A Catalogue of TeX Macros

version 1.06

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Introduction

This is a catalogue of TeX macros. Its scope includes all macros that are available via anonymous ftp or mail-server or some similar mechanism. Commercial packages will be included only if a full Catalogue entry is supplied to me by the vendor.

In this, its first incarnation, the Catalogue is heavily slanted towards the ymir and SHSU archives, in the sense that most of the entries have been drawn from the packages at those sites. Although I have included a significant amount of material from the Stuttgart archive, I've fallen far short of exhausting its wealth of macros, and the excellent Aston archive is hardly represented at all. I hope to remedy both of these shortcomings in the near future.

In addition to the archives just mentioned, a number of smaller, more specialized archives are also represented. For example, e-math.ams.com is the home of all the official AMS macro packages, including AMS-TeX, AMS-LaTeXand the AMSFonts package. Similarly, `dhdspri6.bitnet` is the home of all official Springer-Verlag macros.

Since the Catalogue is devoted to macros, fonts and special-purpose programs are mentioned only when they are necessary to explain the purpose of a set of macros. For a list of fonts, I recommend Liam R. E. Quin's list of metafonts [1]. For a list of TeX implementations and other programs, see Bobby Bodenheimer's frequently-asked questions list [2] and Guoying Chen's supplement [3].

Each entry is divided into a number of fields, with the following functions:

- **Name:**
  The name of the macro package, usually the same as the name of the file containing it.
- **Description:**
  A short (usually 1-3 line) description of what the package does.

- **Keywords:**
  A list of keywords to facilitate searching for special-purpose macros, as well as to help describe the macros. A glossary of keywords can be found at the end of the file.
- **Archives:**
  A list of archives where the package can be found. Whenever known, the primary distribution site is marked with an asterisk. This list is not meant to be comprehensive. Instead, priority is given to the ymir, Aston, SHSU, Stuttgart and Utrecht archives. When the archive is well-known and has a significant collection of macros, I refer to it by an abbreviated name and give complete information about the archive in the 'List of TeX Archives' at the end of the Catalogue. In many cases, however, an ftp site serves as the home of only one package, in which case I include the full name of the archive in the 'Archives' field and don't include a full listing for it below.
- **Author:**
  The name and address (preferably electronic) of the author of the package. All email addresses, including JANET addresses, have been normalized to little-endian order.
- **Bugs to:**
  The address where bug reports should be sent, if this is different from the address(es) listed in the Author field. Currently (version 1.06 of the TeX Macro Index), this is only used for files in the standard LaTeX distribution. These files are being maintained by Frank Mittelbach and Rainer Schöpf, but all bug reports should be sent to `latex-help@cs.stanford.edu`.
- **Latest Version:**
  The date and/or version number of the latest release of the package.
- **Supported:**
  Whether or not the package is supported, that is, whether the author wants to receive bug reports and/or comments on the package. Note that in most cases the author of a 'supported' package does not promise to fix bugs or answer questions about the package. The only promise is that the author

won't get mad if you send a bug report. In addition, it means that the author would like to hear about any improvements or additions to the macros. In fact, some authors only want to hear about improvements: they will accept bug fixes but will not necessarily answer bug reports.

Needless to say, the Catalogue is bound to contain numerous small errors and omissions and, most likely, not a few large ones. I've tried to indicate some of the larger gaps that I am aware of, and I'll be working to close these gaps as time permits. However, I would appreciate hearing about any errors or omissions in the information below. I would especially appreciate it if authors of macros would send me full index entries for their packages. I'll continue creating entries on my own, but the task will be greatly simplified if I receive ready-made index entries, rather than having to retrieve the files and process them by myself. I'll attempt to answer all mail sent to me, but please keep in mind that it might take me some time to do so.

Whenever possible, I asked the authors these packages to verify the information listed. I'm grateful to those who responded. In a few cases I didn't have time to follow up on the information that authors supplied me, but, again, I'll do this as soon as time permits.

I'd like to thank the following people for reading a preliminary version of the Index and commenting on it:

> Ravinder Bhumbla
> David Carlisle
> Steve Fisk
> Graham O'Neil
> Eric Schenk
> Dave Steiner
> Dominik Wujastyk

They provided me with numerous helpful comments and suggestions. Unfortunately, lack of time once again prevented me from implementing all of their ideas for this first release of the Catalogue, but I will be working on them for future versions of the Catalogue.

