

```

%
\def\cm{\!cma\begingroup%
%
% The category codes are temporarily
% changed back to their original values.
%
\catcode'\(=12%
\catcode'\)=12%
\catcode'\*=12%
\catcode'\+=12%
\catcode'\-=12%
\catcode'\:=12%
\catcode'\;=12%
\catcode'\<=12%
\catcode'\>=12%
\catcode'\|=12%
\catcode'\/=12%
\catcode'\ "=12%
\catcode'\^M=5%
\catcode'\ =10%
\catcode'\!=12%
%
\def\bhinge{\!cmtbhinge}%
\def\ehinge{\!cmtehinge}%
%
\!cmb}%
%
% Now = is redefined. Had this been done
% earlier, then it would have affected
% the previous definitions, since many
% of them contain =.
%
\catcode'\==\active\!defequ%
%
\apebodyfont\!apebline%
%
}% end of definition of \apebegin
%
\gdef\apeend{\!apeeline\endgroup}%
%
\gdef\ap{\begingroup%
\def\apekeywordfont{\apkeywordfont}%
\def\apecommentfont{\apcommentfont}%
\def\apebodyfont{\apbodyfont}%
\def\apehspace{\aphspace}%
\def\apelmargin{Opt}%
\apebegin\!ap%
}%
%
% The reason for letting \!ap take over
% from \ap at this point is to make TeX
% scan the argument with the correct
% category codes.
%
}% This ends the environment in which the
% macros are defined.
%

```

L^AT_EX

Contents of Archive Server as of 16 January 1989

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Several changes to the L^AT_EX Archive have been made since the last TUGboat. It has been split into several different subarchives: L^AT_EX style files; T_EX style files; A_MS-T_EX style files; B_IB_TE_X style files; B_IB_TE_X 0.98 style files; T_EX programs. Also there are several new archives: A_MS-T_EX source; B_IB_TE_X source; CM fonts source; L^AT_EX source; T_EX documentation; T_EX inputs; T_EX source; T_EX tests; TUGboat files; T_EXhax digests; T_EXMaG digests; UK_TE_X digests.

As always, submissions are encouraged. If you do submit a file please include at the top of the file: your name; your email address; your real address; the date. Also please make certain that there are no lines in the file longer than 80 characters as some mailers will truncate them. Mail should be sent to

mrd@sun.soe.clarkson.edu
archive-management@sun.soe.clarkson.edu

For Internet users: How to ftp

An example session is shown at the bottom of the following page. Users should realize that ftp syntax varies from host to host. Your syntax may be different. The syntax presented here is that of Unix ftp. Comments are in parentheses. The exact example is for retrieving files from the L^AT_EX Archive; the syntax is similar for the other archives, only the directories differ. The directory for each archive is given in its description.

Non-Internet users: How to retrieve by mail

To retrieve files or help documentation, send mail to archive-server@sun.soe.clarkson.edu with the body of the mail message containing the command help or index or send. The send command must be followed by the name of the archive and then the files you want. Users who are not in the uucp maps database are strongly encourage to include a path command followed by a path from Clarkson to you in domain style format. If you don't include a path command, your mail may not get to you and will definitely be delayed as Michael will have to mail it by hand. You should realize that Clarkson does not have a uucp connection; therefore you must send it to an Internet or Bitnet

Contents of the CM Fonts

This contains the METAFONT files needed to build the CM fonts. It is a duplicate directory of `tex.cm` on Score. Files are located in `pub/cm-fonts` for ftp users. Mail users should request files from the `cm-fonts` archive.

Contents of the L^AT_EX Source

This contains the T_EX files needed to build L^AT_EX. It is a duplicate directory of `tex.latex` on Score. Files are located in `pub/lamport` for ftp users. Mail users should request files from the `lamport` archive.

Contents of the T_EX Documentation

This contains documentation on T_EX. It is a duplicate directory of `tex.doc` on Score. Files are located in `pub/tex-doc` for ftp users. Mail users should request files from the `tex-doc` archive.

