David Carlisle; CTAN location: `macros/latex/required/graphics`
- colorsep** Color separation. Support for colour separation when using `dvips`.
dvips3 Author: Sebastian Rahtz

- colortab** Shade cells of tables and halign. Lets you shade or color the cells in the alignment environments
plain3 such as `\halign` and L^AT_EX's tabular and array environments.
 Author: Timothy Van Zandt; CTAN location: `macros/generic/colortab`
- colortbl** Add colour to L^AT_EX tables. Allows rows and columns to be coloured, and even individual cells.
 Author: David Carlisle; CTAN location: `macros/latex/contrib/supported/carlisle`
- combine** Bundle individual documents into a single document. The combine class lets you bundle individual
latex3 documents into a single document, such as when preparing a conference proceedings. The auxiliary
 combinet package puts the titles and authors from `\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: `macros/latex/contrib/supported/combine`
- comma** 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: `macros/latex/contrib/supported/carlisle`
- comment** Selectively include/exclude portions of text. Selectively include/exclude pieces of text, allowing the
latex2 user to define new, separately controlled, comment versions.
 Author: Victor Eijkhout; CTAN location: `macros/latex/contrib/other/comment`
- compsci** Document (L^AT_EX) programming with L^AT_EX. Document (L^AT_EX) programming with L^AT_EX. A L^AT_EX
latex3 package useful whenever writing about programming, but especially when writing about T_EX and
 especially when used as a supplement to the ltxdoc class to document L^AT_EX macros in a literate
 programming style with dtx files.
 Author: Matt Swift; CTAN location: `macros/latex/contrib/supported/frankenstein`
- concmath** Concrete Math fonts. L^AT_EX package and font definition files to access the Concrete math fonts,
fonts3 which were derived from Computer Modern math fonts using parameters from Concrete Roman text
 fonts. (CTAN: `fonts/concmath`)
 Author: Ulrik Vieth; CTAN location: `macros/latex/contrib/other/concmath`
- concprog** A class which provides the necessary macros to prepare a (classical) concert programme.
 Author: unknown; CTAN location: `macros/latex/contrib/supported/concprog`
- concrete-wrap** A wrapper to load up the appropriate packages to use the concrete fonts.
fonts3 Author: Jim Hefferon; CTAN location: `macros/latex/contrib/other/misc`
- concrete** Concrete Roman fonts. Concrete Roman fonts, designed by Donald E. Knuth, originally for use
fonts3 with Euler math fonts.
 Author: Donald Knuth; CTAN location: `fonts/concrete`
- consdiag** A utility for OO programming documentation. Written in python it generates L^AT_EX code (texdraw)
 to draw Rumbaugh OO boxes.
 Author: Manuel Gutierrez Algaba; CTAN location: `support/consdiag`
- context** The ConT_EXt macro package. A full featured, parameter driven macro package, which fully supports
formats2 advanced interactive documents. ppctxex is a module that can be used to typeset chemical formulas.
 Author: Hans Hagen; CTAN location: `macros/context`
- contour** Print a coloured contour around text. This package generates a colored contour around a given text
latex3 in order to enable printing text over a background without the need of a color box around the text.
 Author: Harald Harders; CTAN location: `macros/latex/contrib/supported/contour`
- cooking** Typeset recipes.
latex3 Author: Axel Reichert; CTAN location: `macros/latex/contrib/supported/cooking`
- corelpak** 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: `fonts/psfonts/corelpak/contrib`
- countlto** Set count1 to count9. A L^AT_EX 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
 everyshi package.
 Author: Martin Schroeder; CTAN location: `macros/latex/contrib/supported/ms`
- covington** Linguistic support. Numerous minor L^AT_EX enhancements for linguistics, including multiple accents
latex3 on the same letter, interline glosses (word-by-word translations), Discourse Representation Structures,
 and example numbering.
 Author: Michael Covington; CTAN location: `macros/latex/contrib/supported/covington`

- croatian** Fonts for typesetting Croatian scripts.
lang3 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.
latex3 Author: Melchior Franz; CTAN location: `macros/latex/contrib/supported/crop`
- crosswrđ** Macros for typesetting crossword puzzles. Brian Hamilton Kelly's `crosswrđ` package updated to run with $\LaTeX 2\epsilon$.
latex3 Author: Brian Hamilton Kelly and Frank Mittelbach; CTAN location: `macros/latex/contrib/other/crosswrđ`
- cryst** Font for symmetry elements in crystallography.
latex3 Author: Ulrich Mueller; CTAN location: `fonts/cryst`
- csfonts** Czech/Slovak-tuned MetaFont Computer Modern fonts.
fonts2 Author: unknown
- cslatex** \LaTeX support for Czech/Slovak typesetting.
lang2 Author: unknown
- csplain** Plain \TeX support for Czech/Slovak typesetting.
lang2 Author: unknown
- cspfonts** Czech and Slovakian PostScript fonts.
fonts2 Author: unknown
- csstug** No description available.
doc3 Author: unknown
- csx** Documentation for the CS/CSX documents on MS-DOS. Documentation for the CS/CSX 8-bit transliteration scheme, $\LaTeX 2\epsilon$ input encoding definition file, and screen drivers for viewing CS/CSX documentation on DOS boxes.
Author: Anshuman Pandey; CTAN location: `fonts/csx`
- ctib4tex** Tibetan for \TeX and $\LaTeX 2\epsilon$. 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/ctib`
- currvita** Package for typesetting a curriculum vitae.
latex3 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.
latex3 Author: Piet van Oostrum; CTAN location: `macros/latex/contrib/supported/cursor`
- curves** Curves for \LaTeX picture environment Draws curves in the standard \LaTeX 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 `\specials` selected by package options.
graphics3 Author: Ian Maclaine-cross; CTAN location: `macros/latex/contrib/supported/curves`
- custom-bib** Customised \BIBTeX styles. Package generating customized \BIBTeX bibliography styles from a generic file using `docstrip`. Includes support for the Harvard style.
bibtex2 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`
- cyriot fonts3** A script which was used on Cyprus for writing Greek. The cyriot 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/cyriot`
- cyrillic lang2** 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 fonts3** Font for the Sherlock Holmes ‘Dancing Men’.
Author: Alan M. Stanier; CTAN location: `fonts/dancers`
- dante-src** Contains the source code for a T_EX installation under UNIX (T_EX, current release of \L_aT_EX, MetaFont, B_IB_TE_X, 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 T_EX 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 latex3** 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`
- delimtxt** 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/delimtxt`
- devanagari lang3** 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 latex3** Macros for constructing interactive L^AT_EX scripts.
Author: unknown; CTAN location: `macros/latex/contrib/supported/dialogl`

- dialogue `Quote short scripted dialogue in LATEX.` A L^AT_EX 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`
- dinat 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 L^AT_EX 209
 (with limited support of the features) is part of the package. Since the letter layout is based on a Ger-
 man 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 L^AT_EX and B^IB_TE_X 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 L^AT_EX documentation. Contains the definitions that are necessary to format the documen-
 tation of package files (Literate L^AT_EX) which incorporate both the documentation and the code.
 Author: Frank Mittelbach; CTAN location: `macros/latex/base`
- docmfp Document non-L^AT_EX code. Extends the doc package to cater for documenting non-L^AT_EX 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: L^AT_EX 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 L^AT_EX. A L^AT_EX 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 T_EX.
 Author: Eitan Gurari; CTAN location: `macros/generic/dratex`

- `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 2 ϵ 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.
`latex3`
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 (Z), rational numbers (Q), real numbers (R) and complex numbers (C)
`fonts3`
Author: Olaf Kummer
- `duerer` Computer Duerer fonts.
`fonts3` Author: Alan Hoenig; CTAN location: `fonts/duerer`
- `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 \TeX DVI files directly to bitmaps. A utility to convert \TeX 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 library 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 `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 `\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 Woliński) 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: `graphics/metapost/macros/dviincl`
- `dviljk` A dvi driver for the LaserJet printers with recursive file searching.
Author: unknown; CTAN location: `dviware/dviljk`
- `dviout` \TeX 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`

- `dvipdfm` A dvi driver to produce PDF directly.
`doc2` Author: Mark A. Wicks; CTAN location: `dviware/dvipdfm`
- `dvips-os2` OS2 (and hence MS-DOS, MS-Windows3.1, MS-Windows32) executable for dvips.
 Author: Wonkoo Kim; CTAN location: `systems/os2/dviware/dvips`
- `dvips-shell` A dvips Shell for MS-Windows32.
 Author: unknown; CTAN location: `systems/win32/util`
- `dvips` A dvi to PostScript driver.
`dvips1` Author: Tom Rokicki; CTAN location: `dviware/dvips`
- `dvipsconfig` 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/dvipsconfig`
- `dvipsdoc` No description available.
`dvips2` Author: unknown
- `dvipsk` A (now standard) version of dvips with support for recursive directory searching.
 Author: unknown; CTAN location: `dviware/dvipsk`
- `dviwin` MS-Windows DVI screen and printer driver. A screen and printer driver for T_EX DVI files under Windows 3.1 and Windows NT. Its main features are: Fast previewing (uses 386-specific code if it finds a 386/486); Painless support for graphics in T_EX documents; Uses any standard PK font files or FLI font libraries; Works with all displays and printers supported by Windows; Automatic generation of missing fonts; Support for color printers; Native 32-bit versions for Windows NT; Selectable measurement units; User-definable strings for easy adaptation to various languages (the distribution contains strings for four different languages apart from English); graphics filters for GIF and XPM files, etc. The required memory depends on the resolution that you use. It needs about 1.5M free RAM to print on a 300dpi printer without swapping.
 Author: Hippocrates Sendoukas; CTAN location: `dviware/dviwin`
- `ean` Font for making EAN barcodes.
`generic3` Author: unknown; CTAN location: `macros/generic/ean`
- `easy` A collection of "easy" to use macros.
`latex3` Author: Enrico Bertolazzi; CTAN location: `macros/latex/contrib/supported/easy`
- `easybib` Simple syntax for custom bibliographies. A macro package for writing custom bibliographies with a simple AMS-T_EX-like syntax.
 Author: Enrico Bertolazzi; CTAN location: `macros/latex/contrib/supported/easy`
- `easybmat` 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`
- `easyeqn` 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`
- `easymat` A simple package for writing matrices. Treats a matrix as an array environment with more kinds of lines and reentrant.
 Author: Enrico Bertolazzi; CTAN location: `macros/latex/contrib/supported/easy`
- `easytable` 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`
- `easyvector` Write vectors in a C-like fashion.
 Author: Enrico Bertolazzi; CTAN location: `macros/latex/contrib/supported/easy`

- 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 fonts2** The European Computer Modern Fonts supporting the complete L^AT_EX 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 copleft sign, and many others. Recent releases of L^AT_EX 2_ε 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 fonts3** Sources for the European Concrete fonts. The MetaFont sources and tfm 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`
- ectree** No description available.
- latex3** Author: Hideki Isozaki
- eco fonts3** 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 fonts3** No description available.
Author: unknown
- edmac plain3** A macro package for typesetting scholarly critical editions.
Author: unknown; CTAN location: `macros/plain/contrib/edmac`
- epic graphics2** Extensions to epic and the L^AT_EX drawing tools. Extensions to epic and the L^AT_EX 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 T_EX 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`
- egplot latex3** A package to encapsulate gnuplot commands in a L^AT_EX source file and thus include figures generated with gnuplot.
Author: Axel Probst; CTAN location: `macros/latex/contrib/supported/egplot`
- eiad fonts3** Macros and EIAD fonts.
Author: unknown; CTAN location: `fonts/eiad`
- eijkhout generic3** 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 latex3** Preprint style for Elsevier Science journals.
Author: unknown; CTAN location: `macros/latex/contrib/supported/elsevier`
- elvish fonts3** Font for typesetting Tolkien Elvish script.
Author: Julian Bradfield; CTAN location: `fonts/elvish`
- emp latex3** A package for encapsulated MetaPost pictures in L^AT_EX. 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 T_EX system for OS/2.
Author: unknown; CTAN location: `systems/os2/emtex`
- emtex** A T_EX 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 emtex-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: `systems/os2/emtex-contrib/emtexTDS`
- emulateapj** \LaTeX style files to produce preprints with the page layout similar to that of the Astrophysical Journal.
latex3 Author: Maxim Markevitch; CTAN location: `macros/latex/contrib/supported/emulateapj`
- encodings** No description available.
omega2 Author: unknown
- 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 “[Figure 3 about here]” appearing in the text (by default) near to where the figure (or table) would normally have occurred.
latex3 Author: Jeffrey Goldberg; CTAN location: `macros/latex/contrib/supported/endfloat`
- endnotes** Accumulates footnotes and places them at the end of the document.
Author: Bernard Gaulle; CTAN location: `macros/latex/contrib/other/misc`
- engwar** Font for typesetting Tolkien Engwar script, by Michael Urban.
fonts3 Author: unknown; CTAN location: `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: `macros/latex/required/tools`
- envbig** Printing addresses on envelopes.
latex3 Author: unknown; CTAN location: `macros/latex/contrib/other/envbig`
- envlab** Facilitates addressing envelopes or mailing labels. A \LaTeX 2 ϵ package for producing mailing envelopes and labels, including barcodes and address formatting according to the US Postal Service rules. Redefines the standard `\makelabels` command of the \LaTeX 2 ϵ letter documentclass.
latex3 Author: Boris Veytsman; CTAN location: `macros/latex/contrib/supported/envlab`
- epic** A package enhancing \LaTeX 's picture mode.
Author: Sunil Podar; CTAN location: `macros/latex/contrib/other/epic`
- epigraph** A 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.
latex3 Author: Peter Wilson; CTAN location: `macros/latex/contrib/supported/epigraph`
- eplain** 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.
formats2 Author: Karl Berry; CTAN location: `macros/eplain`
- epmtfe** \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 emTeX or another OS2 \TeX system.
Author: Walter Schmidt; CTAN location: `systems/os2/epmtfe`
- epsfig** Include Encapsulated PostScript in \LaTeX documents. Superseded by the \LaTeX 2 ϵ graphics package.
Author: Sebastian Rahtz; CTAN location: `macros/latex/required/graphics`
- epsfview** AppleScript tool (for Mac) for viewing figures generated with MetaPost.
Author: Javier Bezos; CTAN location: `systems/mac`
- epsfx** 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.
generic2 Author: BOP; CTAN location: `macros/generic/TeX-PS`
- epsincl** The package facilitates including EPS files in METAPOST documents; it makes use of (G)AWK.
Author: BOP; CTAN location: `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 2 ϵ documents. Includes explanations of Bounding Boxes, and more.
Author: Keith Reckdahl; CTAN location: `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 Raetz. 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** Typset 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. Alamnehe.
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).
fonts3 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.
latex3 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. Euler-VM 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 `\hslash` 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.
fonts3 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., `\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.
latex3 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/supported/eurofont`
- europs** Access to Adobe’s Euro currency symbol fonts. Provides access to Adobe’s Euro currency symbol fonts from L^AT_EX. The fonts are named using Karl Berry’s naming scheme, providing fd 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/europs`
- eurosans** Interface to Adobe’s free Euro fonts. Provides a convenient interface for using the free Adobe Type 1 PostScript Euro fonts. Loading the package defines a new command `\euro` which typesets a Euro symbol. The symbol is always taken from the ‘EuroSans’ family, with the weight (medium or boldface) and shape (normal or oblique) varying according to the font currently selected. This Euro symbol meets the official design and matches almost any font family very well, except for typewriter fonts. The fonts comply with the ‘Karl Berry’ scheme and do the same job as the europs fonts, although the TFM files differ slightly, probably because of different translation programs.
Author: Walter Schmidt; CTAN location: `fonts/eurosans`
- eurosym** The new European currency symbol for the “Euro” implemented in Metafont, using the official European Commission dimensions, and providing several shapes (normal, slanted, bold, outline). The package also includes a L^AT_EX style file which defines the macro, pre-compiled tfm files, and documentation.
Author: Henrik Theiling; CTAN location: `fonts/eurosym`
- euxm** Like EUSM but with two more characters needed for Concrete Math
fonts3 Author: Donald Knuth
- everysel** A L^AT_EX package which provides hooks into selectfont.
Author: Martin Schroeder; CTAN location: `macros/latex/contrib/supported/ms`
- everyshi** Introduces a new hook for taking action at every `\shipout`. Introduces a new hook for taking action at every `\shipout`.
Author: Martin Schroeder; CTAN location: `macros/latex/contrib/supported/ms`
- exam** Package for typesetting exam scripts.
latex3 Author: unknown; CTAN location: `macros/latex/contrib/supported/exam`
- examdesign** Package for typesetting exams.
latex3 Author: Jason Alexander; CTAN location: `macros/latex/contrib/supported/examdesign`
- exams** Exam questions can be multiple choice or free form long/short answer questions. Options include the typesetting of the exam itself, an exam showing all the answers and a collection of questions and answers. Questions can be parameterized. Use of a random number generator provides for automatic shuffling of multiple choice items.
Author: unknown; CTAN location: `macros/latex/contrib/supported/exams`
- excalibur** A spelling checker for the Macintosh that is also L^AT_EX aware.
Author: Rick Zaccone; CTAN location: `systems/mac/support/excalibur`
- exerquiz** Environments for defining exercises and quizzes. This package defines three new environments for defining exercises and quizzes. The solutions to the exercises are hyperlinked to the questions. The quizzes are graded and optionally corrected by JavaScript.
Author: D. P. Story; CTAN location: `macros/latex/contrib/supported/webeq`

