Contents of LaTeX Style Collection
as of 30th June 1988

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The LaTeX style collection now contains the files listed below. They are at `cs.rochester.edu` in directory `public/latex-style`, and are available for anonymous ftp. You should retrieve the file `00index` first to obtain a brief description of current directory contents. The file `00directory` contains a reverse time sorted list of files; this may be helpful in keeping your collection in sync with LaTeX-style.

Entries marked with * are new or changed since the last TUGboat listing. Entries marked with a † (`ieeetr`, `acm`, `siam` and `apalike` BibTeX styles) require BibTeX 0.99b. The others require 0.981 or older.

File	Description
00directory	
00index	
00readme	
a4.sty	Set page size to A4
a4wide.sty	Adjusts width to suit A4
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.doc	American Psychological
apalike.sty	Association style files
* apalike.bst	†
article.txt	Standard files in text format,
art10.txt	with places to make
art11.txt	language specific
art12.txt	changes indicated
biihead.sty	Underlined heading
* bsf.doc	Provide access to bold
* bsf.sty	sans serif fonts in LaTeX
* 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.doc	Style for making large
* drop.sty	dropped initials for starting paragraphs
dvidoc.shar1	Sh archive of DVIDOC, DVI
dvidoc.shar2	to character device filter for Unix BSD systems
epic.shar1	Sh archive of extended
epic.shar2	picture environment
espo.sty	Style file for Esperanto
* fixup.doc	Fixup Plain's \bigl, etc., to track LaTeX size changes
format.sty	Print FP numbers in fixed format
fullpage.doc	Get more out of a page
geophysics.sty	Geophysics journal style
german.sty	Style file for German
ieeetr.bst	† IEEE Transactions BibTeX style
ist21.sty	IST21 document style option for cover page
latex.bug	Latest listing of bugs found in LaTeX
* latex.dif	Differences between versions of standard LaTeX files, beginning 3 Jan 88
layout.readme	Prints nice diagram
layout.tex	showing page parameters
lcustom.tex	Useful macros and definitions for LaTeX
lfonts_ams.readme	Use AMS symbols in LaTeX
lfonts_ams.tex	
lgraph.shar	Sh archive of 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	* svma.sty	Style for Springer-Verlag reports, multi-author
* manual.sty	Need to look at "book"	* svma.tex	Manual, Springer-Verlag
* man10.sty	for documentation	* svsa.sty	Springer-Verlag, single author
* man11.sty		* tabledoc.tex	Documentation for tables.sty
* man12.sty			
memo.sty	Memo style option	* tables.sty	Ruled and unruled tables made easy
mfr.sty	Modifier to memo.sty		
mitthesis.sty	Massachusetts Institute of Technology thesis format	texindex.shar	Style file and processor for index entries for VMS
mitthesis-sample.tex		texnames.doc	Define a couple more
natsci.bst	† Natural sciences generic BibTEX style	texnames.sty	TEX names
		tgrind.sty	Tgrind macros for LATEX instead of TEX
natsci.sty	Formats citations created with natsci.bst		
newalpha.bst	† Modified alphabetic BibTEX style	threepart.sty	Three part page headers
		titlepage.txt	Style file in text format to go with article.txt
nl.sty	Style file customized for Dutch	trademark.sty	Definitions of common trademarks
nopagenumbers.doc	Remove page numbers		
remark.sty	Like newtheorem but no \it	uct10.doc	U of California thesis style
resume.sty	Format for doing resumes	uct11.doc	
resume-sample.tex	Sample file	uct12.doc	
rscsencode.shar	Sh archive of the rscs en/decoder	ucthesis.doc	
		ucthesis.readme	
sc21.sty	ISO/TC97/SC21 document style	* uct10.diffs	Context diffs from LATEX report style files to make updating easy
		* uct11.diffs	
sc21-wg1.sty	Option for cover page	* uct12.diffs	
* schedule.doc	Style for generating schedule sheets	* ucthesis.diffs	
* schedule.sty		* uuencod.shar	Sh archive of the uu en/decoder
sfwmac.sty	Useful macros for Unix documentation	vdm.doc	Vienna Development Method LATEX style
* shapiro-btxbst-0.98.doc		vdm.sty	
* shapiro-btxbst-0.98.readme		vdm.tex	
* 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	wsltex.shar	Wordstar to LATEX filter, C and Pascal versions
		xxxcustom.tex	Supplementary macros for xxx-tex, for some xxx
showlabels.sty	Shows labels and references to them	xxxslides.sty	Supplementary macros for SLITEX, includes slides.sty
siam.bib	SIAM BibTEX style		
siam.bst	†		
siam.doc	SIAM LATEX style		
siam.sty			
siam.tex			
siam10.doc			
siam10.sty			
siam11.sty			
siam12.sty			
slem.doc	Change \sl to \em		
spacecites.doc	Modified to give spacing between citations		
suthesis.doc	Stanford U thesis style		
suthesis.sty			

More submissions are very welcome. Send them to Ken

    LaTeX-Style@cs.rochester.edu
    ..!rochester!latex-style

For Internet users: how to ftp

An example session is shown below. Disclaimer: ftp syntax varies from host to host. Your syntax may be different. The syntax presented here is that of Unix ftp. Comments in parentheses.