Contents of the T_EX Inputs

This contains the T_EX files needed to build plain T_EX. It is a duplicate directory of `tex.inputs` on Score. Files are located in `pub/tex-inputs` for ftp users. Mail users should request files from the `tex-inputs` archive.

Contents of the T_EX Source

This contains the WEB files needed to build T_EX. It is a duplicate directory of `tex.web` on Score. Files are located in `pub/tex-source` for ftp users. Mail users should request files from the `tex-source` archive.

Contents of the T_EX Tests

This contains the files needed to test T_EX using the `triptest`. It is a duplicate directory of `tex.tests` on Score. Files are located in `pub/tex-tests` for ftp users. Mail users should request files from the `tex-tests` archive.

Contents of the TUGboat Files

This contains files related to TUGboat. It is a duplicate directory of `tex.tugboat` on Score. Files are located in `pub/tugboat` for ftp users. Mail users should request files from the `tugboat` archive.

Contents of the T_EXhax Digests

This contains all of the back issues of T_EXhax. Files are located in `pub/texhax` for ftp users. Mail users should request files from the `texhax` archive.

Contents of the T_EXMaG Digests

This contains all of the back issues of T_EXMaG. Files are located in `pub/tevmag` for ftp users. Mail users should request files from the `tevmag` archive.

Contents of the UKT_EX Digests

This contains all of the back issues of UKT_EX. Files are located in `pub/uktex` for ftp users. Mail users should request files from the `uktex` archive.

Contents of the L^AT_EX Style Collection

This contains files that are specific to L^AT_EX. Most of these are style files but some of them are programs. Some of the files support BIBT_EX style files that are in the BIBT_EX Collection or the BIBT_EX 0.98 Collection. Files are located in `pub/latex-style` for ftp users. Mail users should request files from the `latex-style` archive.

`a4.sty` Set page size to A4
`a4wide.sty` Set page size to A4 with narrow margins (needs `a4.sty`)
`a5.sty` Sets A5 page size (use only with 10pt)
`a5comb.sty` Sets A4 page style but for spirally-bound documents (bigger inner margins)(needs `a5.sty`)
`aaai-doc.tex` Style file for *AAAI conference 1988*
`aaai.sty` (BIBT_EX style in `bibtex-style` and `bibtex-style-0.98`)
`aip.sty` For American Institute of Physics journals
`agugrl-sample.tex`
`agugrl.sty` *AGU Geophysical Research Letters*
`agujgr-sample.tex`
`agujgr.sty` *AGU Journal of Geophysical Research*
`album.shar` For printing cassette labels
`allegno.sty` Makes all displayed equations numbered by default
`alltt.sty` Like `verbatim`, but permits other commands inside
`amssymbols.sty` Load the AMS fonts
`apalike.sty` *American Psychological Association* (BIBT_EX style in `bibtex-style`)
`bihead.sty` Underlined heading
`boxedminipage.sty` Puts a box round a minipage
`bsf.sty` Provide access to bold sans serif fonts in L^AT_EX
`captcont.sty` Needed by `lcustom.tex`. Creates a caption without updating any counters

