The \LaTeX\ 2\epsilon TUGboat macros

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1 Introduction
This is the documentation for the \LaTeX\ 2\epsilon macros to be used by TUGboat authors. The macros represent a development of the earlier ltugboat and ltugproc styles that were written for use with \LaTeX\ 2.09; major contributors have been Robin Fairbairns, Sebastian Rahtz, Michel Goossens, Nico Poppelier and Johannes Braams. Many others have been involved, including Barbara Beeton, Karl Berry, Mimi Burbank, and the \LaTeX\ team.

2 Availability
The TUGboat web pages are at:
https://tug.org/TUGboat
They provide an article template, information for authors and reviewers, and the complete run of all published TUGboat issues, among other things.

The macros are released for general use, and are distributed via CTAN (directory \texttt{macros/latex/contrib/tugboat}) in the usual \LaTeX\ way as files \texttt{ltugboat.dtx} and \texttt{ltugboat.ins}. When the \texttt{.ins} file is processed by \LaTeX, the files \texttt{ltugboat.cls} and \texttt{ltugbib.bst} (for use with articles) and \texttt{ltugcomm.sty} (a cooking pot of perhaps-useful macros, for documentation, etc.) are produced. (\texttt{ltugproc.cls} is also produced for compatibility, but is no longer used for proceedings or anything else.)

The \texttt{.dtx} file may itself be processed by \LaTeX\ to produce a formatted (somewhat ‘literate’) source listing for those interested in the implementation of the TUGboat macros.

3 The general structure of a paper
The basic idea is to start your \LaTeX\ document with \texttt{\documentclass{ltugboat}}, which defines the appearance of TUGboat articles. This uses the file \texttt{ltugboat.cls} as usual.

Each paper, therefore, is written as a document that may stand on its own. It starts with a \texttt{\documentclass} command, and its body is enclosed in a \texttt{document} environment. There are some options to the document class, described in the next section, but ordinarily the author needn’t bother with them. The defaults are designed for creating proof copies of papers.

The proof output differs from the final production output with respect to page numbers and other material. The changes required for final production are the responsibility of the TUGboat editors, and the author need not be concerned with them.

4 Class options: The ltugboat class
The \texttt{ltugboat} class accepts many of the options of the \texttt{article} class (it suppresses the font-size selection and one/two-side options).

draft Set up for a draft copy of a paper (this is the default setting — the author need not explicitly set it): page numbering starts at a high number, black marks for overfull boxes.
extralabel Use the extra label-distinguishing mark in the body of the reference; see section 13.
final Set up for the final copy of a paper: page numbering to come from elsewhere, no cropmarks.
harvardcite Specify Harvard-style citation (not recommended in general; see section 13).
noextralabel Don’t use the extra label-distinguishing mark in the body of the reference; see section 13.
onumber Sections are not numbered; section heading layout is to be as in the ‘plain’ \texttt{tugboat} styles.
numbersec Sections, subsections and subsubsections are to be numbered (this is the default setting — the author need not explicitly set it).
onecolumn Typeset article in one column.
preprint Set up for a preprint.
rawcite Explicitly specify the standard \LaTeX\ citation method, which is the default; see section 13.
runningfull Information in both header and footer (default).
runningminimal Information in header only.
runningoff Information in neither header nor footer. Again, normally there is no need to use any document options. They are listed here for completeness.

5 Command syntax
In general, we have sought simply to keep to the spirit of \LaTeX\ in the commands provided by the TUGboat class (\texttt{ltugboat}).

In the few cases that it has proved possible to emulate (what seems to a staid old \LaTeX\ programmer, such as the original author here) the gay abandon of the syntax of the ‘plain’ \texttt{tugboat} styles [6], we have done so. Nevertheless, on the whole, the new \texttt{ltugboat} macros define \LaTeX\ commands and environments, or modify the definitions of \LaTeX\ ‘standard’ commands. Section 14 lists equivalences between macros defined by the ‘plain’ package and those defined by the new package.

6 Divisions of the paper
Papers in TUGboat may be subdivided in the normal way of a \LaTeX\ article (the classes are defined in terms of \LaTeX’s \texttt{article} class). Thus the author may use \texttt{\section}, \texttt{\subsection}, ..., \texttt{\paragraph}
commands (but \part and \subparagraph from article are suppressed, and \chapter, which doesn’t even appear in the parent class, receives the same treatment).

Authors may note that the style of ordinary issues of TUGboat makes no distinction between the titles of the divisions; the visual style relies on the section numbers to indicate where the divisions lie in the hierarchy. If you use \paragraph, consider ending the paragraph label with a period; sometimes it is helpful, sometimes not.

