LATEX

Contents of LaTeX Style Collection as of 24 September 1988

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The LaTeX style collection has been moved. It now resides at `sun.soe.clarkson.edu`. The collection will now be maintained by Michael DeCorte, a Clarkson University computer science student. As always, submissions are encouraged. Mail should be sent to

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

A few changes have been made in the collection that should be noted. First, the names of the files that users should access are `Index`, `Description` and `Readme`. Their contents are described below. Also, if a `.doc` file exists it will be renamed to `.sty` and the original `.sty` will be removed. This change does not affect the style file's use. If you must squeeze the last bit of performance out of your machine, get `docsty.shar`.

For Internet users: how to ftp

An example session is shown below. 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.

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 `latex-style` 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. 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 host that does have a uucp connection. For example, `host!user@uunet.uu.net` should send:

```
To: archive-server@clarkson.edu
Subject:
path host!user@uunet.uu.net
send latex-style Readme Index
send latex-style resume.sty
```

Traffic on the network servers and gateways has been very high recently, and in order to provide improved service, there have been some volunteers to maintain local "slave" repositories of the LaTeX style collection. There is usually a geographic or network restriction requested, since the idea is to cut down traffic, not add to it. The following areas will be covered by the volunteers listed.

- Bitnet users: Texas A&M maintains a list- and file-server which is already handling (with TEX-L) much of the Bitnet distribution of TeXhax. An inquiry via listserv will retrieve a list of all TeX-related files:
  ```
  tell listserv at tamvm1 get tex
  filelist
  ```

- UK users: A comprehensive repository of TeX-related material is maintained at Aston University. An article by Peter Abbott in this issue (page 263) gives general instructions for accessing the archive.

Additional volunteers should contact Michael.

Distribution for IBM PC and clone users

There are two sources.

- David W. Hopper

Sample ftp session for Internet users

```
% ftp sun.soe.clarkson.edu      (a.k.a. 128.153.12.3)
...                             (general blurb)
user: anonymous
password: <any non-null string>
ftp> cd pub/latex-style         (where the files are)
ftp> ls                         (to see what is there)
...                             (lots of output)
ftp> get Index
...                             (more blurb)
ftp> quit
```

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has LaTeX style files only.

1. Either one 1.2 MB diskette or three 360 KB diskettes, blank and formatted.
2. Indication of the format required,
3. A self-addressed mailer, and
4. A $5.00 donation per set of files, to cover postage and equipment wear & tear. (If you live outside North America, airmail delivery will probably require more postage. You should probably contact David for details.)
5. No phone calls or personal visits please.

- Jon Radel
  P. O. Box 2276
  Reston, VA 22090

has LaTeX style files and utilities. For a list or other info send a SASE.

1. 360 KB diskettes, blank and formatted.
2. A stamped, self-addressed mailer, and
3. $1.50 per disk. If you live outside North America, skip the stamps and send additional money or International Reply Coupons.

As a convenience for people who have more money than floppies, Jon will supply everything for $6.00 per disk to U.S./Canada/Mexico addresses.

Contents of the collection

Description	A list of all the files in alphabetical ordering with a brief description of each
Index	A list of all the files in reverse chronological ordering
Readme	Documentation on how to get files
a4.sty	Set page size to A4
a4wide.sty	Adjusts width to suit A4
a5.sty	Sets A5 page size (use only with 10pt)
a5comb.sty	Same, but for spirally-bound documents (bigger inner margins)
aaai-instructions.tex	
	Instructions to authors
aaai-named-0.99.bst	
	BibTeX style to accompany aaai.sty, for version 0.99
aaai-named-0.98.bst	
	For version 0.98
aaai.sty	Style file for AAAI conference 1987
acm.bst	ACM BibTeX style
agugrl.sty	AGU Geophysical Research