Non-Internet users: how to retrieve by mail

An archive server for LaTeX files has been installed. Send a piece of mail to `LaTeX-Style` (`@cs.rochester.edu`, via UUCP or your favourite gateway) in the following format.

– Subject line should contain the phrase "`@file request`".

– The body of the mail should start with a line containing only an `@` (at) sign.

Important! The first line following the "at" line should be a mail address **from** Rochester **to** you. (Undeliverable mail will be silently dropped on the floor.)

– Follow your return address by the names of the files you want, either one to each line, or many to each line, separated by spaces.

– End with a line containing only an `@` sign.

– Case is not significant.

For example, if you are `user` at `site.bitnet`, this is what you should send: (*don't forget your address!*)

```
To: latex-style@cs.rochester.edu
Subject: @file request

@
user%site.bitnet@cunyvm.cuny.edu
00readme
00index
@
```

A word to the wise: it is best to fully qualify your mail address. Our mailer is pretty ignorant of Bitnet, CSnet or UUCP addresses unless they are in registered domains. It is best that you supply explicit gateway routes. Use the new domainized form of addresses whenever possible. Examples:

```
user%site.bitnet@cunyvm.cuny.edu
user%site.csnet@relay.cs.net
site!user@uunet.uu.net
```

Long UUCP paths are discouraged. System administrators get upset and your turnaround is very slow anyway.

If the `Subject:` line looks like:

```
Subject: @file request uuencode
```

or

```
Subject: @file request rscsencode
```

then the mail will be encoded with the requested scheme before sending. This *might* help sites that get mail through gateways with unfriendly EBCDIC/ASCII mappings. You can find sources for the two types of en/decoders in the collection. You may have to do some porting of sources.

Be patient as the server is actually a batch program run once a day. Files will be sent in batches, each not exceeding 100kbytes in size.

Distribution for IBM PC and clone users

There are two sources.

■ David W. Hopper
446 Main Street
Toronto, Ontario
Canada M4C 4Y2

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.)

Sample FTP session for Internet users

```
% ftp cayuga.cs.rochester.edu    (a.k.a. cs.rochester.edu, a.k.a. 192.5.53.209)
...                              (general blurb)
user: anonymous
password: <any non-null string>
ftp> cd public/latex-style       (where the files are)
ftp> ls                          (to see what is there)
...                              (lots of output)
ftp> get 00index
...                              (more blurb)
ftp> quit
```

5. No phone calls or personal visits please.

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

has LaTeX style files and other goodies. 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.

Editor's note: 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`

Additional volunteers should contact Ken.

A Note on Processing Parts With LaTeX

Stephan v. Bechtolsheim

In this note I would like to suggest how to administer efficiently the processing of a multi-part LaTeX-based document. I have assumed that the document is fairly large and therefore LaTeX's `\includeonly` feature is used—this note does **not** apply to documents which consist of only one LaTeX file.

Two implementations of my ideas will be shown, the first using UNIX and the other using MS/DOS. To derive an implementation to run under yet another operating system should be straightforward.

Let us assume that `part1.tex`, `part2.tex` and `part3.tex` are the three parts of a document. There is also a *main source file* called `main.tex`, which might look as follows:

```
\documentstyle{article}
\includeonly{part1}
\begin{document}
    \include {part1}
    \include {part2}
    \include {part3}
\end{document}
```

Assume further that the user always processes only one part at a time, never two or more, or the complete document in one piece. Then it is natural to rename `main.dvi` after running LaTeX to `part1.dvi`, `part2.dvi` or `part3.dvi`, depending on which part of the document was processed. There is, as far as the user is concerned, no `main.dvi` any more. `main.log` is also renamed, and becomes either `part1.log`, `part2.log` or `part3.log`.

Renaming the parts has an additional advantage: it is easy to find out whether or not a part still has to be processed by LaTeX. If `part1.tex` was last changed at 2:00pm and the time stamp of `part1.dvi` shows 3:00pm then `part1.dvi` is "up-to-date". But if `part1.dvi`'s write time is 1:00pm then `part1.tex` has to be reprocessed because the source file is newer than its `dvi` file.

The next step is to rewrite the original main source file as follows (the `\includeonly` statement is now read in from an external file `include.tmp`):

```
\documentstyle{article}
\input{include.tmp}    % CHANGED
\begin{document}
    \include {part1}
    \include {part2}
    \include {part3}
\end{document}
```