- `expdlist` Expanded description environments. The expanded description environment provides additional features to the \LaTeX description environment. It supports changing the left margin. With `\listpart` 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`
- `expl3` 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/expl3`
- `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` Implements scaling of the ‘cmex’ fonts.
Author: Frank Mittelbach and Rainer Schöpf; CTAN location: `macros/latex/base`
- `extdash` Implements the commands `\Hyphdash`, `\Endash`, `\Emdash`, and their *-forms, to control hyphenation of compound words and ordinary words dashed by em-dash. You can also use the shortcuts `\-/`, `\=/`, `\--`, `\==`, `\---`, and `\===` instead.
Author: A. I. Rozhenko; CTAN location: `macros/latex/contrib/supported/ncctools`
- `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/other/extsizes`
- `fancybox` Provides variants of `\fbox`: `\shadowbox`, `\doublebox`, `\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 PSTricks code that is embedded in fancyhdr headers.
Author: Manuel Gutierrez Algaba; CTAN location: `support/fancyhdrBoxed`
- `fancyhdr` Extensive control of page headers and footers in $\LaTeX 2\epsilon$.
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. Rhebergen 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`
- feynmf** Macros and fonts for creating Feynman (and other) diagrams. Macros and fonts for creating
graphics3 Feynman (and other) diagrams.
 Author: Thorsten Ohl; CTAN location: `macros/latex/contrib/supported/feynmf`
- fihyph** Hyphenation patterns for Finnish language. This is modified from `fihyph.tex` to make the Finnish
 accented letters to work with $\LaTeX 2_{\epsilon}$, adding some `\catcode`, `\uccode`, and `\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 $\BIB\TeX$ style format for file/package descriptions.
 Author: unknown; CTAN location: `tools/filehdr`
- finbib** No description available.
bibtex3 Author: unknown
- finplain** 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 `\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/supported/carlisle`
- fixbbl** Patch bibliographies inappropriately broken by $\BIB\TeX$. This script deals with the well-known
 $\BIB\TeX$ bug whereby $\BIB\TeX P$ inserts a ‘%’ in a url to cause the bibliography line to fit into its
 minuscule vision of what is an acceptable input line for \TeX .
 Author: unknown; CTAN location: `biblio/bibtex/utills/fixbbl`
- fixfoot** Multiple use of the same footnote text Provides a `\DeclareFixedFootnote` command to provide
latex3 a single command for a frequently-used footnote. The package ensures that only one instance of the
 footnote text appears on each page. (\LaTeX needs to be run several times to achieve this.)
 Author: Robin Fairbairns; CTAN location: `macros/latex/contrib/supported/fixfoot`
- flabels** Labels for files and folders. Macros for typesetting pretty labels (optionally colored) for the back of
latex3 files or binders (currently only the special a4 “Leitz-Ordner” ring binder is supported).
 Author: Volker Boerchers; CTAN location: `macros/latex/contrib/supported/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 \LaTeX file into a single file, by explicitly including the files included by
`\include` and `\input` commands. Also, if $\BIB\TeX$ is being used, then includes the `bbl` file into the
 resulting file. Thus, creating a stand alone \LaTeX file that can be emailed to someone else.
 Author: Sarel Har-Peled; CTAN location: `support/flatex`
- flatten** A program to flatten a \LaTeX root file by copying `\input` and `\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
latex2 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 `\floatplacement{figure}{H}`.
 Author: Anselm Lingnau; CTAN location: `macros/latex/contrib/supported/float`
- floatfig** Allows text to be wrapped around figures.
latex3 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
latex3 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`
- fltpage** Defines new environments for placing captions of tables and figures on the facing/following page.
latex3 Author: Sebastian Gross; CTAN location: `macros/latex/contrib/supported/fltpage`

- fncychap** 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.
latex3 Author: Ulf Lindgren; CTAN location: `macros/latex/contrib/supported/fncychap`
- fnpara** Typeset footnotes in run-on paragraphs, instead of one above another.
 Author: Chris Rowley and Dominik Wujastyk; CTAN location: `macros/latex/contrib/other/misc`
- foihhtml** Provides integration between Foil \TeX and \LaTeX 2HTML, adding sectioning commands and elements of logical formatting to Foil \TeX and providing support for Foil \TeX commands in \LaTeX 2HTML.
latex3 Author: Boris Veytsman; CTAN location: `macros/latex/contrib/supported/foihhtml`
- foiltex** A \LaTeX 2 ϵ class for overhead transparencies. Can be used with fancybox to place a variety of borders around the slides.
latex3 Author: James Hafner; CTAN location: `macros/latex/contrib/supported/foiltex`
- font-selection** Font selection for plain \TeX . Font selection for plain \TeX , featuring: 21 sizes in the range 7 to 154 points; 16 typefaces, including Italic Bold, Calligraphic Bold, Sans Serif, Sans Serif Italic, and Sans Serif Bold; Boldmath, inclusive of subscripts, superscripts, and symbols; and a few other useful macros.
 Author: Harold de Wijn; CTAN location: `macros/plain/contrib/font_selection`
- fontinst** \TeX macros for converting Adobe Font Metric files to \TeX metric and virtual font format.
generic2 Author: unknown; CTAN location: `fonts/utilities/fontinst`
- fontname** Karl Berry's scheme for naming fonts in \TeX .
doc2 Author: unknown
- fontsmpl** Print a sample of a font.
 Author: Alan Jeffrey; CTAN location: `macros/latex/required/tools`
- footbib** A package to put bibliographic references as footnotes.
latex3 Author: Eric Domenjoud; CTAN location: `macros/latex/contrib/supported/footbib`
- footmisc** Footnotes with all the options. Captures as package options much (if not all) of the functionality of the various other footnote packages.
latex2 Author: Robin Fairbairns; CTAN location: `macros/latex/contrib/supported/footmisc`
- footnpag** Allows footnotes on individual pages to be numbered from 1, rather than being numbered sequentially through the document.
latex3 Author: Joachim Schrod; CTAN location: `macros/latex/contrib/supported/footnpag`
- formats** Prebuilt \TeX format and MetaFont base files.
texlive2 Author: unknown
- formlett** Letters to multiple recipients.
 Author: unknown; CTAN location: `macros/generic`
- formula** Support for physical symbols, ensuring the same shape in text and math mode, including some predefined physical units.
latex3 Author: Andreas Tille; CTAN location: `macros/latex/contrib/other/formula`
- fourproject** Analyse and display the structure of a \TeX document. A Windows32 program that analyses and displays the structure of a \TeX document, its chapters, sections, labels, references, captions, graphics, etc.
 Author: Erik Frambach; CTAN location: `support/4project`
- fourspell** Windows32 spell checker for \TeX , RTF, HTML, and Bib \TeX . A Windows32 spell-checker for (A) \TeX , RTF, HTML, Bib \TeX 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: `support/4spell`
- fourtex** A \TeX 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: `systems/win32/4tex`
- fp** Provides an extensive collection of arithmetic operations for fixed point real numbers of high precision.
latex3 Author: Michael Mehlich; CTAN location: `macros/latex/contrib/other/fp`
- fpdex** A \TeX 1.0 based distribution for MS-Windows. A distribution of \TeX for MS-Windows based on web2c and \TeX using InstallShield for installation.
 Author: Fabrice Popineau; CTAN location: `systems/win32/fpdex`

- frankenbundle support Develop and distribute groups of L^AT_EX packages and classes and B_IB_TE_X bibstyles. Frankenbundle allows an author to maintain and distribute a bundle of one or more L^AT_EX packages and classes and B_IB_TE_X 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`
- frankenstein latex3 A collection of L^AT_EX packages. Formerly known as monster (an obsolete, 8+3-compliant name), Frankenstein is a bundle of L^AT_EX packages serving various purposes and a B_IB_TE_X bibliography style. Descriptions are given under the individual packages: abbrevs, achicago package, achicago bibstyle, attrib, bits, blkcntrl, compsci, dialogue, drama, includex, lips, moredefs, newclude, slemph, titles.
Author: Matt Swift; CTAN location: `macros/latex/contrib/supported/frankenstein`
- freetype A free, full-featured TrueType rasterizer library.
Author: Werner Lemberg; CTAN location: `fonts/utilities/freetype`
- french lang2 Style for French typography: light version.
Author: Bernard Gaulle; CTAN location: `language/french`
- frhyph frhyph French hyphenation patterns.
Author: Daniel Flipo; CTAN location: `language/hyphenation`
- fribrief latex3 A L^AT_EX 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`
- ftetx A T_EX package for FTE (FTE = Folding Text Editor by Marko Macek). Adds a T_EX menu system for FTE. Changes syntax highlighting for FTE's T_EX-Mode. Runs T_EX, dvi-drivers, ispell, etc., from FTE. Calls L^AT_EX help files from FTE. It is preconfigured for emT_EX.
Author: Oliver John von Zydowitz; CTAN location: `systems/os2/ftetx`
- ftn ftn L^AT_EX document-style option to make footnotes available in any environment, except inside floats.
Author: Kresten Krab Thorup; CTAN location: `macros/latex209/contrib/misc`
- ftnright ftnright Footnotes in two column documents.
Author: Frank Mittelbach; CTAN location: `macros/latex/required/tools`
- fullblck latex3 Used with the letter documentclass to set the letter in a fullblock style (everything at the left margin).
Author: James H. Cloos Jr.; CTAN location: `macros/latex/contrib/supported/fullblck`
- fullpict latex3 Full page pictures.
Author: Bruce Shawyer; CTAN location: `macros/latex/contrib/supported/fullpict`
- fundus latex3 Providing L^AT_EX access to various font families.
Author: unknown; CTAN location: `macros/latex/contrib/other/gene/fundus`
- funnelweb funnelweb A 'Literate Programming' tool, which produces documentation for programs in T_EX or L^AT_EX.
Author: Tony Coates; CTAN location: `web/funnelAC`
- futhark fonts3 Fonts for the Older Futhark script.
Author: unknown; CTAN location: `fonts/futhark`
- g-brief latex3 A document class for L^AT_EX 2_ε. Serves for formatting formless letters in german or english language.
Author: Michael Lenzen; CTAN location: `macros/latex/contrib/supported/g-brief`
- galois latex3 Write Galois connections in two-ddimensional style.
Author: Patrick Cousot; CTAN location: `macros/latex/contrib/supported/galois`
- gb4e latex3 Government Binding styles.
Author: unknown; CTAN location: `macros/latex/contrib/supported/gb4e`
- genealogy fonts3 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 T_EXLive CDROM.
- generic3 Author: unknown
- gentl-gr Modern Greek translation of the Gentle Introduction to T_EX.
Author: Dimitrios Filippou; CTAN location: `help/greek/gentl-gr`
- gentle A Gentle Intorduction to T_EX.
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 `\usepackage[margin=2cm,nohead]{geometry}`. Options include columnsep and footnotesep, vtex, mag.
Author: Hideo Umeki; CTAN location: `macros/latex/contrib/supported/geometry`
- geomsty Provides: inclusion of PostScript figures, and of T_EX 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 (neue deutsche Rechtschreibung).
Author: Bernd Raichle; CTAN location: `language/german`
- germbib German variants of standard BIB_TE_X styles.
Author: Harald Harders; CTAN location: `biblio/bibtex/contrib/germbib`
- germdoc No description available.
Author: unknown
- getrefs A BIB_TE_X style file and a L^AT_EX document template to facilitate the retrieval of references from a library.
Author: Stefan A. Deutscher; CTAN location: `biblio/bibtex/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_TE_X 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_TE_X. A glossary package using BIB_TE_X with `\cite` replaced by `\gloss`.
Author: Jose Luis Diaz de Arriba and Javier Bezos; CTAN location: `macros/latex/contrib/supported/gloss`
- glostex Prepare glossaries in L^AT_EX. GlossTeX is a tool for the automatic preparation of glossaries, lists of acronyms and sorted lists in general for use with L^AT_EX and MakeIndex. GlossTeX combines the functionality of acronym and nomencl and provides some new features. Various binaries are available in the bin subdirectory.
Author: Volkan Yavuz; CTAN location: `support/glostex`
- gn-logic No description available.
Author: unknown
- gnhyph An experimental set of hyphenation patterns for the new German orthography (“neue deutsche Rechtschreibung”) 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 L^AT_EX format or as EPS (or in any of a dozen other formats).
Author: unknown; CTAN location: `graphics/gnuplot`

- go Fonts and macros for typesetting go games.
- fonts3** Author: Hanna Kolodziejska; CTAN location: **fonts/go**
- gothic Gothic and ornamental initial fonts by Yannis Haralambous.
- fonts3** Author: Walter Schmidt; CTAN location: **fonts/gothic**
- graphfig 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 L^AT_EX 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.
Author: Francesco Bosisio; CTAN location: **macros/latex/contrib/supported/bosisio**
- graphics The primary L^AT_EX 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.
latex1 Author: David Carlisle and Sebastian Rahtz; CTAN location: **macros/latex/required/graphics**
- graphicx Better support for graphics. Builds upon the graphics package. For documentation see grfguide.
Author: David Carlisle and Sebastian Rahtz; CTAN location: **macros/latex/required/graphics**
- graphpap For producing graph paper.
Author: David Carlisle and Sebastian Rahtz; CTAN location: **macros/latex/base**
- gray Fonts for gray scales.
Author: unknown; CTAN location: **fonts/cm/utilityfonts/gray**
- greek4cbc 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.
Author: Peter Wilson; CTAN location: **fonts/archaic/greek4cbc**
- greek6cbc A Greek font from the sixth century BC. This Greek font is typical of those used in the 6th century BC.
fonts3 Author: Peter Wilson; CTAN location: **fonts/archaic/greek6cbc**
- grfguide Guide to using graphics in L^AT_EX, including documentation on various packages including color and graphicx.
Author: David Carlisle; CTAN location: **macros/latex/required/graphics**
- grfpaste Include fragments of a dvi file. Provides an mechanism to include fragments of dvi files with the graphicx package: you can use `\includegraphics` to include dvi files. It requires the dvipaste program.
latex3 Author: David Carlisle; CTAN location: **macros/latex/contrib/supported/grfpaste**
- grnumalt 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.
latex3 Author: Apostolos Syropoulos; CTAN location: **macros/latex/contrib/other/grnumalt**
- grtimes 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.
lang3 Author: Apostolos Syropoulos; CTAN location: **language/greek/grtimes**
- gsftopk Primarily intended for use with xdvi and dvips this utility allows the use of PostScript fonts with xdvi.
Author: Paul Vojta; CTAN location: **fonts/utilities/gsftopk**
- gsview 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.
Author: Russell Lang; CTAN location: **support/ghostscript/rjl**
- gustlib Polish oriented macros. Various small utility packages for typesetting in plain T_EX, with a Polish perspective.
plain2 Author: unknown