agugrl-sample.tex	
	Letters style, sample
agujgr.sty	AGU Journal of Geophysical
agujgr-sample.tex	
	Research style, sample
album.shar	Style for printing cassette labels
alltt.sty	Like verbatim, but permits other commands inside
amssymbols.sty	
	Load AMS symbol fonts
apalike.sty	American Psychological Association style files
apalike.bst	BibTeX file for apalike for version 0.99
article.txt	Standard files in text format with
art10.txt	places to make language specific
art11.txt	changes indicated
art12.txt	
biihead.sty	Underlined heading
boxedminipage.sty	
	Puts a box round a minipage
bsf.sty	Provide access to bold sans serif fonts in LaTeX
btxdoc.tex	Documentation on how to use BibTeX
btxhak.tex	Documentation on how to program BibTeX
btxdoc.bib	Bibliography needed to LaTeX btxdoc.tex and btxhax.tex
captcont.sty	Auxiliary file needed by files described in local-suppl
cyrillic.sty	Load cyrillic font
dayofweek.tex	
	Macros to compute day of week and phase of moon. Examples of how to use TeX arithmetic capabilities.
deproc.sty	DECUS Proceedings style
deprocldc.tex	
	Paper that describes the above
docsty.shar	Program to convert .doc to .sty by stripping comments
doublespace.sty	
	Double spacing in text
draft.sty	Draft option for documents for "debugging"
drafthead.sty	
	Prints DRAFT in heading
drop.sty	Style for making large dropped initials for starting paragraphs
dvidoc.shar1	DVI to character device filter for Unix BSD systems
dvidoc.shar2	part 2 of the above file

`eepic10.shar`	A picture environment that used tpic specials
`epic.shar1`	An extended picture environment
`epic.shar2`	part 2 of the above file
`espo.sty`	Style file for Esperanto
`fig2epic1c.shar`	Converts fig code to epic or eepic files
`fixup.sty`	Fixup Plain's \bigl, etc., to track LaTeX size changes
`fnpara.tex`	Sets footnotes as paragraphs
`format.sty`	Print FP numbers in fixed format
`fullpage.sty`	Get more out of a page
`geophysics.sty`	Geophysics journal style
`german.sty`	Style file for German
`ieeetr.bst`	IEEE Transactions BibTeX style
`insertplot.readme`	Documentation on `insertplot.sty`
`insertplot.sty`	For inserting PostScript in files printed with Arbor DVIPS
`ist21.sty`	IST21 document style option for cover page
`latex.bug`	Latest listing of bugs found in LaTeX
`layout.readme`	Prints nice diagram showing
`layout.tex`	page parameters
`lcustom.tex`	Useful macros and definitions for LaTeX
`lfonts_ams.readme`	Use AMS symbols in LaTeX
`lfonts_ams.tex`	
`lgraph.shar`	Data to graph command filter in Pascal
`local-suppl.tex`	Supplement to local guide; describes `tgrind`, `sfwmac`, `trademark`, `lcustom`, `xxxcustom`, and `xxxslides`
`manual.readme`	Like "book" but for manuals.
`manual.sty`	Need to look at "book"
`man10.sty`	for documentation
`man11.sty`	
`man12.sty`	
`memo.sty`	Memo style option
`merge.sty`	Form letter option to LaTeX letter style
`mfr.sty`	Modifier to `memo.sty`
`mitthesis.sty`	Massachusetts Institute of Technology thesis format
`mitthesis-sample.tex`	sample for above
`natsci.bst`	Natural sciences generic BibTeX style
`natsci.sty`	Formats citations created with `natsci.bst`
`newalpha.bst`	Modified alphabetic BibTeX style
`nl.sty`	Style file customized for Dutch
`nopagenumbers.sty`	Remove page numbers
`pcwritex.shar`	PC-Write to TeX interface. Contains control characters.
`pslatex.shar`	Macros to build pslatex, a LaTeX that uses printer resident PostScript fonts. Requires dvi2ps that understands PostScript fonts.
`remark.sty`	Like newtheorem but no \it
`resume.sty`	Format for doing resumes
`resume-sample.tex`	Sample file for above
`romanneg.sty`	Roman-numbered pages get negative page numbers (useful when selecting only part of a document to be printed)
`rscsencode.shar`	RSCS en/decoder
`sc21.sty`	ISO/TC97/SC21 document style
`sc21-wg1.sty`	Option for cover page
`schedule.sty`	Style for generating schedule sheets
`sfwmac.sty`	Useful macros for Unix documentation
`shapiro-btxbst-0.98.sty`	
`shapiro-btxbst-0.98.readme`	
`shapiro-makebst.sh`	A master file for BibTeX styles with standard styles and some new ones. Also a Unix sh script to generate the styles
`showlabels.sty`	Shows labels and references to them
`select.tex`	Selectively print pages in a TeX document
`semitic.sty`	Used to set Semitic languages
`siam.bib`	BibTeX file for `siam.tex`
`siam.bst`	SIAM BibTeX style
`siam.sty`	SIAM LaTeX style file
`siam.tex`	Documentation for `siam.sty`
`siam10.sty`	

```
siam11.sty
siam12.sty
slem.sty        Change \sl to \em
spacecites.sty
                Modified to give spacing between
                  citations
suthesis.sty   Stanford U thesis style
svma.sty       Style for Springer-Verlag reports,
                  multi-author
svsa.sty       Springer-Verlag, single author
svma.tex       the manual for svma
tabledoc.tex   Documentation for tables.sty
tables.sty     Ruled and unruled tables made
                  easy
texindex.shar
               Style file and processor for index
                  entries for VMS
texnames.sty   Define a couple more TEX names
tgrind.sty     Tgrind macros for LaTeX instead of
                  TEX
threepart.sty
               Three part page headers
titlepage.txt
               Style file in text format to go with
                  article.txt
trademark.sty
               Definitions of common trademarks
uct10.sty      U of California thesis style
uct11.sty
uct12.sty
ucthesis.sty
ucthesis.readme
uuencode.shar
               uu en/decoder to assist file
                  transfers
vdm.sty        Vienna Development Method
                  LaTeX style
vdm.tex        documentation on above
wsltex.shar    Wordstar to LaTeX filter, C and
                  Pascal versions
xxxcustom.tex
               Supplementary macros for
                  xxx-tex, for some xxx
xxxslides.sty
               Supplementary macros for SLiTEX,
                  includes slides.sty
```