My thanks also goes out to George Greenwade and Nelson Beebe for helping me get connected to the community of T_EX archivers and for answering numerous questions.

Finally, I extend my special thanks to Barbara Beeton for her constant support and encouragement. Without her always gentle nudges, this project would probably have become moribund on a number of occasions.

How to retrieve the T_EX Macro catalogue

• `archive.cs.ruu.nl` (Netherlands)

How to get `TeX-index.Z` from the archive at Dept. of Computer Science, Utrecht University:

by FTP: (please restrict access to weekends or evening/night (i.e. between about 20.00 and 0900 UTC)).

```
ftp archive.cs.ruu.nl [131.211.80.5]
user name: anonymous or ftp
```

```
password: your own email address
  Don't forget to set binary mode if
  the file is a tar/arc/zoo archive,
  compressed or in any other way
  contains binary data.
get TEX/DOC/TeX-index.Z
```

by mail-server:

send the following message to `mail-server@cs.ruu.nl`

```
begin
path john@highbrow.edu
      (PLEASE SUBSTITUTE
          *YOUR* ADDRESS)
send TEX/DOC/TeX-index.Z
end
```

The path command can be deleted if we receive a valid from address in your message.

• `theory.lcs.mit.edu` (USA)

The T_EX Macro Catalogue is available via anonymous ftp and mail server from `theory.lcs.mit.edu` [18.52.0.92] in the file `TeX-index` in the directory `pub/tex`. To retrieve it by mail server, send a message to `archive-server@theory.lcs.mit.edu` containing the following line

```
send tex TeX-index
```

The Catalogue is also available in compressed, zip'ed and zoo'ed format in the files `TeX-index.Z`, `TeX-index.zip` and `TeX-index.zoo`, respectively. Note that if you want to request one of the compressed files by mail server, you'll have to specify a method of ASCII encoding by including one of the following lines in your mail message:

```
encoder btoa
encoder uuencode
encoder rscs
```

References

[1] Complete list of all metafont-format fonts in the world. Liam R. E. Quin <`lee@sq.sq.com`>. Posted bi-monthly to `comp.text.tex` and `comp.fonts`.

[2] T_EX, L^AT_EX, etc.: Frequently Asked Questions with Answers [Monthly]. Bobby Bodenheimer. Posted monthly to `comp.text.tex`. Also available on most of the major T_EX archives.

[3] Supplement to the Frequently Asked Questions. Guoying Chen. Posted monthly to `comp.text.tex`. Also available by anonymous ftp from `cs.nyu.edu` (128.122.140.24) in the `pub/tex/tex.supplement`.

Table of Contents

The Catalogue is divided into a rough hierarchy based on macro package. I hope to refine the division in the future, but for now here is the list of headings:

Examples

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Name: amstex.tex
Description: AMS-TeX is the American Mathematical
    Society's macros for simplifying the typesetting of
    complex mathematical material. AMS-TeX is meant to
    be used with plain TeX. For corresponding support
    for LaTeX, see AMS-LaTeX.
Keywords: AMS-TeX, math
Author: American Mathematical Society
        <Tech-Support@math.ams.org>
Supported: yes
Latest Version: v2.1, 5 Apr 1991
Archives: e-math*, ymir, utrecht, aston, stuttgart
Note: The AMS-TeX distribution includes a readme file,
     a user's guide (amsguide.tex) and installation
     notes (amstinst.tex).
See also: AMS-LaTeX


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Name: artikel1.sty (.doc)
Description: LaTeX document style for producing an article
    compatible with Dutch typesetting conventions,
    design 1. Compatible with article.sty.
Keywords: LaTeX, article, Dutch, NTG
Author: Victor Eijkhout <eijkhout@cs.utk.edu>
Supported: yes
Latest Version: v1.18, 3 Dec 1991
Archives: tex-nl*, ymir
Note: Part of the Dutch national LaTeX effort. Requires
    ntg10.sty, ntg11.sty, ntg12.sty (q.v.).
See also: artikel2.sty, artikel3.sty, boek.sty, brief.sty,
    rapport1.sty, rapport3.sty
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Name: badges.tex
Description: plain TeX program for making name tags.
Author: Piet Tutelaers <rcpt@urc.tue.nl>,
        <rcpt@heithe5.bitnet>
Supported: ???
Latest Version:
Archives: ymir
Note: Package includes badges.ps, badges.readme
     and addresses.tex.