- hands Pointing hand fonts.
fonts3 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/latex209/contrib/misc**
- hanging Hanging paragraphs. The hanging package facilitates the typesetting of hanging paragraphs. It also enables typesetting with hanging punctuation (this is probably best regarded as a curiosity).
latex3 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 L^AT_EX classes. Provides replacements for the default L^AT_EX classes, based upon the Koma-Script bundle and the seminar class. Includes hcart, hcreport, hcletter, and hslides.
 Author: Christian Siefkes; CTAN location: **macros/latex/contrib/supported/hc**
- hellas Typeset bibliographies which include Greek. A BIB_TE_X style for typesetting databases that containing both Greek and non-Greek bibliographic records.
 Author: Apostolos Syropoulos; CTAN location: **language/greek/cb/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**
- hhline Better horizontal lines in tabulars and arrays.
 Author: David Carlisle; CTAN location: **macros/latex/required/tools**
- hieroglf About 60 Egyptian Hieroglyphs.
 Author: Peter R Wilson; CTAN location: **fonts/archaic/hieroglf**
- hilowres A package to simplify the inclusion of low resolution versions of high resolution images, if each pair of 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.
latex3 Author: Johann Gerell; CTAN location: **macros/latex/contrib/supported/hilowres**
- histogr Drawing histograms with the L^AT_EX 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 L^AT_EX 2_ε.
 Author: Koaunghi Un; CTAN location: **language/korean/HLaTeX**
- hoekwater Converted mflgo font. Fonts originally created in MetaFont, transformed to PostScript by Taco Hoekwater; includes logo, manfnt, rfs, stmaryrd, wasy, wasy2, xipa.
fonts2 Author: Taco Hoekwater; CTAN location: **fonts/mflogo/ps-type1/hoekwater**
- html Various T_EX 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 Uncial manuscript book-hand. The huncial and allhuncel packages provide Metafont fonts based on the Half Uncial 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). Typeset 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 \LaTeX 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/oberdiek`
- hyper** Hypertext cross referencing. Redefines \LaTeX 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 \LaTeX . It is not a \LaTeX to HTML converter (see ltoh or latex2html for that).
Author: Otfried Schwarzkopf; CTAN location: `support/hyperlatex`
- hyperref** Extensive support for hypertext in \LaTeX . The hyperref package is used to handle cross-referencing commands in \LaTeX 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 dviwindo, for pdf[\TeX], for \TeX 4ht, and for V \TeX '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-alphabetic 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., cmtt) 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' GreeK \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`
- hyph1** 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.
fonts3 Author: unknown
- 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 \LaTeX ; the other for people willing to automatically install that last \LaTeX version under Textures.
Author: Bernard Gaulle; CTAN location: `systems/mac/textures/contrib/IdealFonts`
- ieeepes** 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 Author: Simon Pepping; CTAN location: `macros/latex/contrib/supported/ifacmtg`

- ifmslide** Presentation slides (from computer screen) and printouts. This package is used to produce printed slides with \LaTeX and online presentations with pdf \LaTeX . 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.
- fonts3** Author: Ingo Kloeckl; CTAN location: `fonts/ifsym`
- ifthen** Conditionals in \LaTeX 2 ϵ documents.
Author: \LaTeX Project Team; CTAN location: `macros/latex/base`
- imac** International Modal Analysis Conference format. A set of files for producing correctly formatted documents for the International Modal Analysis Conference.
latex3 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 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.
latex3 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 reimplementaion 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 BIB \TeX . It requires the use of the harvard and index packages and \LaTeX 2 ϵ .
latex3 Author: James Ashton; CTAN location: `macros/latex/contrib/supported/indxcite`
- info** Documentation in GNU info form.
- doc2** Author: unknown
- 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`
- inlinebib** Inlined `\cites`.
latex3 Author: Rene Seindal; CTAN location: `biblio/bibtex/contrib/inlinebib`
- inputenc** Control input encoding.
Author: \LaTeX Project Team; CTAN location: `macros/latex/base`
- insbox** A \TeX macro for inserting pictures/boxes into paragraphs.
generic3 Author: Michal Gulczyński; CTAN location: `macros/generic/insbox`
- ipa** No description available.
- latex3** Author: unknown
- isi2bibtex** Converter for ISI to BIB \TeX .
Author: John J. Lee; CTAN location: `biblio/bibtex/utis/isi2bibtex`

- 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`; `\numdate` switches to `dd.mm.yyyy`, `dd/mm/yyyy`, or `mm/dd/yyyy`; `\shortdate` switches to `dd.mm.yy`, `dd/mm/yy`, or `mm/dd/yy`; `\TeX` format `yyyy/mm/dd`; and `\origdate` switches to the original `LATEX` 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 `\printdatenumger{dd.mm.yyyy}`.
Author: Harald Harders; CTAN location: `macros/latex/contrib/supported/isodate`
- isorot** Rotation of document elements. The `isorot` package is for rotation of document elements. It is a combination of the `lscope` 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; CTAN location: `macros/latex/contrib/supported/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 `LATEX` 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; CTAN location: `macros/latex/contrib/supported/isostds`
- ithyph** Italian hyphenation.
Author: Claudio Beccari; CTAN location: `language/italian`
- izhitsa** Support for the old Russian font “Izhitsa”. Includes MetaFont code and `LATEX` style file.
Author: Oleg V. Motygin; CTAN location: `fonts/cyrillic/old_slavonic/izhitsa`
- jadetex** Macros to implement Jade DSSSL output Macro package on top of `LATEX` to typeset `TEX` output of **formats2** Jade DSSSL implementation.
Author: Sebastian Rahtz; CTAN location: `macros/jadetex`
- jas99** `m` `BIBTEX` style for American Meteorological Society (AMS).
Author: Ryo Furue; CTAN location: `biblio/bibtex/contrib/`
- javatex** A Java implementation of `TEX`.
Author: Tim Murphy; CTAN location: `systems/java/javatex`
- jeep** No description available.
Author: George Pearson; CTAN location: `macros/latex/contrib/jeep`
- jhep** JHEP style. A `LATEX` class file used to typeset manuscripts in JHEP style.
latex3 Author: F. Nesti
- jknappen** Miscellaneous packages by Joerg Knappen. Miscellaneous macros, mostly for making use of extra **latex2** fonts, by Joerg Knappen, including `sgmlcmpt`.
Author: Joerg Knappen; CTAN location: `macros/latex/contrib/supported/jknappen`
- jkthesis** Document class for formatting a thesis.
Author: Jochen Kuepper; CTAN location: `macros/latex/contrib/supported/jkthesis`
- jpeg2ps-os2** JPEG to PostScript converter for OS2. OS2 port of `jpeg2ps`.
Author: Rolf Niepraschk and Stefan A. Deutscher; CTAN location: `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 Niepraschk; CTAN location: `support/jpeg2ps`
- jqtl999** Journal of Quality Technology `BIBTEX` format. This is a derivative work of Oren Patashnik’s `apalike` `BIBTEX` style. It is a `BIBTEX` 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; CTAN location: `biblio/bibtex/contrib`
- jsmisc** Miscellaneous useful macros by Joachim Schrod.
plain3 Author: Joachim Schrod; CTAN location: `macros/plain/contrib/js-misc`
- jspell** An ASCII file spelling checker.
Author: Joohee Jeong; CTAN location: `support/jspell`

- `lastpage` Reference last page for Page N of M type footers. Reference the number of pages in your \LaTeX 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.
Author: Jeffrey Goldberg; CTAN location: `macros/latex/contrib/other/lastpage`
- `latex3`
- `lated` A graphical editor for drawings in the \LaTeX “picture” environment. It runs under MS-DOS and MS-Windows. The distribution includes full sources, including \LaTeX source for its documentation.
Author: Gene Ressler; CTAN location: `systems/msdos/lated`
- `latex` Macro package for \TeX (the most popular). \LaTeX 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.
Author: Leslie Lamport; CTAN location: `macros/latex`
- `latex2e` Documentation on $\LaTeX 2\epsilon$ in OS2 hypertext format and html.
Author: Rolf Niepraschk; CTAN location: `info/latex2e-help-texinfo`
- `latex2html` Convert \LaTeX into HTML documents. A Perl program that translates \LaTeX into HTML (HyperText Markup Language) creating separate HTML files corresponding to each unit (e.g., section) of the document.
Author: unknown; CTAN location: `support/latex2html`
- `latex2man` Translate \LaTeX -based manual pages into Unix man format. A tool to translate UNIX manual pages written with \LaTeX 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.
Author: Juergen Vollmer; CTAN location: `support/latex2man`
- `latex2rtf` Convert \LaTeX into Rich Text Format. Translates \LaTeX text into RTF (Rich Text Format as used by Microsoft Word).
Author: Fernando Dorner and Andreas Granzer; CTAN location: `support/latex2rtf`
- `latexcad` A CAD drawing package.
Author: John Leis; CTAN location: `obsolete/systems/msdos/latexcad`
- `latexdraw` X-Windows based and CAD orientated drawing program. An X-Windows based and CAD orientated drawing program which generates \LaTeX output using `latexdraw.sty`, based on `pstricks`. The picture may be generated as complete \LaTeX -source or as a picture-environment to be included in other documents. You must translate the dvi-file generated by \LaTeX to a postscript-file using `dvips` before you can view or print the document.
Author: Hans-Jurgen Siegert; CTAN location: `support/latexdraw`
- `latexfonts` No description available.
`latex1` Author: unknown
- `latexmk` Fully automated \LaTeX document generation routine. A utility written in Perl which deals with the task of running \LaTeX the appropriate number of times to ensure cross-references, etc., are completely defined. Also supports printing and viewing.
Author: Evan McLean and David J. Musliner; CTAN location: `support/latexmk`
- `latexn` Run \LaTeX as many times as needed. A csh script to run \LaTeX 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.
Author: John Collins; CTAN location: `support/latexn`
- LaTeX-WIDE Multifunctional editor for \LaTeX in MS-Windows.
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.
Author: Joerg Knappen, Mainz; CTAN location: `macros/latex/contrib/supported/jknappen`
- `layout` Produces an overview of the layout of the current document.
Author: Kent McPherson; CTAN location: `macros/latex/required/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.
`latex3` Author: Peter Wilson; CTAN location: `macros/latex/contrib/supported/layouts`

- leaflet** Create small, single page handouts. 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.
latex3 Author: Juergen Schlegelmilch; CTAN location: `macros/latex/contrib/supported/leaflet`
- leftidx** Left subscripts and superscripts in math mode. These subscripts and superscripts are automatically raised for better fitting to the symbol they belong to.
latex3 Author: Harald Harders; CTAN location: `macros/latex/contrib/other/leftidx`
- letter** The standard $\LaTeX 2_{\epsilon}$ letter document class.
 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.
latex3 Author: Daniel Flipo; CTAN location: `macros/latex/contrib/supported/lettrine`
- levy** Macros for using Silvio Levy's Greek fonts.
latex3 Author: unknown; CTAN location: `macros/latex/contrib/supported/levy`
- lexikon** Implements commands to generate a two-language dictionary.
latex3 Author: Axel Kielhorn; CTAN location: `macros/latex/contrib/other/lexikon`
- lgreek** Macros for using Silvio Levy's Greek fonts.
latex3 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, \LaTeX , 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).
fonts2 Author: Vladimir Volovich; CTAN location: `fonts/cyrillic/lh`
- lhcyr** A collection of three $\LaTeX 2_{\epsilon}$ styles intended for typesetting Russian and bilingual English-Russian documents: lhcyralt, lhcyrkoi, and lhcyrwin.
latex3 Author: Vadim V. Zhytnikov; CTAN location: `macros/latex/contrib/supported/lhcyr`
- lhhelp** Miscellaneous helper packages. This package defines macros which are useful for many documents. It is a large collection of simple "little helpers" which do not really warrant a separate package on their own. Included are, among other things, definitions of common units with preceding thinspaces, framed boxes where both width and height can be specified, starting new odd or even pages, draft markers, notes, conditional includes, including EPS files, and versions of enumerate and itemize which allow the horizontal and vertical spacing to be changed.
latex3 Author: Volker Kuhlmann; CTAN location: `macros/latex/contrib/supported/lhhelp`
- 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.
latex3 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`

- lineno** Line numbers on paragraphs. Adds line numbers to selected paragraphs with reference possible through the \LaTeX `\ref` and `\pageref` cross reference mechanism.
latex3 Author: Stephan Boettcher; CTAN location: `macros/latex/contrib/supported/lineno`
- linguex** Format linguist examples. A package to facilitate the formatting of linguist examples, automatically taking care of example numbering, indentations, indexed brackets, and the “*” in grammaticality judgments.
latex3 Author: Wolfgang Sternefeld; CTAN location: `macros/latex/contrib/supported/linguex`
- lintex** 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.
 Author: Maurizio Loreti; CTAN location: `support/lintex`
- lips** 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.
latex3 Author: Matt Swift; CTAN location: `macros/latex/contrib/supported/frankenstein`
- listbib** Lists contents of $\BIB\TeX$ files for archival purposes. Generates listings of bibliographic data bases in $\BIB\TeX$ format. This is meant for archival purposes. Included is a `listbib.bst` which is better suited for this purpose than the standard styles.
latex3 Author: Volker Kuhlmann; CTAN location: `macros/latex/contrib/supported/listbib`
- listing** 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 “bigcaptions” is used), so packages that change the layout of `\caption` still work.
 Author: Volker Kuhlmann; CTAN location: `macros/latex/contrib/other/misc`
- listings** 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.
latex3 Author: Carsten Heinz; CTAN location: `macros/latex/contrib/supported/listings`
- lkort** No description available.
doc3 Author: unknown
- localloc** Macros for localizing \TeX register allocations.
latex3 Author: unknown; CTAN location: `macros/latex/contrib/supported/localloc`
- logic** A MetaFont font for drawing logic diagrams.
fonts3 Author: unknown
- logo-ps** PostScript fonts for the logo font.
 Author: Taco Hoekwater; CTAN location: `fonts/cm/utilityfonts/logo/ps-type1/hoekwater`
- lollipop** A new generation format.
formats3 Author: Victor Eijkhout; CTAN location: `macros/lollipop`
- longtable** Support for tables longer than a page. Generally easier to use and more flexible than `supertabular`.
 Author: David Carlisle; CTAN location: `macros/latex/required/tools`
- losymbol** Defines a lot of symbol macros.
 Author: unknown; CTAN location: `macros/latex209/contrib/misc`
- lscape** 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`.
 Author: David Carlisle; CTAN location: `macros/latex/required/graphics`
- lshort-english** A (Not So) Short Introduction to $\LaTeX 2_{\epsilon}$.
doc2 Author: Tobias Oetiker; CTAN location: `info/lshort/english`
- lshort-finnish** Finnish version of A Short Introduction to $\LaTeX 2_{\epsilon}$ Finnish version of A Short Introduction to $\LaTeX 2_{\epsilon}$ with an emphasis on Finnish typesetting rules.
doc3 Author: Timo Hellgren; CTAN location: `info/lshort/finnish`
- lshort-french** French version of A Short Introduction to $\LaTeX 2_{\epsilon}$.
doc3 Author: Matthieu Herrb; CTAN location: `info/lshort/french`