For references to numbered sections, our style is to always use the word ‘Section’ in the text, e.g., \section{Divisions of the paper} without worrying about whether it is technically a sub(sub)section. It’s also ok to use the section sign §, if that suits the material better.

Reference can also be made to the ‘title’ of divisions of the paper, whether they are numbered or not. The \nameref command (which uses the technique developed for the hyperref package \cite{hyperref}) permits such references; for example, the present section was introduced by:
\begin{verbatim}
\section{Divisions of the paper}
\label{sec:divs-paper}
\end{verbatim}
and the command \nameref{sec:divs-paper} produces ‘Divisions of the paper’. However, as you can see here, reusing the literal text of section titles often results in awkward results. We recommend numbered references in general.

\section{Abstracts}
The \texttt{tugboat} class provides two environments for abstracts, \texttt{abstract} and \texttt{longabstract}. The \texttt{abstract} environment simply typesets its body as an un-numbered section whose title is ‘Abstract’. The \texttt{longabstract} environment typesets its body in small text, and separates the abstract from the rest of the paper with a decorative line; this is rarely used.

Please write an abstract, however short.

\section{Appendices}
A paper may have appendices, which can be expressed in exactly the same way as they would be in the \texttt{article} class (confusing as that may be):
\begin{verbatim}
\appendix
\section{This is appendix A}
\section{This is appendix B}
\end{verbatim}
which will produce ‘section’ headings similar to:
\begin{verbatim}
\section{This is appendix A}
\section{This is the first one}
\end{verbatim}

\section{Appendix A}
This is the first one

In both cases, the subsections are numbered as normal (i.e., as ‘A.n’ in normal TUGboat papers):

\section{Appendices}

\section{This is appendix A}

\section{This is appendix B}

\section{This is the first one}

\section{This is the second one}

which will produce ‘section’ headings similar to:

\section{Appendix A}
This is the first one

\section{Appendix B}
This is the second one

\section{TUGboat articles may have a small extension to this format using an \texttt{appendix} environment:
\begin{verbatim}
\begin{appendix}
\section{This is appendix A}
\section{This is appendix B}
\end{appendix}
\end{verbatim}

\section{TUGboat articles may have a small extension to this format using an \texttt{appendix} environment:
given, as in the following, which comes from a paper given at TUG’95 (abbreviated):
\author{Michel Goossens}
\address{CN Division, CERN\ldots}
\netaddress{...}
\author{Sebastian Rahtz}
\address{Elsevier Science Ltd\ldots}
\netaddress{...}

The class files will take care of arranging author names and addresses between the \maketitle and (possibly) \makesignature commands.

7.1 Compilation articles
Compilation articles are written as a set of contributed parts under the general editorship of the author(s) of the article. The author of the article is presented (using \author, etc.) in the usual way, and writes the introductory text. Each contributors’ part then follows. The contributor’s name is quoted in the \contributor command, which is an analogue of the \author command; contributors’ \address, \netaddress or \personalURL. The \contributor command opens a group in which the contribution appears, and the contributor’s signature (produced with a \makesignature command) closes the group. The general scheme looks like:
\title{Example compilation article}
\author{Robin Fairbairns}
\address{University of Cambridge \ldots}
\netaddress{...}
... introductory text ...
\maketitle
\contributor{Betsy the Dog}
\address{Romsey Town, Cambridge}
... Betsy’s contribution ...
...
\makesignature ...

8 Verbatim text
For inline verbatim text, authors should ordinarily employ the facilities of \LaTeX itself, that is, the \verb macro. This macro, of course, is highly restricted as to its usage — primarily, it may not appear in the argument of any other macro, even \footnote.

For displayed verbatim text, the classes add a small increment to the functionality of \LaTeX’s \verb environment, by introducing an optional argument. The optional argument may contain commands to be executed before starting the verbatim text; the set of commands which have useful effect is strictly limited, but the following are common:

- Font size selection commands: for example, all the display verbatim in the present paper starts with \begin{verbatim}\small\end{verbatim}.
- The command \ruled, which is available only in \verb’s optional argument, and specifies that a column-wide rule should be drawn before and after the verbatim text. (This is not the recommended style in general, but it’s available for when it helps.)
- The command \makemeta, also available only in \verb’s optional argument, and makes the construct !\ldots inside verbatim execute \meta{\ldots}. For example,
\begin{verbatim}\makevmeta
The !<duration> is long ...
\end{verbatim}
produces:
The \langle duration \rangle is long ...
The ! character is made a general escape character by \makemeta, but <> are not made grouping characters.

- More generally, one of the \make* commands,\footnote{\makeescape, \makebgroup, \ldots, \makecomment; used, for example, as \makeescape\!} which change the category code of characters within the verbatim text. This is (of course) a facility that should only be used with the utmost caution.