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Name: cassette.tex
Description: plain TeX macros to typeset labels
    for standard Phillips audio cassette boxes.
Keywords: plain TeX, cassette label
Author: David Strip <drstrip@isrc.sandia.gov>
Supported: yes
Latest Version: 1991
Archives: ymir
Note: Uses, but does not require, two special fonts,
     dolby and cdlogo.
See also: tape.sty


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Name: comment.sty
Description: Macros for commenting out sections of
    documents in plain TeX or LaTeX.
Keywords: plain TeX, LaTeX, comment
Author: Victor Eijkhout <eijkhout@cs.utk.edu>
Supported: yes
Latest Version: v2.0, 19 Jun 1992
Archives: stuttgart, shsu
See also: comment.tex, verbatim.sty


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Name: dcolumn.sty (.doc)
Description: LaTeX style option for producing tabular
    entries aligned on a decimal point.
Keywords: LaTeX, tabular, array, decimal
Author: David Carlisle <carlisle@cs.man.ac.uk>
Latest Version: 1.01, 12 June 1992
Archives: stuttgart*, shsu, aston
Supported: yes
Note: Requires array.sty.  Documentation requires
     Mittelbach's doc.sty.
See also: decalign.sty, dectab.sty


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Name: Elsevier.txs
Description: TeXsis style file for North Holland
    publications.
Keywords: TeXsis, proceedings
Author: Eric Myers and Frank E. Paige
        <texsis@lifshitz.ph.utexas.edu>
Supported: yes
Latest Version: v2.14, 9 Jul 1991
Archives: lifshitz.ph.utexas.edu* [128.83.131.57]


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Name: manpage.sty
Description: LaTeX document-style option for producing
    UNIX manual pages.
Keywords: LaTeX, manpage
Author: Rong Chen <rchen@cs.uiuc.edu>
Supported: yes
Latest Version: v1.03, 11 Jun 1992
Archives: shsu*, ymir
Note: Includes a sample file appended to the end of the
     style file.
See also: unixman.sty


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Name: nederlands.bst
Description: BibTeX style based on the requirements
    of the department of dutch of the University of
    Nijmegen, being more or less the standard
    practice among (dutch) historians and linguists.
    It supports citations of the form "Jansen
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(1992)" and "(Jansen 1992)" depending on whether
the citation is used as a noun or as a
parenthetical note. Bibliography entries are
sorted by authors name following Dutch (and
german) rules (regarding the 'von' part of the
name).
Keywords: BibTeX, bibliography
Author: Werenfried Spit <Spit@vm.ci.uv.es>,
        <Spit@ific.uv.es>
Supported: yes
Latest Version: v2.2, 22 Apr 1992
Archives: archsci.arch.su.oz.au* [129.78.66.1], shsu
Note: remarks regarding the layout are welcome.
      The main aim of the style is to treat names
      regarding to dutch (and german) rules.
      Variations of style could be provided. This is
      part of the Harvard family of bibliography
      styles, which is described in "The Harvard
      Family of Bibliography Styles," distributed with
      the package in the file harvard.tex.
See also: agsm.bst, dcu.bst, kluwer.bst, harvard.sty

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Name: newsletr.tex
Description: plain TeX macros for typesetting a
    newsletter. Includes support for multiple
    columns.
Keywords: plain TeX, newsletter, multi-column
Author: Hunter Goatley <goathunter@wkuvx1.bitnet>
Supported: yes
Latest Version: v01-014, 3 Jun 1989
Archives: shsu*

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Name: overcite.sty
Description: LaTeX document-style option for compressing
    lists of three or more consecutive numbers into one
    number range and displaying them as a superscripted
    citation. E.g., "foo [1,2,3]." becomes "foo.^{1-3}".
Keywords: LaTeX, citation, bibliography
Author: Donald Arseneau <asnd@jack.triumf.ca>,
        <asnd@triumfcl.bitnet>
Supported: yes
Latest Version: 1991
Archives: shsu*, utrecht
See also: citesort.sty, drftcite.sty, rangecite.sty

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Name: psfig.tex
Description: TeX macros for including Encapsulated
    PostScript graphics in a TeX document.
Keywords: plain TeX, AMS-TeX, LaTeX, epsf,
    PostScript, dvips, dvi2ps
Author: Trevor J. Darrell <trevor@media.mit.edu>
Supported: yes
Latest Version: v1.9, 17 Oct 1991
Archives: whitechapel.media.mit.edu* [18.85.0.125],
          shsu, aston
Note: Also available as a LaTeX style file, psfig.sty.