- lshort-german German version of A Short Introduction to $\LaTeX 2_{\epsilon}$: $\LaTeX 2_{\epsilon}$ -Kurzbeschreibung.
 doc3 Author: Walter Schmidt; CTAN location: `info/lshort/german`
- lshort-italian Italian translation of the (Not So) Short Introduction to \LaTeX .
 doc3 Author: Giuseppe Bilotta; CTAN location: `info/lshort/italian`
- lshort-mongolian Mongolian version of A Short Introduction to $\LaTeX 2_{\epsilon}$.
 doc3 Author: Oliver Corff; CTAN location: `info/lshort/mongolian`
- lshort-polish Introduction to \LaTeX in Polish. This is the Polish translation of A Short Introduction to $\LaTeX 2_{\epsilon}$.
 doc3 Author: Janusz Goldasz, Ryszard Kubiak, Tomasz Przechlewski; CTAN location: `info/lshort/polish`
- lshort-portuguese Introduction to \LaTeX in Portuguese. This is the Portuguese translation of A Short Introduction to $\LaTeX 2_{\epsilon}$.
 doc3 Author: Lenimar N. Andrade; CTAN location: `info/lshort/portuguese`
- lshort-russian Russian version of A Short Introduction to $\LaTeX 2_{\epsilon}$.
 doc3 Author: unknown; CTAN location: `info/lshort/russian`
- lshort-spanish Spanish version of A Short Introduction to $\LaTeX 2_{\epsilon}$.
 doc3 Author: unknown; CTAN location: `info/lshort/spanish`
- ltablex Modifies the tabularx environment to combine the features of the tabularx package (auto-sized columns
 latex3 in a fixed width table) with those of the longtable package (multi-page tables).
 Author: unknown; CTAN location: `macros/latex/contrib/supported/ltablex`
- ltnews The latest \LaTeX news.
 Author: unknown; CTAN location: `macros/latex/doc`
- ltoh A converter from \LaTeX to HTML.
 Author: Russell Quong; CTAN location: `support/ltoh`
- litt Example code for “ \LaTeX Tips und Tricks” book. This is the code for the examples in the book
 doc3 “ \LaTeX Tips und Tricks”, dpunkt 2000, ISBN 3-932588-37-1. The code includes application examples as
 well as packages and class files developed in the book.
 Author: Ingo Kloeckl; CTAN location: `info/litt`
- ltx2rtf A conversion program from \LaTeX to Rich Text Format.
 texlive2 Author: Daniel Taupin; CTAN location: `support/ltx2rtf`
- ltx2x Replace \LaTeX commands in a document by user-defined strings. A program to replace \LaTeX
 commands by user-defined characters. Typical uses are for deTeXing and pretty-printing, or for replacing
 \LaTeX commands by SGML, HTML, and RTF tags, etc.
 Author: Peter Wilson; CTAN location: `support/ltx2x`
- ltxbase The core \LaTeX .
 latex1 Author: \LaTeX Project Team; CTAN location: `macros/latex/base`
- ltxdoc Class for documented $\LaTeX 2_{\epsilon}$ classes.
 doc2 Author: \LaTeX Project Team; CTAN location: `macros/latex/base`
- ltxinput An MSDOS utility which recursively searches a file for input (and include) statements, writing a list
 of files which are input to stdout and to a batch file which sets an environmental variable LTXINPUT
 to point to this filelist. The C source, MSDOS binary, documentation and test files are included in the
 distribution.
 Author: Jim Green; CTAN location: `support/ltxinput`
- ltxmisc Miscellaneous \LaTeX styles.
 latex2 Author: unknown; CTAN location: `macros/latex/contrib/other/misc`
- ltxsrc The core source files for $\LaTeX 2_{\epsilon}$.
 Author: \LaTeX Project Team; CTAN location: `macros/latex/base`
- ltxtable Longtable and tabularx merge.
 Author: David Carlisle; CTAN location: `macros/latex/contrib/supported/carlisle`
- lucida Package to make Lucida Bright fonts usable with \LaTeX .
 fonts2 Author: unknown; CTAN location: `fonts/lucida`

- 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 be changed for the generation of different virtual files for whatever font.
Author: Maurizio Loreti; CTAN location: `macros/latex/contrib/supported/lucold`
- lw35nfsx** L^AT_EX psnfss support for the 35 printer resident PostScript fonts using ly1 text font encoding, employing the Berry names. This is similar to the existing lw35nfs.zip support using T1/TS1, but much simpler (lw35nfsx.zip is about 150k bytes while lw35nfs.zip is about 800 kbytes). It includes needed additions to dvips’s psfonts.map, TFM metric files for T_EX, FD font definition files, and STY files for L^AT_EX.
Author: Berthold K. P. Horn; CTAN location: `fonts/psfonts`
- ly1** Support for LY1 L^AT_EX encoding, i.e. The Y&Y texnansi (T_EX ’n ANSI) encoding.
latex3 Author: unknown; CTAN location: `macros/latex/contrib/supported/psnfssx/ly1`
- m-pictex** Solves the ‘out of dimen’ problem that sometimes occurs when using PiCT_EX (especially together with L^AT_EX).
Author: Tobias Burnus; CTAN location: `macros/context/cont-tfm`
- macbibtex** BIB_TE_X for the Macintosh. A port of BIB_TE_X which is distributed with OzTeX 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 special 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.
latex3 Author: unknown; CTAN location: `macros/latex/contrib/supported/mailing`
- makecmds** The new `\makecommand` command always (re)defines a command. The package provides a `\makecommand` command, which is like `\(re)newcommand` except it always (re)defines a command. There is also `\makeenvironment` and `\provideenvironment` for environments.
latex3 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 more esoteric fonts. This is based on the script allcm.
Author: Volker Kuhlmann; CTAN location: `fonts/utilities/makefonts`
- makeglos** Include a glossary into a document. A L^AT_EX 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 L^AT_EX package for creating indexes.
Author: L^AT_EX 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 T_EX 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 L^AT_EX.
doc1 Author: Pehong Chen and Nelson H. F. Beebe; CTAN location: `indexing/makeindex`
- malayalam** Fonts for typesetting Malayalam, with a pre-processor.
lang3 Author: Jeroen Hellingman; CTAN location: `language/malayalam`
- malvern** A new sans-serif font family.
fonts3 Author: Damian Cugley; CTAN location: `fonts/malvern`
- manfnt** L^AT_EX support for the T_EX book symbols. A package for easy access to the symbols of the manfnt, such as Dangerous Bend and Man-errata Arrow.
latex3 Author: Axel Kielhorn; CTAN location: `macros/latex/contrib/supported/manfnt`

- manyfoot** Implements a command, `\newfootnote`, that adds footnote levels to the standard L^AT_EX's footnote mechanism. Footnotes of every additional level are automatically grouped together on a L^AT_EX 2_ε 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 L^AT_EX 2_ε documents. Two customisation styles are available now: the plain style is the ordinary L^AT_EX'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/ncctools`
- 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 Tinnfeld; CTAN location: `macros/latex/contrib/supported/margbib`
- marvosym-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`
- marvosym** A Type 1 font: Martin Vogels Symbole (marvosym) font. Martin Vogel's Symbol (marvosym) font
fonts3 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/boisio`
- mathcomp** A package which provides access to some interesting characters of the Text Companion fonts (TS1
latex2 encoding) in math mode.
Author: Tilmann Boess; CTAN location: `macros/latex/contrib/supported/mathcomp`
- mathematica** Virtual T_EX fonts that can be used with the PostScript fonts distributed with Mathematica 3.0. The
fonts3 archives use a TDS conforming directory structure. A style file for L^AT_EX 2_ε is included, that enables use of the fonts and the new symbols from L^AT_EX 2_ε.
Author: unknown; CTAN location: `fonts/psfonts/Mathematica3.0`
- 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/boisio`
- mathinst** A script to create proper math fonts for use by T_EX and L^AT_EX 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 T_EX.
Author: Alan Hoenig; CTAN location: `fonts/utilities/mathkit`

- mathpazo** Pazo Math fonts and L^AT_EX package to typeset Palatino. 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 L^AT_EX 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**
- mathpple** Use PostScript Palatino for typesetting maths. The package defines the PostScript font family ‘Palatino’ (ppl) as the default roman font and then uses the ‘mathpple’ 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/mathpple**
- mathptm** Extends the usage of the PostScript times fonts to the math environment.
Author: Sebastian Rahtz; CTAN location: **macros/latex/required/psnfss**
- mathrsfs** Maths rsfs (Ralph Smith’s Fancy Script) font support.
Author: Joerg Knappen; CTAN location: **macros/latex/contrib/supported/jknappen**
- mathspad** 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 L^AT_EX, T_EX, HTML, troff).
Author: unknown; CTAN location: **support/mathspad**
- mathspic** An MS-DOS filter program for use with PiCT_EX. MathsPIC parses a plain text input file and generates a plain text output-file containing PiCT_EX and T_EX commands, which can then be T_EX/L^AT_EXed in the usual way. It also outputs a comprehensive log-file. MathsPIC facilitates creating figures using PiCT_EX 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_EX.
Author: Dick Nickalls; CTAN location: **graphics/pictex/mathspic**
- mathtime** The Mathtime fonts have a number of characters remapped to positions different from the ones normally used by the corresponding T_EX CM-fonts. For the symbol font “operators” the corresponding mathtime style files use the Times Roman font (often called something like: ptmr or ptmr7t or ptmrq).
Author: Aloysius Helminck; CTAN location: **fonts/metrics/adobe/mathtime**
- matlabweb** 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 T_EX or L^AT_EX, the latter with help from the webfiles package.
Author: Mark Potse; CTAN location: **web/matlabweb**
- mcite** Support for collapsing multiple citations into one, as customary in physics journals.
latex3 Author: unknown; CTAN location: **macros/latex/contrib/supported/mcite**
- mdwtools** 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 L^AT_EX’s tabular and array environments, verbatim handling, and syntax diagrams.
latex3 Author: Mark Wooding; CTAN location: **macros/latex/contrib/supported/mdwtools**
- meta-mode** 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**
- metafp** 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.
metapost1 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.
latex3 Author: Thomas Leineweber; CTAN location: `macros/latex/contrib/supported/method`
- mex** A Polish format for \TeX . MeX is an adaptation of Plain \TeX and \LaTeX 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.
lang2 Author: B. Jackowski, M. Ryćko; 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.
fonts3 Author: B. Jackowski; CTAN location: `graphics/MF-PS`
- mf2pt3** Perl script to generate PostScript Type 3 fonts from MetaFont sources by processing MetaPost output.
 Author: Apostolos Syropoulos; CTAN location: `fonts/utilities/mf2pt3`
- mf2tex** A package of macros in \TeX and MetaFont which allows a user to easily add labels to MetaFont sources (text or mathematics). Normally you can only draw in MetaFont and all labels you must write into the \TeX source before (or after) inserting the picture. This package allows you to write \TeX labels straight into the MetaFont source and to generate corresponding \TeX source.
 Author: Robert Spalek; CTAN location: `graphics/mf2tex`
- 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.
latex3 Author: Sasha Berdnikov; CTAN location: `macros/latex/contrib/supported/mff`
- mflogo** \LaTeX support for MetaFont and logo fonts. \LaTeX package and font definition file to access the Knuthian ‘logo’ fonts described in ‘The MetaFontbook’ and the MetaFont and logos in \LaTeX documents.
latex1 (CTAN: `fonts/mflogo`).
 Author: Ulrik Vieth; CTAN location: `macros/latex/contrib/supported/mflogo`
- mfnfss** Font description files to use extra fonts like `yinit` and `ygoth`.
latex2 Author: unknown; CTAN location: `macros/latex/contrib/supported/mfnfss`
- mfpic** Macros which generate MetaFont code for drawing pictures.
graphics3 Author: unknown; CTAN location: `graphics/mfpic`
- mhequ** Multicolumn equations, tags, labels, sub-numbering. MHequ 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.
latex3 Author: unknown
- 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/supported/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 \LaTeX support. MiKTeX includes a ‘basic’ distribution which is a (useful) sub-set of the complete distribution removing `pdfTeX`, Computer Modern PostScript Fonts, AMSFonts, PostScript Fonts, MetaPost Texinfo, Makeinfo, and Web. The TEXMF tree is a subset of the standard `teTeX` TEXMF. A command-line utility, ‘`texify`’, simplifies the production of DVI (PDF) documents by automatically invoking \LaTeX (`pdf \LaTeX`), `Makeindex`, and `BIB \TeX` 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 L^AT_EX.
Author: George Gratze; CTAN location: **info/mil3**
- miniltx** Part of the plain T_EX graphics collection which allows the use of L^AT_EX's graphics, colour, and picture mode commands in plain T_EX 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**
- mirr** 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/latex209/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 L^AT_EX 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 MLT_EX, the multilingual T_EX extension from Michael J. Ferguson.
latex2 Author: Bernd Raichle; CTAN location: **macros/latex/contrib/supported/mltex**
- mmafm** 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/mmttools**
- 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/mmttools**
- mmttools** Multiple master fonts tools. Two tools for working with multiple master fonts: mmafm 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/mmttools**
- mnras** Styles for the Monthly Notices of the Royal Astronomical Society.
plain3 Author: unknown; CTAN location: **macros/latex209/contrib/mnras**
- modes** A collection of MetaFont mode_def's. 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 L^AT_EX 2_ε, for a large set of Monotype fonts.
fonts3 Author: unknown; CTAN location: **fonts/psfonts/monotype**
- montex** Mongolian L^AT_EX. MonTeX provides Mongolian support for L^AT_EX 2_ε (now Cyrillic, but soon also Classical Mongolian).
lang3 Author: Oliver Corff; CTAN location: **language/mongolian/montex**
- moredefs** L^AT_EX defining, expansion, and debugging commands. A L^AT_EX package providing numerous defining, expansion, and debugging commands for programming in L^AT_EX and writing L^AT_EX packages and classes.
latex3 Author: Matt Swift; CTAN location: **macros/latex/contrib/supported/frankenstein**

- morefloats** Increase the number of simultaneous L^AT_EX floats. L^AT_EX 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 L^AT_EX 2_ε 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 L^AT_EX books, although it cannot completely replace them. Only true L^AT_EX errors are included; T_EX errors are beyond the reach of ordinary macros.
latex3 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 `\HUGE` and `\small` for selecting font sizes are provided together with some options working around current L^AT_EX 2_ε 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.
latex3 Author: Christian Cornelissen; 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.
latex3 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.
fonts3 Author: unknown; CTAN location: `fonts/morse`
- mparhack** A workaround for the L^AT_EX bug in marginpars. Implements a workaround for the L^AT_EX bug that marginpars will sometimes come out at the wrong margin.
latex3 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.
metapost2 Author: Piotr Bolek; CTAN location: `graphics/metapost/macros/mpattern`
- mpfnmark** A package which provides the command `\mpfootnotemark`, which can be used in the same way as `\footnotemark`. The difference between these two macros is that within minipage environments the latter uses the standard footnote marker style (defined by `\thefootnote`), while the new command uses the minipage footnote marker style (defined by `\thempfootnote`).
latex3 Author: Wolfgang Kowarschick; CTAN location: `macros/latex/contrib/other/mpfnmark`
- ms** Various L^AT_EX packages by Martin Schröder.
latex3 Author: Martin Schröder; CTAN location: `macros/latex/contrib/supported/ms/contrib`
- mslapa** L^AT_EX and BibT_EX style files for a respectably close approximation to APA (American Psychological Association) citation and reference style.
latex3 Author: unknown; CTAN location: `macros/latex/contrib/supported/mslapa`
- mt11p** A package to use the MathTime and MathTimePLUS (“MathTime complete”) fonts in L^AT_EX 2_ε. 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 T_EX by Example by Arvind Borde.
plain3 Author: unknown; CTAN location: `macros/plain/contrib/mtbe`
- multenum** Multi-column enumerated lists.
latex3 Author: unknown; CTAN location: `macros/latex/contrib/supported/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.
latex3 Author: Thorsten Hansen; CTAN location: `macros/latex/contrib/supported/multibib`