The LaTeX Column

Jackie Damrau
University of New Mexico

Please keep those questions or helpful hints coming. Remember, they will be answered as soon as possible via electronic mail (if possible) and then published in the next TUGboat. Until then, happy LaTeXing.

Question 1

```
\begin{titlepage} \\
\maketitle \\
\end{titlepage}
```

Although this is not a usage mentioned in The Manual, it is not discouraged thereby and it is, I feel, a very reasonable thing for Ms/Mr Naive User to input; indeed, it works fine–except that the page gets "headed and footed" and number "0" (contradicting the first paragraph of Section 5.3.1).

This happens because \maketitle starts with (at least) one \newpage: I should like to query whether these are needed.

Also, whilst on the subject of \maketitle, why does it zealously "zero out" \@title, \@author, etc. and even itself! What dreadful consequences would ensure if this was not done? Is it perhaps, merely to prevent such terrible solecisms as having the title appear more than once in a document?

Chris Rowley
The Open University
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Answer from Leslie Lamport:

From page 84:

> The \maketitle command ... is described in Sections 2.2.2 and C.4.3. You can also create your own title page with the titlepage environment. ...
>
> You are completely responsible for what appears on a title page made with the titlepage environment.

While this admittedly doesn't explicitly say that you **CAN'T** use \maketitle in a titlepage environment, it should at least lead the reader to suspect that this might be the case.

I can see no reason to use two instances of the \maketitle command defined by the standard styles, so that command "zeros out" the definitions to save a little space. The values of \@title, etc. would be of use only to commands defined by a document style; any style designer who wants to use the values elsewhere should redefine \maketitle so it preserves them.