- changebar.sty** Changebars for L^AT_EX
chapterbib.sty Allow L^AT_EX and B_IB_TE_X to produce separate bibliographies for each chapter
cyrillic.sty Load Cyrillic font
deprocldc.tex
deproc.sty *DEC Users Proceedings*
draft.sty Draft option for documents for *debugging*
drafthead.sty Prints **DRAFT** in heading
drop.sty For making large dropped initials for starting paragraphs
doublepace.sty Double spacing in text
eepic10.shar A picture environment that uses tpic specials
env.sty For printing on envelopes
epic1.shar Shar archive of an extended picture environment
epic2.shar
equations.sty Macros to to aid in constructing displayed equations in L^AT_EX
espo.sty For Esperanto
figplace.tex T_EX macros to handle floating insertion
fixup.sty Fix up plain's \bigl, etc. to track L^AT_EX size changes
flowchart.sty For writing flow charts
fnpara.sty Sets footnotes as paragraphs
format.sty Print FP numbers in fixed format
frontiers.sty For *Frontiers '88 Symposium* and other IEEE conferences
fullpage.sty Gives one inch margins
german.sty For German
greek1.shar Shar file to help Greek users of
greek2.shar L^AT_EX
headerfooter.sty Adds the capability of underlining the heading, ala the L^AT_EX manual
icassp.sty For the *ICASSP '89 Conference* and possibly other IEEE conferences
insertplot.readme
insertplot.sty Macros for inserting PostScript in files printed with Arbortext's DVIPS.
iso-doc.tex For use by those writing ISO standards
iso.sty
iso9.sty
- ist21.sty** IST21 document style option for cover page
jbs.sty For *The Journal of Business Strategies*
layout.readme
layout.tex Prints nice diagram showing page parameters of L^AT_EX
lcustom.tex Useful macros and definitions for L^AT_EX
local-suppl.tex Supplement to local guide that describes lcustom.tex, sfwmac.sty, tgrind.sty, trademarks.sty xxxcustom.tex, xxxslides.sty
lfonts_ams.readme
lfonts_ams.tex Use AMS symbols in L^AT_EX
manual.readme
manual.sty Like "book" but for manuals. You should read the documentation for
man10.sty "book" to learn how to use this
man11.sty style file
man12.sty
memo.sty Memo and "memo for the record"
mfr.sty style option
merge.sty Form letter option to L^AT_EX letter style
mitthesis-sample.tex
mitthesis.sty Massachusetts Institute of Technology thesis format
multibox.sty Provides multiple boxes in pictures
natsci.sty Natural sciences (B_IB_TE_X file in bibtex-style-0.98)
nl.sty For Dutch
nofm.sty For "n of m" style pagination
nopagenumbers.sty Remove page numbers
pslatex.shar Use printer resident PostScript fonts. Requires dvi2ps that understands PostScript fonts.
remark.sty Like newtheorem but no \it
resume-sample.tex
resume.sty A format for doing resumes
romanneg.sty Roman-numbered pages get negative page numbers (useful when selecting only part of a document to be printed)
rotate.sty Rotation of T_EX output with *Textures* (and maybe other PostScript drivers)
sc21-wg1.sty ISO/TC97/SC21 document style
sc21.sty option for cover page
schedule.sty Style for generating schedule sheets
screen.sty Helps create a document suitable for screen previewing

semitic.sty Used to set Semitic languages
sfwmac.sty Useful macros for Unix documentation
showlabels.sty Shows labels and references to them
slm.sty Change `\sl` to `\em`
siam10.sty Document style for SIAM
siam11.sty (Society for Industrial and Applied
siam12.sty Mathematics). (BIBTEX style in
siam.sty bibtex-style)
siam.tex
siam.bib
spacecites.sty Put spacing between citations
subeqn.sty Allows related equations to be numbered with the same number but further qualified by a,b,c etc.
subeqnarray.sty Allows related eqnarrays to be numbered with the same number but further qualified by a,b,c etc.
subfigure.sty Allows related figures to be numbered with the same number but further qualified by a,b,c etc.
supertab.sty Allows multipage tabulars
suthesis.sty Stanford University thesis style
svma-doc.tex Style for Springer-Verlag reports.
svma.sty svma is for multiple authors; svsa
svsa.sty is for single author
tables-doc.tex
tables.sty Ruled and unruled tables made easy
texnames.sty Define a couple more L^AT_EX names
tgrind.sty Tgrind macros for L^AT_EX instead of T_EX
threepart.sty Three part page headers
trademarks.sty Definitions of common trademarks
twoup.sty Change the page sizes so that two pages can fit onto one page with the help of dvidvi
ucthesis.readme
ucthesis.sty A document style for the
uct10.sty University of California thesis with
uct11.sty documentation and support files.
uct12.sty
ukdate.sty Changes the `\today` command to UK format
vdm-doc.tex Vienna Development Method
vdm.sty

xxxcustom.tex Supplementary macros for
xxx-tex, for some xxx
xxxslides.sty Supplementary macros for L^AT_EX,
includes slides.sty