- multicol 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 Generic \TeX .
Author: Timothy Van Zandt; CTAN location: `macros/generic/multido`
- multirow Creates tabular cells spanning multiple rows. Includes an option for specifying multirows with a `latex3` “natural” column width.
Author: Piet van Oostrum; CTAN location: `macros/latex/contrib/supported/multirow`
- multitoc Set table of contents in multiple columns. 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`
- musictex Typesetting music with \TeX .
`generic3` Author: unknown; CTAN location: `macros/musictex`
- musixtex Extended Music \TeX , with better slurs.
`generic3` Author: unknown; CTAN location: `macros/musixtex`
- muthesis Document classes for University of Manchester Department of Computer Science. Includes thesis and project report document classes from the University of Manchester’s Department of Computer Science.
`latex3` Author: Graham Gough; CTAN location: `macros/latex/contrib/supported/muthesis`
- mxedruli Georgian fonts including the xedruli Alphabet and the Xucuri-Alphabet.
Author: Johannes Heinecke; CTAN location: `fonts/georgian/mxedruli`
- mylatex My \LaTeX .
Author: David Carlisle; CTAN location: `macros/latex/contrib/supported/carlisle`
- myletter Another letter package.
Author: unknown; CTAN location: `macros/latex/contrib/supported/akletter/myletter`
- nassflow Drawing Nassi-Schneidermann diagrams.
`latex3` Author: unknown; CTAN location: `macros/latex/contrib/supported/nassflow`
- natbib Bibliography style with author-year and numbered references.
`bibtex2` Author: Patrick W. Daly; CTAN location: `macros/latex/contrib/supported/natbib`
- nccfoots Implements commands for generating footnotes marked by hands. For example, to mark a footnote by a star you can write `\Footnote*]{Footnote text}`.
Author: A. I. Rozhenko; CTAN location: `macros/latex/contrib/supported/ncctools`
- ncctools Various \LaTeX packages written and supported by Alexander Rozhenko.
`latex3` Author: Alexander Rozhenko; CTAN location: `macros/latex/contrib/supported/ncctools`
- needspace Insert pagebreak if not enough space. Provides a command to disable pagebreaking within a given vertical space. If there is not enough space between the command and the bottom of the page, a new page will be started.
Author: Peter R Wilson; CTAN location: `macros/latex/contrib/supported/misc`
- nestquot Alternate quotes between double and single with nesting. Provides two new commands: `\nlq` and `\nrq` for nesting left and right quotes that properly change between double and single quotes according to their nesting level, e.g. the input `\nlq Foo \nlq bar\nrq bletch\nrq` will be typeset as if it had been entered as “Foo ‘bar’ bletch”.
Author: Florian Hars; CTAN location: `macros/latex/contrib/other`
- newalg Format algorithms like Cormen, Leiserson and Rivest.
`latex3` Author: unknown; CTAN location: `macros/latex/contrib/supported/newalg`
- newclude New `\include` system for \LaTeX . New `\include` system for \LaTeX . A \LaTeX package providing a backwards-compatible reimplementation of `\include` and `\includeonly`. The restriction that `\clearpages` must surround an included file are removed, as is the restriction that `\includes` cannot be nested. An optional argument to `\include` is executed before the included file, whenever it is processed. This package is useful but may have problems and is unsupported. Newclude and `includex` are both attempts 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/supported/frankenstein/unsupported`

- newlrm** Write letters, facsimiles, 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/newlrm`
- newsletr** Macros for making newsletters.
plain3 Author: unknown; CTAN location: `macros/plain/contrib/newsletr`
- newthm** 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`
- newvbtm** 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`
- nomenc1** Produce lists of symbols as in nomenclature. Produces lists of symbols using the capabilities of the MakeIndex program.
latex3 Author: Bernd Schandl; CTAN location: `macros/latex/contrib/supported/nomenc1`
- 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.
latex3 Author: Kai Rasche; CTAN location: `macros/latex/contrib/supported/nonfloat`
- nopageno** No page numbers in L^AT_EX documents. L^AT_EX’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 BIB_TE_X style files.
Author: Dag Langmyhr; CTAN location: `biblio/bibtex/contrib/norbib`
- notoccite** Prevent erroneous numbering of cites when using BIB_TE_X/unsrt.
Author: Donald Arseneau; CTAN location: `macros/latex/contrib/other/misc`
- nrc** Format of the NRC Canadian Journal of Physics.
latex3 Author: Robin Fairbairns; CTAN location: `macros/latex/contrib/supported/nrc`
- 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 T_EX Users Group information.
doc3 Author: unknown
- ntgclass** Versions of the standard L^AT_EX article and report classes, rewritten to reflect a more European design, by the Dutch T_EX Users Group.
latex2 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 amsmath displayed-equation environments); and support for making a list of theorems like `\listoffigures`.
Author: Wolfgang Andreas Schlechte; CTAN location: `macros/latex/contrib/supported/ntheorem`
- numline** Macros for numbering lines.
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 L^AT_EX. A perl script to translate chemical formulae and reaction schemes into PostScript or L^AT_EX. Includes a L^AT_EX package to include the chemical reaction description in a L^AT_EX 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 `\thepage`. 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 T_EX.
Author: Jeroen Hellingman; CTAN location: `language/oriya`
- oryia Typesetting the Oriya script using T_EX.
Author: Jeroen Hellingman; CTAN location: `language/oriya`
- os2tex A distribution of T_EX for OS2 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 L^AT_EX commands over included graphics. The overpic environment is a cross between the L^AT_EX picture environment and the `\includegraphics` command of graphicx. The resulting picture environment has the same dimensions as the included eps graphic. L^AT_EX 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 L^AT_EX 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 `\cite` 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 T_EX for the Macintosh.
Author: Andrew Trevorrow; CTAN location: `systems/mac/oztex`
- paciosi Fonts designed by Fra Luca de Pacioli in 1497. The font is uppercase letters together with punctuation and some analphabetic; 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 T_EX documents.
Author: unknown; CTAN location: `graphics/pagedraw`
- pageno A L^AT_EX 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. It was inspired by Axel Sommerfeldt's rplain package.
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 `\parskip` and `\parindent` 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 JadeT_EX.
Author: Sebastian Rahtz; CTAN location: `macros/passivetex`
- patch Macros for package management.
Author: unknown
- path A L^AT_EX package to break long strings at convenient places. The strings might be directory paths, email addresses, URLs, etc.
Author: Philip Taylor; CTAN location: `macros/eplain`
- 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 LAMST \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 / \LaTeX 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.
latex2 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 wysiwyg 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.
latex2 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.
pdftex2 Author: unknown; CTAN location: `systems/pdftex`
- pdftex'oztex** Pdf \TeX designed to run with Oz \TeX .
 Author: Tom Kiffe; CTAN location: `systems/mac/pdftex`
- permute** Supportfor symmetric groups. A package for symmetric groups, allowing you to input, output, and calculate with them.
latex3 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).
fonts3 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 twocolumn 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.
latex3 Author: Volker Kuhlmann; CTAN location: `macros/latex/contrib/supported/photo`
- phppcf** A BIB \TeX style derived from apalike with author names in all caps.
 Author: unknown; CTAN location: `biblio/bibtex/contrib`
- physe** PHYSE format.
formats3 Author: unknown; CTAN location: `macros/physe`

phyzzx	A \TeX format for physicists.
formats3	Author: unknown; CTAN location: <code>macros/phyzzx</code>
picinpar	Insert pictures into paragraphs. (NOTE: Piet van Oostrum does not recommend this package. Picins is recommended instead.)
latex3	Author: unknown; CTAN location: <code>macros/latex209/contrib/picinpar</code>
picins	Insert pictures into paragraphs.
latex3	Author: unknown; CTAN location: <code>macros/latex209/contrib/picins</code>
pictex	Picture drawing macros for \TeX and \LaTeX .
graphics2	Author: unknown; CTAN location: <code>graphics/pictex</code>
pictex2	Adds relative coords and rules for dots in plots. Adds two user commands to standard $\Pi\text{CTE}\text{X}$.
graphics2	One command uses relative coordinates, thus eliminating the need to calculate the coordinate of every point manually as in standard $\Pi\text{CTE}\text{X}$. The other command modifies <code>\plot</code> to use a rule instead of dots if the line segment is horizontal or vertical.
	Author: William Park; CTAN location: <code>macros/latex/contrib/supported/pictex2</code>
piff	Macro tools by Mike Piff.
latex3	Author: Mike Piff; CTAN location: <code>macros/latex/contrib/supported/piff</code>
piq	MetaFont package for the Klingon language with okuda orthography.
	Author: Olaf Kummer; CTAN location: <code>fonts/okuda/modified</code>
pitthesis	Document class for University of Pittsburgh theses.
latex3	Author: Wonkoo Kim; CTAN location: <code>macros/latex/contrib/supported/pitthesis</code>
pkfind	The TDS standard specifies that <code>pk</code> and <code>gf</code> files contain <code>\special</code> strings to identify the contents of <code>pk</code> and <code>gf</code> files. <code>pkfind</code> is a variant of the GNU <code>find</code> utility modified to understand those specials, and to act on them in some cases. For example, it can be used to delete all <code>pk</code> files created by <code>gsftopk</code> from a subdirectory tree.
	Author: Paul Vojta; CTAN location: <code>systems/unix/pkfind</code>
pl-mf	Polish extension of Computer Modern fonts in MF sources. The Polish extension of Computer Modern fonts (compatible with CMs); to be used with Polish \TeX formats; actually, a part of <code>MeX</code> distribution.
fonts2	Author: B. Jackowski and M. Ryćko; CTAN location: <code>language/polish</code>
pl-qx	\LaTeX support for extra Polish fonts (<code>antyktor</code> , <code>qfonts</code>). \LaTeX support (<code>fd</code> , <code>sty</code> files) for extra Polish fonts (<code>antyktor</code> , <code>qfonts</code>).
fonts2	Author: Piotr Kłosowski; CTAN location: <code>fonts/psfonts/polish</code>
pl	Literate Programming for Prolog with \LaTeX .
latex3	Author: unknown; CTAN location: <code>macros/latex/contrib/other/gene/pl</code>
placeins	Control float placement. Defines a <code>\FloatBarrier</code> command, beyond which floats may not pass; useful, for example, to ensure all floats for a section appear before the next <code>\section</code> command.
	Author: Donald Arseneau; CTAN location: <code>macros/latex/contrib/other/misc</code>
plain	Make plain \TeX files \LaTeX able.
	Author: David Carlisle; CTAN location: <code>macros/latex/contrib/supported/carlisle</code>
plainmisc	Miscellaneous useful macros for plain \TeX .
plain2	Author: unknown; CTAN location: <code>macros/plain/contrib/misc</code>
plaintex	Basic Plain \TeX macros.
plain1	Author: Donald Knuth
plari	A document class for typesetting stageplay scripts.
latex3	Author: Antti-Juhani Kaijanaho; CTAN location: <code>macros/latex/contrib/supported/plari</code>
platex	Typeset Polish documents with \LaTeX and Polish fonts. Tools to typeset documents in Polish using $\LaTeX 2_\epsilon$ with Polish fonts (so-called PL fonts), or EC fonts, and CM fonts.
lang2	Author: M. Olko and M. Wolinski; CTAN location: <code>language/polish</code>
play	Typeset plays. A class and style file that supports the typesetting of plays, including options for line numbering.
latex3	Author: James Kilfiger; CTAN location: <code>macros/latex/contrib/supported/play</code>
plcalendar	Plain macros for making nice calendars.
plain3	Author: unknown; CTAN location: <code>macros/plain/contrib/calendar</code>

- plfonts** Polish extension to CM fonts. 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 .
generic3 Author: unknown
- plpatch** No description available.
plain3 Author: unknown
- plpsfont** Polish extension of Computer Modern fonts in Type1 format. 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.
fonts2 Author: J. Nowacki; CTAN location: `language/polish/plpsfont`
- pmcstex** \LaTeX in em \TeX 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 \LaTeX 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.
latex3 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.
generic3 Author: Janusz M. Nowacki; CTAN location: `macros/generic/TeX-PS/poligraf`
- polish-doc** General \TeX and \LaTeX documentation in Polish.
doc3 Author: many people
- polyglot** A package for $\LaTeX 2\epsilon$ multilingual support.
latex3 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 `enlvar` 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.
latex3 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 `pdf \LaTeX` . A postprocessor for PDF presentations created by `pdf \TeX` . 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.
latex2 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 $\LaTeX 2\epsilon$ label-reference mechanism allowing the "preformat" of all types of labels. This package is compatible with `hyperref` and other packages.
latex3 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 \TeX/\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.
latex3 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`
 protex 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 L^AT_EX 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 T_EX 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 T_EX box. The drawing is parameterised by the position and the size of the T_EX 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 fd-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 T_EX and L^AT_EX.
 Author: unknown; CTAN location: `fonts/psfonts`
 psfrag Allows L^AT_EX constructions (equations, picture environments, etc.) to be precisely superimposed over
graphics2 Encapsulated PostScript 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 L^AT_EX construction, properly aligned, scaled, and/or rotated.
 Author: Michael Grant; CTAN location: `macros/latex/contrib/supported/psfrag`
 psizzl A T_EX format from SLAC.
formats3 Author: Arthur Ogawa; CTAN location: `macros/psizzl`
 pslatex Use PostScript fonts by default. A small package that makes L^AT_EX default to ‘standard’ PostScript
latex2 fonts. It is basically a merger of the times and mathptm styles from the psnfss suite of packages. You must have installed standard L^AT_EX and the psnfss 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 L^AT_EX 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
latex1 PostScript fonts.
 Author: Walter Schmidt; CTAN location: **macros/latex/required/psnfss**
- psnfssx Extra styles and encodings for PS fonts, including Y&Y encoding support.
latex2 Author: unknown; CTAN location: **macros/latex/contrib/supported/psnfssx**
- pspicture PostScript picture support. Replacement for core L^AT_EX picture macros to use PostScript \special
latex2 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 -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**
- pssplit 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 tgif, FrameMaker mif, XFig's fig, pdf, gnuplot, MS-Windows wmf, CAD exchange
 format dxf, LightWave 3D lwo, RenderMan rib, Real3D rib, Java applet, and Idraw format.
 Author: Dr. Wolfgang Glunz; CTAN location: **support/pstoedit**
- psricks PostScript macros for T_EX. An extensive collection of PostScript macros that is compatible with
graphics2 most T_EX macro packages, including Plain T_EX, L^AT_EX, AMS-T_EX, and AMS-L^AT_EX. 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/psricks**
- psutils PostScript utilities. Utilities for manipulating PostScript documents, including page selection and
supplement3 rearrangement, resizing the page, arrangement into signatures for booklet printing, and page merging
 for n-up printing. Utilities include psbook, psselect, pstops, psnup, psresize, epsffit.
 Author: Angus Duggan; CTAN location: **support/psutils**
- ps`conv 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**
- ps`view A PostScript previewer of PostScript files. A PostScript preamble providing an interactive environ-
 ment 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
fonts3 Author: Donald Knuth; CTAN location: **fonts/punk**
- qbibman Graphical frontend to BibTool.
 Author: Ralf Goertz; CTAN location: **biblio/bibtex/utills/qbibman**
- qfig A DOS graphics program to generates output for PiCT_EX 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;
fonts2 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 T_EX, preserving usability in Windows applications.
 Author: B. Jackowski; CTAN location: **fonts/psfonts/polish/qfonts**
- qobitree L^AT_EX macros for typesetting trees.
graphics3 Author: unknown; CTAN location: **macros/latex/contrib/other/qobitree**
- qsymbols For defining systematic mnemonic abbreviations, starting with ' for math symbols and \" for arrows,
latex3 from the amssymb and stmaryrd packages.
 Author: unknown; CTAN location: **macros/latex/contrib/supported/qsymbols**