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Name: revtex.sty
Description: REVTeX is the official LaTeX macro package
    for preparing manuscripts for producing manuscripts
    for the American Physical Society's Physical Review
    A, B, C and D, as well as Physical Review Letters.
    (Many AIP journals also accept REVTEX manuscripts.)
Keywords: LaTeX, REVTeX, Physical Review, physics,
          journal, publisher style
Author: American Physical Society <mis@aps.org>,
        <mis@apsedoff.bitnet>
Supported: yes
Latest Version: v3.0, 27 Oct 1992
Archives: shsu*, stuttgart*, labrea*, ymir, utrecht, aston
Note: The REVTeX package includes a README file, a users
      manual (apguide.tex) and three sample files
      (smplea.tex, smpleb.tex and smplec.tex).
See also: aps.sty, aps10.sty, aps12.sty, eqsecnum.sty,
          preprint.sty

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Name: scorecard.tex
Description: plain TeX macros for printing a baseball
    scorecard for one team, as well as summary

statistics boxes (Pitcher's stats, Offense, Defense,
and Pitching miscellanea, a Notes section, and a
line score).
Keywords: plain TeX, baseball
Author: Matthew Wall <matt@cs.brandeis.edu>
Supported: ???
Latest Version: v1.1, 28 Apr 1989
Archives: ymir

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Name: shadebox.tex
Description: Macros for printing text on top of shaded boxes
    on PostScript devices.
Keywords: generic, PostScript, dvips
Author: <Leo@vaxc.cc.monash.edu.au>
Supported: ???
Latest Version: 16 Jan 1992
Archives: shsu

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Name: symbols.tex
Description: A listing of all the standard LaTeX math
    symbols and the AMS symbols.
Keywords: LaTeX, symbols, AMSFonts
Author: David Carlisle <carlisle@cs.man.ac.uk>
Latest Version: 2.00, 12 June 1992
Archives: shsu*, aston
Supported: yes
Note: If used with the NFSS, requires AMSFONTS2.1, and
      amssymb.sty. If used without the NFSS, does not show
      the AMS Fonts.

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Name: testfont.tex
Description: TeX program for displaying font tables.
Keywords: plain TeX, fontchart
Author: Donald E. Knuth
Supported: ???
Latest Version:
Archives:
See also: fontchart.tex, fontbl.tex

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Name: texsis.tex
Description: \TeX sis is a collection of \TeX\ macros
    for typesetting physics documents such as papers and
    preprints, conference proceedings, books, theses,
    referee reports, letters, and memos. \TeX sis macros
    provide automatic numbering of equations, automatic
    numbering and formatting of references, double
    column formatting, macros for making tables and
    figures, with or without captions, including tables
    with horizontal and vertical rules. \TeX sis
    supports a wide variety of type sizes and a number
    of specialized document formats, and it even
    includes macros for making form letters for job
    applications or letters of recommendation.
Keywords: TeXsis, physics, fmt
Author: Eric Myers and Frank E. Paige
        <texsis@lifshitz.ph.utexas.edu>
Supported: yes
Latest Version: v2.15, 3 Aug 1992
Archives: lifshitz.ph.utexas.edu* [128.83.131.57]
Note: Includes a user's manual (Manual.tex), a UNIX man page
      (texsis.1), installation notes (INSTALL and
      Install.tex), a README file, a GNU emacs mode
      (texsis.el) and an example paper (Example.tex).
      For support for an index, see index.tex.

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Name: tugboat.sty
Description: plain TeX macros for preparing an article
    for TUGboat, the Communications of the TeX Users
    Group.
Keywords: plain TeX, TeX Users Group, TUGboat,
Author: TeX Users Group <TUGboat@math.ams.org>
Supported: yes
Latest Version: v1.11, 8 Mar 1992
Archives: labrea, stuttgart, shsu
Note: Requires tugboat.cmn
See also: ltugboat.sty, tugproc.sty, ltugproc.sty,
          tugboat.cmn