Contents of the T_EX Collection

This contains style files for plain T_EX. Files are located in `pub/tex-style` for ftp users. Mail users should request files from the `tex-style` archive.

celluar.tex Macros to allow for both vertical
celluar.doc and horizontal spans within a ruled
cell1.tex table and take steps to prevent
cell2.tex "nubs" and "gaps" when rules are
cell3.tex used
cell4.tex
dayofweek.tex Macros to compute day of week
and phases of the moon. Examples
of how to use T_EX arithmetic
capabilities
deprocdoc.tex
deproc.tex *DEC Users Proceedings*
epigram.tex Print text either centered or in a
displayed paragraph
fnpara.tex Sets footnotes as paragrahs
hyphen-nederlands.tex
A dutch hyphen.tex
texinfo.tex T_EX macros to handle Gnu texinfo
files
select.tex Selectively print pages in a T_EX
document

Contents of the A_MS-T_EX Collection

This contains style files specific to A_MS-T_EX users. Files are located in `pub/amstex-style` for ftp users. Mail users should request files from the `amstex-style` archive.

amstexsiam-sample.tex
amstexsiam-doc.tex
amstexsiam.sty For SIAM (Society for Industrial
and Applied Mathematics)
imappt-sample.tex
imappt.sty For reports and preprints on 8.5
imappt-doc.tex by 11 inch paper

Contents of the BIBTEX Collection

This contains files that are specific to version 0.99 of BIBTEX. Many of these files are to be used with files in the L^AT_EX Collection. Files are located in `pub/bibtex-style` for ftp users. Mail users should request files from the `bibtex-style` archive.

<code>acm.bst</code>	Association for Computing Machinery	<code>rscsencode.shar</code>	Programs to encode and decode files with rscs
<code>aaai-named.bst</code>	AAAI conference	<code>uencode.shar</code>	Programs to encode and decode files
<code>apalike.bst</code>	American Psychological Association (L ^A T _E X style file in <code>latex-style</code>)	<code>texindex.shar</code>	Style file and processor for index entries for VMS
<code>cpp.el</code>	A C preprocessor written for GnuEmacs for use in generating B _I B _T E _X style files from a master file	<code>wsltex.shar</code>	Wordstar to L ^A T _E X filter, C and Pascal versions
<code>ieeetr.bst</code>	IEEE Transactions		
<code>makebst.sh</code>	A shell script to make bibtex style files from a master bst file		
<code>physics.btx</code>	Various physics journals; must be run through <code>cpp.el</code> or <code>makebst.sh</code>		
<code>siam.bst</code>	SIAM (L ^A T _E X style in <code>latex-style</code>)		

Contents of the B_IB_TE_X 0.98 Collection

This contains files that are specific to version 0.98 of B_IB_TE_X. Many of these files are to be used with files in the L^AT_EX Collection. Files are located in `pub/bibtex-style-0.98` for ftp users. Mail users should request files from the `bibtex-style-0.98` archive.

<code>aaai-named.bst</code>	AAAI conference 1988 (L ^A T _E X style file in <code>latex-style</code>)
<code>btxbst.readme</code>	
<code>btxbst.doc</code>	A master file for B _I B _T E _X styles with standard styles and some new ones
<code>natsci.bst</code>	Generic natural sciences (L ^A T _E X style file in <code>latex-style</code>)
<code>newalpha.bst</code>	Modified alphabetic

Contents of the T_EX Programs

This contains programs that are of general interest to T_EX users in general. Files are located in `pub/tex-programs` for ftp users. Mail users should request files from the `tex-programs` archive.

<code>docsty.shar</code>	Program to convert <code>.doc</code> to <code>.sty</code> by stripping comments
<code>dvidoc1.shar</code>	DVI to character device filter for
<code>dvidoc2.shar</code>	Unix BSD systems
<code>dvidvi.shar</code>	Program to select pages from dvi files or print multiple pages on a single page
<code>fig2epic1c.shar</code>	Converts fig code to epic or eepic files
<code>lgraph.shar</code>	Data to graph command filter in Pascal
<code>pcwritex.uue</code>	PC-Write to T _E X interface that has been uencoded