- quotchap** Decorative chapter headings. A package for creating decorative chapter headings with quotations, a PostScript output device and the psnffs package are needed, the color package and a greyscale output device are recommended.
Author: Karsten Tinnfeld; 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/boisio`
- qxcm fonts3** An experimental collection of extended CM fonts in PostScript Type 1 format An experimental collection of extended CM fonts in PostScript Type 1 format. The collection contains fonts based on cmr10, cmbx10, cmti10, and cmbxti10: qcmrr.pfb, qcmrri.pfb, qcmrb.pfb, qcmrbi.pfb (and .afm, .pfm, .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 T_EX 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`
- r-und-s latex3** This package decodes the german ‘R- und S-Sätze’, which are numerically coded security advice for chemical substances into plain text. This is, e.g., used to compose security sheets or lab protocols and especially useful for students of chemistry.
Author: Thiemo Nordenholz; CTAN location: `macros/latex/contrib/other/r_und_s`
- ragged** Ragged left and ragged right options. Provides any T_EX format (including L^AT_EX) 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 L^AT_EX 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 L^AT_EX package to draw syntax diagrams specified in EBNF.
Author: Klaus Georg Barthelmann; CTAN location: `support/rail`
- random** Generating “random” numbers in T_EX. Generates pseudo-random integers in the range 1 to 2³¹. 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 L^AT_EX 2_ε package providing emulation of L^AT_EX 2.09 documents which used low-level font commands such as `\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-T_EX) Russian texts by persons who do not have Russian printer fonts (but have Cyrillic T_EX). 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 latex3** Use RCS (revision control system) tags in L^AT_EX documents.
Author: unknown; CTAN location: `macros/latex/contrib/supported/rcs`
- rcsinfo latex3** Support for the revision control system. A package to extract RCS (Revision Control System) information and use it in a L^AT_EX document. For users of L^AT_EX2HTML rcsinfo.perl is included.
Author: Juergen Vollmer; CTAN location: `macros/latex/contrib/supported/rcsinfo`
- realcalc generic3** Macros for real arithmetic calculations.
Author: unknown; CTAN location: `macros/generic/realcalc`
- recipe** A L^AT_EX 2_ε class file to typeset recipes.
Author: Maurizio Moreti; CTAN location: `macros/latex/contrib/other/recipe`

- 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.
latex3 Author: Oleg Motygin; CTAN location: `macros/latex/contrib/supported/refcheck`
- references** Bibliographic software supporting L^AT_EX/BIB_TE_X. REFERENCES is bibliographic software supporting preparation of scientific manuscripts, storage of bibliographic data of articles in periodicals, books and articles in books. Supports the T_EX/L^AT_EX document preparation systems including the BIB_TE_X 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.
 Author: Volker Kiefel; CTAN location: `support/references`
- refman** Format technical reference manuals. A new document class for writing technical reference manuals. It offers a wide left margin for notes to the reader, like some of the manuals distributed by Adobe.
latex3 Author: Axel Kielhorn; CTAN location: `macros/latex/contrib/supported/refman`
- regcount** Display the allocation status of the T_EX registers. Adds a macro `\rgcount` which displays the allocation status of the T_EX registers. The display is written into the .log file as it is a bit verbose. An automatic call to `\rgcount` is done at `\begin{document}` and `\end{document}`.
latex3 Author: Jean-Pierre Drucbert; CTAN location: `macros/latex/contrib/supported/regcount`
- relenc** L^AT_EX package providing a relaxed font encoding to make available to a font designer more slots for insertion of ligatures and accented characters.
latex3 Author: Lars Hellström; CTAN location: `macros/latex/contrib/supported/relenc`
- relsize** Set the font size relative to the current font size.
latex2 Author: Matt Swift; CTAN location: `macros/latex/contrib/other/misc`
- remreset** Remove counters from reset list. `\@removefromreset` is a companion to the standard `\@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/carlisle`
- 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 L^AT_EX 2_ε.
latex2 Author: unknown; CTAN location: `macros/latex209/contrib/revtex`
- rlepsz** A macro package for use with epsf.tex which allows PostScript labels in an eps file to be replaced by T_EX labels.
generic3 Author: Colin Rourke; CTAN location: `macros/generic/rlepsz`
- rmligs** Remove incorrectly used ligatures from German L^AT_EX documents.
 Author: Bjoern Jacke; CTAN location: `support/rmligs`
- rmpage** A package to help change page layout parameters in L^AT_EX. It lets you change page layout parameters in small steps over a range of values using options. It can set `\textwidth` appropriately for the main font, 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.
latex3 Author: Rowland McDonnell; CTAN location: `macros/latex/contrib/supported/rmpage`
- romaniantex** L^AT_EX support for Romanian. A L^AT_EX 2_ε package for type-setting Romanian in a multi-lingual T_EX environment.
 Author: Adrian Rezus; CTAN location: `language/romanian/RomanianTeX`
- romaneg** Roman Neg.
 Author: unknown; CTAN location: `macros/latex/contrib/other/misc`

- romannum** Generate roman numerals instead of arabic digits. The romannum package changes L^AT_EX 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/romannum`
- rotating** A package built on the standard L^AT_EX 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** Rotate floats.
Author: unknown; CTAN location: `macros/latex/contrib/supported/rotfloat`
- rplain** Redefines the ‘plain’ pagestyle. The page numbers are now in the lower right corner.
Author: unknown; CTAN location: `macros/latex/contrib/supported/rplain`
- rsfs-ps** Converted (PostScript) outlines of the rsfs fonts.
Author: Taco Hoekwater; CTAN location: `fonts/rsfs/ps-type1/hoekwater`
- rsfs** 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 T_EX math symbol font.
Author: Ralph Smith; CTAN location: `fonts/rsfs`
- rtf2latex2e** Convert Rich Text Format (RTF) files to L^AT_EX 2_ε. Converts Rich Text Format (RTF) files to L^AT_EX 2_ε. 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** 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`
- ruler** A ruler for T_EX.
Author: Victor Eijkhout; CTAN location: `macros/generic`
- runic** Fonts for Anglo-Saxon futharc script. This font was used in England until just after printing was established.
Author: Peter Wilson; CTAN location: `fonts/archaic/runic`
- russian-help** L^AT_EX help in Russian.
Author: Yuri Lubenets; CTAN location: `info/win-help/latex/russian`
- s2latex** A scribe to L^AT_EX converter. The patchfile s2latex.patch provides a port to ANSI C and cleans up the Makefile.
Author: unknown; CTAN location: `support/s2latex`
- saferef** Provides a means of expressing ‘typed’ references (as it were) within a document.
Author: James Ashton; CTAN location: `macros/latex/contrib/supported/saferef`
- sanskrit** A font and pre-processor suitable for the production of documents written in Sanskrit.
Author: Charles Wikner; CTAN location: `language/sanskrit`
- sauter** Extensions to the CM fonts, providing a parameterization scheme to build fonts at true design sizes.
Author: unknown; CTAN location: `fonts/cm/sauter`
- sauterfonts** 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 sbbm 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** 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** 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`

- `scaleftnt` Rescale fonts to arbitrary sizes. `\scaleftnt{2}` selects the current font in twice the current size. `\scaleftnt{.75}` reduces the current font size by three quarters.
Author: David Carlisle; CTAN location: `macros/latex/contrib/supported/carlisle`
- `schedule` A package intended to automatically format weekly schedules using L^AT_EX's picture environment. It requires the packages `calc` and `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.
`latex3`
Author: Jason Alexander; CTAN location: `macros/latex/contrib/supported/schedule`
- `script` Variant report / book styles.
`latex3` Author: unknown; CTAN location: `macros/latex/contrib/other/script`
- `scrnger` Support for `ngerman` in `scrlettr` and `scrdate` in `koma-script`.
Author: Heiko Oberdiek; CTAN location: `macros/latex/contrib/supported/koma-script/contrib`
- `secdot` Section numbers with trailing dots. Makes the numbers of `\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: `macros/latex/contrib/other/misc`
- `section` Sections.
Author: Oliver Pretzel; CTAN location: `macros/latex/contrib/other/misc`
- `sectsty` Control sectional headers. A L^AT_EX 2_ε package to help change the style of any or all of L^AT_EX's sectional headers in the article, book, or report classes. Examples include the addition of rules above or below a section title.
`latex3`
Author: Rowland McDonnell; CTAN location: `macros/latex/contrib/supported/sectsty`
- `selectp`
Author: Donald Arseneau; CTAN location: `macros/latex/contrib/other/misc`
- `semantic` Eases the typesetting of notation of semantics and compilers. Includes T-diagrams, various derivation symbols and inference trees.
`latex3`
Author: Peter Møller Neergaard; CTAN location: `macros/latex/contrib/supported/semantic`
- `semaphor` Semaphore alphabet font in METAFONT.
`fonts3` Author: Vit Zyka; CTAN location: `fonts/semaphor`
- `seminar` Overhead slides. Produce overhead slides (transparencies) with bells and whistles.
`latex2` Author: Timothy Van Zandt; CTAN location: `macros/latex/contrib/other/seminar`
- `serial` Generate serial letters. The serial package provides a wrapper to the KOMA Script letter class `scrlettr` 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 `scrlettr.cls` from KOMA-Script and the following are recommended: `inputenc`, `textmerg`, `delimtxt`.
Author: Bjoern Pedersen; CTAN location: `macros/latex/contrib/supported/serial`
- `setspace` Set space between lines: e.g., double and one and a half spacing. Support for double, one-and-a-half, and other line spacings based on pt size.
`latex3`
Author: Geoffrey Tobin; CTAN location: `macros/latex/contrib/supported/setspace`
- `sf298` Standard form 298. A L^AT_EX 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.
`latex3`
Author: Steven Douglas Cochran; CTAN location: `macros/latex/contrib/supported/sf298`
- `sfg` Defines some commands to draw signal flow graphs as used by electrical and electronics engineers and graph theorists.
Author: Hanspeter Schmid; CTAN location: `macros/latex/contrib/supported/sfg`
- `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: `macros/latex/contrib/supported/sfheaders`
- `sgmlcmt` Support for L^AT_EX formulae as SGML PCDATA. Replacement control sequences for the characters `>`, `<`, and `&`. The replacements make it possible to enter L^AT_EX formulae as SGML PCDATA.
`latex2`
Author: Joerg Knappen; CTAN location: `macros/latex/contrib/supported/jknappen`
- `shadbox` A tool to shade the background of any box – text, figure, table etc. – using Plain (L^A)T_EX.
`latex3` Author: Dmitry A. Glazkov; CTAN location: `macros/latex/contrib/other/shadbox`

- shadethm Package that allows declarations of the form `\newshadetheorem{thm}{Theorem}` or `\newshadetheorem{}[]{}
 latex3 or \newshadetheorem{}-{}[]` to produce shaded boxes from the usual command `\begin{theorem} ...
 \end{theorem}`. The color package is required.
 Author: unknown; CTAN location: `macros/latex/contrib/supported/shadethm`
- shading A L^AT_EX Style file for putting text on a shaded background. Requires a PostScript printer and dvi-
 file converter.
 Author: unknown; CTAN location: `macros/latex209/contrib/shading`
- shadow Shadows.
 Author: Mauro Orlandini; CTAN location: `macros/latex209/contrib/misc`
- shapepar A macro to typeset paragraphs in specific shapes.
 Author: Donald Arseneau; CTAN location: `macros/latex/contrib/other/misc`
- shhyphl Serbo-Croat hyphenation written in the latin alphabet.
 Author: Dejan Muhamedagic; CTAN location: `language/hyphenation`
- shortlst Provides four environments for typesetting lists of short items which may be laid out horizontally as
 latex3 well.
 Author: Mogens Lemvig Hansen; CTAN location: `macros/latex/contrib/supported/shortlst`
- shorttoc Table of contents with different depths. A package to create another table of contents with a different
 latex3 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: `macros/latex/contrib/supported/shorttoc`
- showdim A package for L^AT_EX providing a number of commands for printing the value of a T_EX dimension. For
 latex3 example, `\tenthpt\baselineskip` yields the current value of `\baselineskip` rounded to the nearest
 tenth of a point.
 Author: Michael J Downes; CTAN location: `macros/latex/contrib/supported/showdim`
- showkeys Show label, ref, cite and bib keys.
 Author: David Carlisle; CTAN location: `macros/latex/required/tools`
- showlabels Show label commands in the margin.
 latex3 Author: Norman Gray; CTAN location: `macros/latex/contrib/supported/showlabels`
- siam Styles for SIAM publications.
 generic3 Author: unknown; CTAN location: `macros/latex/contrib/other/siam`
- sidecap Typeset captions sideways. Defines environments called SCfigure and SCtable (analogous to figure
 latex3 and table) to typeset captions sideways. Options include outercaption, innercaption, leftcaption and
 rightcaption.
 Author: Rolf Niepraschk and Hubert Gäblein; CTAN location: `macros/latex/contrib/supported/
 sidecap`
- siggraph Document class for formatting papers according to the specifications for submission to the annual ACM
 latex3 Siggraph conference.
 Author: unknown; CTAN location: `macros/latex/contrib/supported/siggraph`
- simplified-latex A Simplified Introduction to L^AT_EX.
 Author: Harvey Greenberg; CTAN location: `info/simplified-latex`
- simpsons MetaFont source for Simpsons characters.
 fonts3 Author: unknown; CTAN location: `usergrps/uktug/baskervi/4_4`
- sinhala Support for the sinhala language.
 Author: Vasantha Saparamadu; CTAN location: `language/sinhala`
- sirlin A set of files for typing the Tibetan language in T_EX or L^AT_EX.
 Author: Sam Sirlin; CTAN location: `language/tibetan/sirlin`
- siunits International System of Units. Typeset physical units following the rules of the International System
 latex3 of Units (SI).
 Author: Marcel Helderdoorn; CTAN location: `macros/latex/contrib/supported/SIunits`
- skak Typeset chess games. This package can be used to typeset chess games using PGN and show diagrams
 fonts3 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: `fonts/skak`

- slashbox Draw an oblique (slash) line in a ‘tabular’ column in \LaTeX .
latex3 Author: Toru Sato; CTAN location: `macros/latex/contrib/other/slashbox`
- slashed Put a slash through characters. Useful for the Physicist’s ‘Feynman slashed character’ notation.
 Author: David Carlisle; CTAN location: `macros/latex/contrib/supported/carlisle`
- slempth Slanted emphasis in \LaTeX . A \LaTeX package defining `\itswitch`, `\slswitch`, `\textitswitch`, and
latex3 `\textslswitch`, which switch between slanted or italic type and upright type. Can be used to represent emphasis with slanted type.
 Author: Matt Swift; CTAN location: `macros/latex/contrib/supported/frankenstein`
- slidenotes A class package for the easy production of a slide collection with annotations. Builds on the report style
latex3 (or variants).
 Author: unknown; CTAN location: `macros/latex/contrib/supported/slidenotes`
- slides This is a standard $\LaTeX 2\epsilon$ class for the production of overhead transparencies (foils), replacing the
 older $\text{Sl}\TeX$ format. Can be used in conjunction with `lscap` and `fancyhdr`, for example.
 Author: \LaTeX Project Team; CTAN location: `macros/latex/base`
- slovak Typeset Slovakian documents.
 Author: unknown; CTAN location: `macros/latex/required/babel`
- smallcap Support for all 4 shapes of small caps in DC1.3 where SC becomes a family, rather than a shape
latex3 (`\scshape` is replaced by `\scfamily`). Thus you can write `\bf\scfamily\slshape` to get small caps bold slanted.
 Author: taupin@lps.u-psud.fr; CTAN location: `macros/latex/contrib/other/smallcap`
- 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/jknappen`
- smartref Extend \LaTeX ’s `\ref` capability. Extend the capability of the the `\ref` command: whenever a label is
latex3 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 `\pageref`. Moreover, this package adds a command (`\s[name]ref`) for each counter added that displays something only if the value of the `[name]` counter is changed from when the label is set.
 Author: Giuseppe Bilotta; CTAN location: `macros/latex/contrib/other/smartref`
- smflatex Classes conforming to Société Mathématique de France. The Société Mathématique de France
latex3 provides a set of classes, packages and $\text{BIB}\TeX$ styles that are used in its publications. They are based on AMS classes (whose code is sometimes recopied) and are mainly “upward-compatible”. Their main features are: quite different design; new environments 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.
 Author: Antoine Chambert-Loir; CTAN location: `macros/latex/contrib/supported/smflatex`
- snapshot List the external dependencies of a \LaTeX document. The snapshot package helps the owner of a
latex3 \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/supported/snapshot`
- snviewer Scientific Notebook Viewer.
 Author: unknown; CTAN location: `systems/win32/snviewer`
- 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 `\Norm`, `\SemiNorm`, `\Scalar` and `\Crochet` commands which are also involved in the same context.
 Author: Francesco Bosisio; CTAN location: `macros/latex/contrib/supported/boisio`

- somedefs 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`
- songbook Package for typesetting song lyrics.
`latex3` Author: Christopher Rath; CTAN location: `macros/latex/contrib/supported/songbook`
- sorhyph Upper sorbian hyphenations patterns.
Author: Eduard Werner; CTAN location: `language/hyphenation`
- soul Hyphenation for letterspacing, underlining, and more. Provides hyphenatable spacing out (letterspacing), 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.
`latex3` Author: Melchior Franz; CTAN location: `macros/latex/contrib/supported/soul`
- spanish Various \TeX related files for typesetting documents written in Spanish, including hyphenation and dictionaries.
Author: Julio Sanchez; CTAN location: `language/spanish`
- spanishb 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`
- sphack Change `bsphack/espshack` so that it is invisible in vertical mode.
Author: Oliver Pretzel; CTAN location: `macros/latex/contrib/other/misc`
- sprite Macros to set bitmaps with \TeX .
`graphics3` Author: unknown; CTAN location: `graphics/bit2spr`
- ssquote \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.
`latex3` Author: Ulrik Vieth; CTAN location: `macros/latex/contrib/supported/ssquote`
- startex 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 \LaTeX .
`formats3` Author: Dag Langmyhr; CTAN location: `macros/startex`
- stdclsdv 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's class. It also provides a version of `\CheckCommand` that sets a flag rather than printing a warning.
`latex3` Author: Peter Wilson; CTAN location: `macros/latex/contrib/supported/stdclsdv`
- stmaryrd-ps St Mary Road symbols in PostScript. Converted (PostScript) outlines of the `stmaryrd` fonts.
Author: Taco Hoekwater; CTAN location: `fonts/stmaryrd/ps-type1/hoekwater`
- stmaryrd St Mary Road symbols for functional programming.
`fonts2` Author: Alan Jeffrey and Jeremy Gibbons; CTAN location: `fonts/stmaryrd`
- subeqn Package for subequation numbering.
`latex3` Author: unknown; CTAN location: `macros/latex/contrib/supported/subeqn`
- subeqnarray Equation array with sub numbering.
`latex3` Author: unknown; CTAN location: `macros/latex/contrib/supported/subeqnarray`
- subfigure Figures divided into subfigures. Provides support for the manipulation and reference of small or '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.
`latex3` Author: unknown; CTAN location: `macros/latex/contrib/supported/subfigure`
- subfloat 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.
`latex3` Author: Harald Harders; CTAN location: `macros/latex/contrib/supported/subfloat`

- subscript Provides the `textsubscript` command. Provides a command `\textsubscript`, which is copied from the command `\textsuperscript` that's part of \LaTeX .
Author: unknown; CTAN location: `macros/latex/contrib/other/fragments`
- substr Deal with substrings in strings. This package provides commands to deal with substrings in strings:
latex3 Determine if a string contains a substring, count appearances of a substring in a string.
Author: Harald Harders; CTAN location: `macros/latex/contrib/supported/substr`
- supertabular A multi-page tables package. Generally `longtable` is a little easier to use and more flexible.
latex3 Author: Johannes L. Braams; CTAN location: `macros/latex/contrib/supported/supertabular`
- svjour Springer-Verlag journal macros.
Author: Joerg Knappen; CTAN location: `macros/latex/contrib/supported/springer/svjour`
- swebib Swedish translation of standard \BIBTeX styles.
Author: Lars Engebretsen; CTAN location: `biblio/bibtex/contrib/swebib`
- swiftex Edit `doc.sty` and normal \LaTeX files with GNU Emacs. `docTeX` mode is for editing buffers containing self-documenting \LaTeX code that uses the `doc` package, including the `ltxdoc` document class. For these buffers, `docTeX` mode is significantly more useful than the alternatives provided by standard Emacs and `AUCTeX`. `swiftTeX` mode is for editing buffers containing normal \LaTeX files and provides an alternative to the \LaTeX modes in the standard Emacs distribution and the `AUCTeX` package.
Author: Matt Swift; CTAN location: `support/emacs-modes/swiftex`
- syngen A tool for generating syntax diagrams from BNF. A tool for generating syntax diagrams from BNF. The diagrams use the \LaTeX picture mode and can be included in any $\LaTeX 2\epsilon$ document.
Author: Jens Kloecker; CTAN location: `support/syngen`
- syntax Typeset syntax descriptions.
Author: Mark Wooding; CTAN location: `macros/latex/contrib/supported/mdwtools`
- syntax Creation of syntax-diagrams. Create syntax-diagrams using special environments and commands to represent the diagram structure. Includes documentation in german.
Author: Bernd Worsch; CTAN location: `macros/latex/contrib/other/syntax`
- syntonly Implements the `\syntonly` declaration used for running a document through \LaTeX without actually getting any output.
Author: \LaTeX Project Team; CTAN location: `macros/latex/base`
- syntree A package to typeset syntactic trees such as those used in Chomsky's Generative grammar, based on a description of the structure of the tree.
latex3 Author: Matijs van Zuijlen; CTAN location: `macros/latex/contrib/supported/syntree`
- t-angles Draw tangles, trees, Hopf algebra operations and other pictures. A $\LaTeX 2\epsilon$ style for drawing tangles, trees, Hopf algebra operations and other pictures. It is based on `emTeX` or `TPIC \special's`. Therefore, it can be used with the most popular drivers, including `emTeX` drivers, `dviwin`, `xdvi` and `dvips`.
latex3 Author: Volodymyr Lyubashenko; CTAN location: `macros/latex/contrib/supported/t-angles`
- tlutils Simple type-1 font manipulation programs. A collection of simple type-1 font manipulation programs. Together, they allow you to convert between PFA (ASCII) and PFB (binary) formats, disassemble PFA or PFB files into human-readable form, reassemble them into PFA or PFB format. Additionally you can extract font resources from a Macintosh font file (ATM/Laserwriter), or create a Macintosh Type 1 font file from a PFA or PFB font.
Author: Eddie Kohler and Lee Hetherington; CTAN location: `fonts/utilities/tlutils`
- t2 No description available.
lang3 Author: Vladimir Volovich; CTAN location: `macros/latex/contrib/supported/t2`
- tabbing Tabbing with accented letters. A package offering a variant of the `tabbing` environment which allows accented letters.
latex3 Author: Jean-Pierre Drucbert; CTAN location: `macros/latex/contrib/supported/Tabbing`
- tabls Better vertical spacing in tables and arrays (`tabular lineskip`).
Author: Donald Arseneau; CTAN location: `macros/latex/contrib/other/misc`
- tabularx Tabulars that widen automatically.
Author: David Carlisle; CTAN location: `macros/latex/required/tools`

- tap generic2** 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`
- taylor graphics3** Diagram macros by Paul Taylor.
Author: Paul Taylor; CTAN location: `macros/generic/diagrams/taylor`
- tbe plain3** Examples from Arvind Borde's \TeX by Example.
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** Author: unknown
- 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 fonts3** Font for typesetting Tolkien Tengwar script, by Michael Urban.
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/supported/bezos`
- tensor** 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/supported/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/supported/termcal`
- testmath** Examples of the AMS- \LaTeX package.
Author: American Mathematical Society; CTAN location: `macros/latex/required/amslatex/math`
- tetex doc1** 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 , e- \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: Thomas Esser; CTAN location: `systems/unix/teTeX`
- 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 generic2** \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 bibliographic 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^A)T_EX to HTML/XML. Convert (L^A)T_EX to HTML/XML. A converter from T_EX and **latex2** L^AT_EX to hypertext (HTML, XML, etc.), providing a configurable (L^A)T_EX-based authoring system for hypertext.
Author: Eitan Gurari; CTAN location: **support/TeX4ht**
- texdepend** Find dependencies in a L^AT_EX file. A Perl script for finding dependencies in a L^AT_EX file. The script reads a .tex file, and (recursively) all `\input` and `\include` files referenced therein to build dependencies from includes (both `\input` and `\include`), packages (as in `\usepackage`), and figures (using `\includegraphics`).
Author: Michael Friendly; CTAN location: **support/texdepend**
- texdoc** Documentation files for teTeX-texmf. T_EXdoc is a Perl/Tk-based frontend for easy access of package documentation for the T_EX typesetting system on Unix platforms; its database files `texdoc-100.dat` and `texdoc-102.dat` are based on teTeX 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**
- texdoctk** Easy access to package documentation. A Perl/Tk-based GUI for easy access to package documentation for T_EX on Unix platforms; the databases it uses are based on the `texmf/doc` subtrees of teTeX v.1.0.x, but database files for local configurations with modified/extended directories can be derived from them. Note that `texdoctk` is not a viewer itself, but an interface for finding documentation files and opening them with the appropriate viewer; so it relies on appropriate programs to be installed on the system. However, the choice of these programs can be configured by the sysadmin or user.
Author: Reinhard Zierke; CTAN location: **systems/unix/teTeX/1.0/contrib**
- texdraw** Graphical macros, using embedded PostScript.
Author: unknown; CTAN location: **graphics/texdraw**
- graphics3** **texed** A T_EX shell for OS2, FSS-TeXEdit provides an easy interface for L^AT_EX 2_ε, dvips, GhostScript and ispell.
Author: Frank Stippich; CTAN location: **systems/os2/texed**
- texemplar** A class for the journal of CervanTeX. CervanTeX is the Spanish T_EX User's Group.
Author: Javier Bezos; CTAN location: **macros/latex/contrib/other/TeXemplar**
- texinfo** Texinfo documentation system. Produces online or printed output from a single source.
plain2 Author: Free Software Foundation; CTAN location: **macros/texinfo**
- texip** Macros from T_EX 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 L^AT_EX 2_ε.
Author: John Forkosh; CTAN location: **support/texlist**
- texlive** A CD-ROM distribution of T_EX and friends. A CD-ROM distribution of T_EX, L^AT_EX, etc., with precompiled binaries for many systems, based on teTeX and MikTeX. The CD-ROM image is available (bzipped .iso file) for those who wish to burn their own CD.
texlive1 Author: Sebastian Rahtz; CTAN location: **systems/texlive**
- TeXmacs** Structured text editor for T_EX. T_EXmacs 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 T_EX. 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. T_EXmacs comes with a typed lisp extension language. Like emacs, this allows you for instance to redefine keyboard and menu actions. T_EXmacs 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 L^AT_EX and PostScript output from T_EXmacs. After compilation, the L^AT_EX output will resemble the PostScript output, although we guarantee no complete compatibility between T_EXmacs and T_EX. It is also possible to import "well written L^AT_EX documents." The present release includes an interface with ghostscript, which enables you to include PostScript (and some other formats) of images.
Author: Joris van der Hoeven; CTAN location: **systems/unix/TeXmacs**
- texmalli** A quick Finnish introduction to using L^AT_EX.
Author: Antti-Juhani Kaijanaho; CTAN location: **info/finnish/texmalli**

- TeXnicCenter** Integrated development environment for L^AT_EX on MS-Windows. T_EXnicCenter is an integrated development environment (IDE) for developing L^AT_EX documents on windows (Windows 95, 98, 2000, NT 4.0). Features include: Project orientated integrated development environment for L^AT_EX documents; Definition of unlimited “output types” (i.e. DVI, PostScript, PDF); Fully customizable editor; Structure View that shows the structure of the whole L^AT_EX document, even if it is split into several files using `\input` or `\include`; Simple insertion of L^AT_EX 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: `systems/win32/TeXnicCenter`
- texperf** A WordPerfect to L^AT_EX translator.
Author: John Forkosh; CTAN location: `support/texperf`
- texpict** Create drawings for L^AT_EX. A graphical program developed with Tcl-Tk (it must be installed on the system) for the creation of drawings for inclusion in L^AT_EX file as picture environments.
Author: Ramon Ribo; CTAN location: `graphics/texpict`
- texshade** Package for setting nucleotide and peptide alignments. T_EXshade is an alignment shading software completely written in T_EX/L^AT_EX which can process multiple sequence alignments in the .MSF and the .ALN file format. It provides in addition to common shading algorithms special shading modes featuring functional aspects, e.g. charge or hydrophathy, and a plenitude of commands for handling shading colors, text styles, labels, legends and even allows the user to define completely new shading modes. T_EXshade combines highest flexibility and the habitual T_EX output quality—with reasonable time expenditure.
Author: Eric Beitz; CTAN location: `macros/latex/contrib/supported/texshade`
- texshell32** A free T_EXShell 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 T_EX 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 dviwin only); Images can be opened directly from the texshell; It is small.
Author: Dirk Struve; CTAN location: `systems/win32/texshell132`
- texsis** A Plain T_EX macro package along the lines of L^AT_EX. T_EXsis is a Plain T_EX 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. T_EXsis was originally developed for physicists, but others may also find it useful. It is completely compatible with Plain T_EX.
Author: Eric Myers; CTAN location: `macros/texsis`
- texsk** Simple L^AT_EX drawing program for OS2 PM. Uses the picture environment.
Author: Tim Bahnes; CTAN location: `graphics/texsketch`
- text1** T_EX format from the University of Washington.
Author: unknown; CTAN location: `macros/text1`
- 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: `macros/latex/contrib/supported/carlisle`
- textcomp** Text Companion fonts. Supports the Text Companion fonts which provide many text symbols (such as baht, bullet, copyright, musicalnote, onequarter, section, and yen) in the TS1 encoding.
Author: unknown; CTAN location: `fonts/psfonts/ts1`
- textfit** Package to support fitting of text to a given width or height by scaling the font.
Author: unknown; CTAN location: `macros/latex/contrib/supported/textfit`
- textmerg** Merge text in T_EX and L^AT_EX. Useful, for example, in mail merge.
Author: Mike Piff; CTAN location: `macros/latex/contrib/supported/textmerg`

- texttoolspro** A small set of utilities for doing documentation in L^AT_EX 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 L^AT_EX-modified code, so you can write sections in a relative way; and `iarticle.cls`, a L^AT_EX class that allows up to 14 levels of nesting, needed for doing documentation.
Author: Manuel Gutierrez Algaba; CTAN location: `support/texttoolspro`
- textopo** Annotated membrane protein topology plots. A L^AT_EX package for setting shaded and annotated
latex3 membrane protein topology plots and helical wheels.
Author: Eric Beitz; CTAN location: `macros/latex/contrib/supported/textopo`
- textpos** Place boxes absolutely. A package to facilitate placement of boxes at absolute positions on the L^AT_EX
latex3 page, and useful for large-format conference posters, for example.
Author: Norman Gray; CTAN location: `macros/latex/contrib/supported/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
latex3 more flexible look. Supports options like `noindent`, `noitemization`, `headline`, `nocenter`, `crosshair`, and `chapterbib`.
Author: Wenzel Matiaske; CTAN location: `macros/latex/contrib/supported/thesis`
- threed** 3D animations. Create animations of 3-dimensional objects (such as polyhedra) in MetaPost.
metapost2 Author: Denis B. Roegel; CTAN location: `graphics/metapost/macros/3d`
- 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
latex3 manuals.
Author: Christian Holm; CTAN location: `macros/latex/contrib/other/thumb`
- thumbpdf** Thumbnails for pdf_TE_X and dvips/ps2pdf. Provides support, using Perl5, for thumbnails in pdf_TE_X
latex3 and dvips/ps2pdf, using ghostscript to generate the thumbnails which get represented in a T_EX readable file that is read by the package `thumbpdf.sty` to automatically include the thumbnails. Works with both plain T_EX and L^AT_EX.
Author: Heiko Oberdiek; CTAN location: `support/thumbpdf`
- ticket** Make labels, visiting-cards, pins with L^AT_EX. 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 `\ticketdefault`
and `\ticket`.
Author: Thomas Emmel; CTAN location: `macros/latex/contrib/supported/ticket`
- tiff** The tiff graphics package.
Author: unknown; CTAN location: `graphics/tiff`
- tiff2ps** A PostScript program for converting TIFF files to EPS. Supports compression (LZW, RLE, Flate)
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 `\now` to print the current time. Defines a macro `\now` to print the current time.
Author: Mike Piff; CTAN location: `macros/latex/contrib/supported/piff`
- timesht** Package for typesetting time sheets.
latex3 Author: unknown; CTAN location: `macros/latex/contrib/other/timesht`
- timing** Fonts and macro package for drawing timing diagrams.
latex3 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 \TeX boxes to preserve vertical structures in the source text; context-sensitive linebreaking—linebreaking is not done by \TeX , 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 Plugge; CTAN location: `support/tinyc2l`
- tipa** Fonts and macros for IPA phonetics characters.
Author: unknown; CTAN location: `fonts/tipa`
- 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 `fontein.pdf` is a translation to German of `tipos.pdf` kindly made by Thomas Ruedas.
Author: Javier Bezos; CTAN location: `info/spanish`
- titlefoot** Add special material to footer of title page. Provides the capability of adding keywords (with a `\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 captions just like `\ref` and `\pageref`.
Author: Donald Arseneau; CTAN location: `macros/latex/contrib/other/misc`
- titles** Titles of books, articles, etc., in \LaTeX . A \LaTeX 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`
- titlesec** 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`
- titletoc** 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`
- titling** 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 $\text{BIB}\TeX$ files. It supports browsing, editing, searching, and annotations.
Author: Peter Corke; CTAN location: `biblio/bibtex/utils/tkbibtex`
- tmmath** 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 SVGA displays. An SVGA-lib based DVI-previewer offering `xdvi`-like anti-aliasing, text-string searching, arbitrary-zooming, bookmarks, some hypertext 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 `stdclsdv` package.
latex3 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.
latex3 Author: Peter Wilson; CTAN location: `macros/latex/contrib/supported/tocvsec2`
- toil** 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 `afm2t1fm`; 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/toil`
- topcapt** Place captions above figures and tables. Defines a command `\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.
latex3 Author: Angelo Macchia; CTAN location: `latex/support/contrib/supported/topfloat`
- totpages** Access last page number and page mark of last page.
latex3 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.
latex3 Any chain of symbols (including spaces) in the current font may be treated.
 Author: Dmitry A. Glazkov; CTAN location: `macros/latex/contrib/other/tracking`
- trajan** 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 alphabetic characters; no lowercase or digits.
fonts3 Author: Peter Wilson; CTAN location: `fonts/trajan`
- trans** A simple \TeX macro package for PostScript transformations. Macros for easy transformations of PostScript objects, scaling, rotation, etc.
generic2 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.
latex3 Author: Peter van Rooose; 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.
plain3 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.
latex3 Author: Kai Rascher; CTAN location: `macros/latex/contrib/supported/trfsigns`
- True Type** How to use TrueType fonts with `teTeX`.
doc2 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 \TeX Shell by J. Schlegelmilch easier, especially if you have a lot of computers with different processors.
 Author: Dirk Nitschke; CTAN location: `support/TeXshell/tsconfig`
- ttf-tetex** Using TrueType fonts with `teTeX`. This document describes how to use TrueType fonts with `teTeX`. 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`
- `texlive1`
- `ttf2pt1` Converts True Type fonts into PS Type 1 fonts. Creates 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`
- `ttf2tfm` Extracts the metric and kerning information of a TrueType font and converts it into metric files usable by \TeX (quite similar to `afm2tfm` which is part of the `dvips` package).
 Author: Werner Lemberg; CTAN location: `fonts/utilities/ttf2pk`
- `ttftogf` Convert MS-Windows True Type fonts to GF format.
 Author: unknown; CTAN location: `support/ttftogf`
- `tth-rpm` \TeX to HTML translator packaged for RedHat Linux.
 Author: Michael Sanders; CTAN location: `support/tth/rpm`
- `tth-win` \TeX -to-HTML converter for MS-Windows32.
 Author: unknown; CTAN location: `systems/win32/miktex/util`
- `tth` A \TeX to HTML translator.
 Author: Ian Hutchinson; CTAN location: `support/tth/dist`
- `ttt` A Tibetan Transcript Transliterator for \LaTeX .
 Author: Beat Steiner; CTAN location: `language/tibetan/steiner`
- `tugboat-toc` The complete accumulation of *TUGboat* tables of contents.
 Author: Barbara Beeton; CTAN location: `digests/tugboat/t-of-c`
- `tugboat` \LaTeX macros for *TUGboat* articles.
`generic2` Author: unknown; CTAN location: `macros/latex/contrib/supported/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/supported/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.
`latex3` 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 Lemvig Hansen; CTAN location: `macros/latex/contrib/supported/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 URW fonts distributed with Ghostscript.
`fonts2` Author: unknown
- `type1cm` 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, PC \TeX , etc.) where \LaTeX restricts the cm fonts to discrete sizes.
`latex3` Author: David Carlisle; CTAN location: `macros/latex/contrib/supported/type1cm`
- `typearea` Set page margins.
 Author: unknown; CTAN location: `macros/latex209/contrib/script`
- `typehtml` 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/supported/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 L^AT_EX 2_ε 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.
latex3 Author: Marcel Oliver; CTAN location: `macros/latex/contrib/supported/uaclasses`
- ucthesis A modified version of the standard L^AT_EX report style that is accepted for use with University of California PhD dissertations and Masters theses.
latex3 Author: unknown; CTAN location: `macros/latex/contrib/supported/ucthesis`
- uhc-gothic Fonts for the Korean language. Support for Korean documents written in Korean standard KSC codes for L^AT_EX 2_ε.
 Author: Koanghi 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`
- ukrhyph Ukrainian hyphenation. This package allows the use of different hyphenation patterns for the Ukrainian language for various Cyrillic font encodings. Contains packages implementing traditional rules, modern rules, and combined English-Ukrainian hyphenation.
lang3 Author: Maksym Polyakov and Andrij Shvaika; CTAN location: `language/hyphenation/ukrhyph`
- 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`
- umrand Package for page frames.
fonts3 Author: unknown; CTAN location: `macros/latex/contrib/supported/niceframe`
- uncial Manuscript book-hand fonts. The uncial and alluncl 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 ulem which is a specific package for L^AT_EX.
latex3 Author: unknown; CTAN location: `macros/generic`
- underscore Make “” print as `\textunderscore` in text. Make “” 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 L^AT_EX with a package and font definition file.
fonts3 Author: Christian Holm; CTAN location: `fonts/uni`
- uniqleaf 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/uniqleaf`
- units Includes two packages for typesetting fractions and physical units.
latex3 Author: Axel Reichert; CTAN location: `macros/latex/contrib/supported/units`
- universa An implementation of Herbert Bayers ‘universal’ font, with L^AT_EX 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 $\LaTeX 2_{\epsilon}$, 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 $\LaTeX 2_{\epsilon}$.
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.
`latex3` 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 $\LaTeX 2_{\epsilon}$ 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.
`latex3` Author: Dinesh Das; CTAN location: `macros/latex/contrib/supported/utthesis`
- `uwthesis` University of Washington thesis style.
`latex3` 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/required/tools`
- `vdm` Typesetting VDM schemas.
`latex3` Author: unknown; CTAN location: `macros/latex/contrib/other/vdm`
- `vector` Macros for more convenient representation of vectors in $\LaTeX 2_{\epsilon}$, both symbolically and as implicit or explicit rows/columns of elements.
`latex3` Author: unknown; CTAN location: `macros/latex/contrib/supported/vector`
- `verbatim` The \LaTeX verbatim environment.
Author: Rainer Schoepf; CTAN location: `macros/latex/required/tools`
- `version` Conditionally include text.
Author: Stephen Bellantoni; CTAN location: `macros/latex/contrib/other/misc`
- `vertex` Styles for economics working papers and journals.
`plain3` Author: unknown; CTAN location: `macros/plain/contrib/vertex`
- `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/footer and page dimensions. Most common paper sizes, paper orientation, disabling of headers and footers, 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.
latex2 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 $\LaTeX 2\epsilon$ and plain \TeX files for VISCII encoding.
Author: Werner Lemberg; CTAN location: `fonts/vietnamese/vncmr`
- vpape** 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`
- vrblatex3** Verbatim macros via plain \TeX .
Author: unknown; CTAN location: `macros/generic/vrb`
- vrslatex3** Add version number to DVI file. Defines a command which produces a version number in the dvi-file when \LaTeX is run.
Author: Mats Dahlgren; CTAN location: `macros/latex/contrib/supported/vrslatex3`
- 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: Zhuhan Jiang; CTAN location: `macros/latex/contrib/other/misc`
- VTeX/Free latex3** \TeX system and PDF support for Linux and OS2. VTeX/Free is a \TeX program that generates PDF or PostScript output immediately from the \TeX source file. The distribution includes a complete working \LaTeX system. VTeX/Free is available for Linux and OS2.
Author: MicroPress; CTAN location: `systems/vtex`
- warpcol latex3** Defines a tabular column type for formatting numerical columns in \LaTeX . The column type enables 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.
Author: Taco Hoekwater; CTAN location: `fonts/wasy/ps-type1/hoekwater`
- wasy fonts2** The wasy fonts (Waldis symbol fonts). The wasy fonts (Waldis symbol fonts).
Author: unknown; CTAN location: `fonts/wasy`
- wasy2-ps** Converted (PostScript) outlines of the wasy fonts.
Author: Taco Hoekwater; CTAN location: `fonts/wasy2/ps-type1/hoekwater`
- wasy2** The wasy fonts (Waldis symbol fonts). The wasy fonts (Waldis symbol fonts).
Author: unknown; CTAN location: `fonts/wasy2`
- wasysym latex2** Extra characters from the Waldis symbol fonts. Makes some additional characters available that come from the wasy fonts (Waldis symbol fonts). These fonts are not automatically included in NFSS2/ $\LaTeX 2\epsilon$ 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, sqsubset, 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 L^AT_EX) 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.
Author: D. P. Story; CTAN location: **macros/latex/contrib/supported/webeq**
- web2c-win32** Web2c for MS-Windows32, including a complete collection of T_EX related executables.
Author: Fabrice Popineau; CTAN location: **systems/win32/web2c**
- web2c** The “standard” source C version of the T_EX system. Uses the GNU autconfig package to compile and install effortlessly. Simply ./configure; make; make install.
Author: Olaf Weber; CTAN location: **systems/web2c**
- webfiles** Include several CWEB and/or Spidery WEB documents in a single L^AT_EX.
Author: Mark Potse; CTAN location: **web/webfiles**
- webguide** Brief Guide to L^AT_EX 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 T_EX-System consisting of MiKTeX, WinEdt and GhostView.
Author: Studienrat Andreas Hirsch; CTAN location: **systems/win32**
- 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 T_EX, 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.
doc1 Author: Fabrice Popineau; CTAN location: **systems/win32/fptex**
- winedt** MS-Windows shell and editor for T_EX. 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 (L^AT_EX) Syntax Highlighting and Input/Output ASCII Code Translation Tables with a comprehensive context-sensitive Help.
Author: Aleksander Simonic; CTAN location: **systems/win32/winedt**
- winlatex** FrontEnd for T_EX, Win98/NT, needs Microsoft VisualBasic-DLLs.
Author: Thomas Reinhardt; CTAN location: **systems/win32/winlatex**
- winshell** A MS-Windows32 user interface for T_EX. It is not a T_EX-system—you need an additional T_EX package for DOS/MS-Windows (e.g., miktex and web2c-win32). For previewing documents you will need something like GhostScript or dviwin.
Author: Ingo de Boer; CTAN location: **systems/win32/winshell**
- 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-originals.
Author: Wolfgang Schuler; CTAN location: **support/wmf2eps**
- wnri** MetaFont fonts for Old English, Indic languages in transcription, and American Indian languages.
fonts3 Author: unknown; CTAN location: **fonts/wnri**
- wntamil** Tamil to T_EX 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 L^AT_EX.
Author: Duncan Simpson; CTAN location: **tools/word2x**

- wordcount** 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 dvityy 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 `wordcount.sh` contains more information in its comments.
Author: Michael J. Downes; CTAN location: `macros/latex/contrib/supported/wordcount`
- wp-conv** 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: `help/wp-conv`
- wp2latex** Convert WordPerfect documents to \LaTeX .
Author: Jaroslav Fojtik; CTAN location: `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: `macros/latex/contrib/other/misc`
- wsuipa** Style for using International Phonetic Alphabet fonts.
Author: Anshuman Pandey; CTAN location: `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: `support/wsuipa2tipa`
- wtex95** A flexible, 32-bit MS-Windows- \TeX -editor with Highlight-O-Matic syntax-highlighting.
Author: Michael Mucke; CTAN location: `systems/win32/wtex95`
- xarticle** A class that allows use of 7pt, 8pt and 9pt style options. Not fully compatible with `article` class though.
Author: unknown; CTAN location: `macros/latex209/contrib/xarticle`
- xcomment** Allows selected environments to be included/excluded.
Author: unknown; CTAN location: `macros/latex/contrib/other/seminar/src`
- xdvi** A dvi previewer for the X Window System.
Author: Paul Vojta; CTAN location: `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: `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: `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: `macros/xmltex/contrib/xml-catalogue`
- xmlplay** Typeset Shakespeare's plays as marked up by Bosak. This is an `xmltex` package for typesetting the plays of Shakespeare, as marked up by Jon Bosak. See <http://www.oasis-open.org/cover/bosakShakespeare200.html>.
Author: James Kilfiger; CTAN location: `macros/xmltex/contrib/xmlplay`
- 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: `macros/xmltex/base`
- xr** References to other \LaTeX documents.
Author: David Carlisle; CTAN location: `macros/latex/required/tools`

- `xspace` Define commands that don't eat spaces.
Author: David Carlisle; CTAN location: `macros/latex/required/tools`
- `xtab` 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`
- `xtcpts` Defining language-dependent text macros.
Author: unknown
- `xtem` 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 , previewing, etc. Written in Tcl/Tk.
Author: Guenther Lamprecht, Wolfhard Lotz and Roland Weibezahn; CTAN location: `support/xtem_texmenu`
- `xtrcode` Extract contents of \LaTeX environments.
Author: Thomas Ruedas; CTAN location: `support/xtrcode`
- `xymtex` Typesetting chemical structures.
Author: unknown; CTAN location: `macros/latex/contrib/other/xymtex`
- `xypic` 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 2 ϵ 'supported package'.
Author: Kristoffer H. Rose; CTAN location: `macros/generic/diagrams/xypic`
- `yafoot` Miscellaneous footnote commands. Contains three style files; `pfnote.sty` to enclose footnote numbers within a page; `fnpos.sty` to control the position of footnotes; `dblfnote` to make footnotes double-columned.
Author: Hiroshi Nakashima; CTAN location: `macros/latex/contrib/supported/yafoot`
- `yannisgr` Greek fonts by Yannis Haralambous.
Author: unknown; CTAN location: `fonts/greek/yannis`
- `yfonts` 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`
- `yhmth` Extended maths fonts for \LaTeX .
Author: Yannis Haralambous; CTAN location: `macros/latex/contrib/supported/yhmth`
- `yi4latex` 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`
- `yinit` A special font (`yinit`) is defined to be used for initial dropped capitals.
Author: unknown; CTAN location: `fonts/gothic/yinit`
- `youngtab` Typeset Young-Tableaux. 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`
- `yplan` Daily planner type calendar. Prints two six-monthly vertical-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`
- `ytex` Macro package developed at MIT.
Author: unknown; CTAN location: `macros/ytex`
- `zed-csp` Typesetting Z and CSP format specifications.
Author: unknown; CTAN location: `macros/latex/contrib/other/zed-csp`
- `zefonts` 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`