Two caveats about these optional arguments:

- The search for the optional argument can be confused by the appearance of a [ character as the first character of the displayed verbatim. An author who wishes to start verbatim text with a [ character should provide an empty optional argument (i.e., ‘[]’) to the \verb environment.
- The TUGboat facility is lost when any package is loaded that also defines the \verb environment, as discussed next.

Authors may wish to use a more featureful verbatim package, such as such as \verb\cite{4}, \listings\cite{2}, or \fancyvrb\cite{7}. This is ok; it just means the TUGboat optional-argument feature is not available.

If you use the \listings package, please specify:
\lstset{columns=fullflexible, keepspaces=true, commentstyle=\slshape, basicstyle=\ttfamily\small}
\lstdefinestyle{inline}{basicstyle=\ttfamily\normalsize}

Explanations:
\footnote{\makeescape, \makebgroup, \ldots, \makecomment; used, for example, as \makeescape\!}
• **columns=fullflexible**: The other values for the columns option don’t work well in *TUGboat*; we want the program text to be typeset normally, not forcibly aligned into large character cells.

• **keepspace=true**: However, having flexible columns makes spaces in the input not necessarily correspond to spaces in the output. That’s usually desired, for alignment of the sources, hence keepspace.

• **commentstyle=\slshape**: We prefer slanted to Computer Modern typewriter italic. Using regular upright typewriter for comments is fine too.

• **basicstyle=...**: We usually prefer \small for displayed verbatim; when using listings, it is necessary to reset inline verbatim to the normal text size.

9 Floating inserts

The classes do not make any change to *\LaTeX*’s built-in provision for floating inserts, so that authors may generate figures and tables just as they would in any ‘normal’ *\LaTeX* document. Figure and table captions, and labels referring to them, are also substantially untouched.

However, since both classes typeset in two columns, authors must distinguish between the figure and table environments (which produce floats that are the same width as the column) and the figure* and table* (which produce floats that are the same width as the page).

10 Special-purpose typesetting

The classes define a rather large set of commands for special-purpose typesetting. Some of them are available for historical reasons only, and many are only useful in somewhat restricted circumstances. For this reason, the present paper only outlines a representative, small set of the macros.

10.1 Acronyms and logos

The classes provide macros that produce ‘correct’ representations of a large number of acronyms and logos; a small representative selection is shown in figure 1. The sample documents at tug.org/TUGboat/location.html have a more complete list, and of course the class sources are the ultimate reference.

Authors are especially urged to note the acro command, which is defined in the classes. The visual appearance of all-caps sequences among normal text is rather unpleasing in Computer Modern, unfortunately. Therefore, the acro command typesets its argument one point size smaller than the surrounding text: compare ‘DANTE’ (\acro{DANTE}) with ‘DANTE’. Many of the provided macros merely generate calls to \acro; two examples, \CTAN and \tug of the list in figure 1 have already been used in the present paper.

10.2 Assorted other markup

A small list of special typesetting commands follows: a large set of such commands is defined in the classes, but the list covers most of the ‘everyday’ ones.

\Dash Typeset an em-dash, ignoring preceding and following space, surrounded by thin spaces, only breakable after the dash; this is the preferred method of specifying a dash in running text.

\cs{cmd} Typeset a control sequence name: \cs{fred} produces \fred.

\env{environ} Typeset the command to begin an environment: \env{fred} produces \begin{fred}.

\meta{var} Typeset meta-syntactic text: \meta{fred} produces \{fred\}.

\tubbraced{text} Typeset typewriter text in typewriter braces: \tubbraced{fred} produces \{fred\}.

\nth{n} Typeset an ordinal number; \nth{1} is set as 1st, \nth{27} is set as 27th, and so on.

For commands to typeset urls, see section 12.
11 Use of packages

Being a \TeX\ journal, authors may use both standard and non-standard external packages for their articles. The overriding criterion is that articles need to be processable on the TUGboat production computers (running current \TeX\ Live). A sensible mechanism for submitting personal packages is by use of the \texttt{filecontents} environment. It’s also fine to submit manuscript source with additional packages in a zip or other archive.

In general, packages currently on CTAN, and known to work with \textit{current} \TeX\ are likely to be fine. In particular, the team is happy to accept papers using packages that are supported by members of the \TeX\ team,\footnote{Those in the \TeX\ base distribution, or one of those in the macros/latex\textbackslash required sub-tree on CTAN.} subject to the warning already mentioned (section 8): that use of the standard \texttt{verbatim} package eliminates the special \texttt{verbatim} facilities provided by the TUGboat classes.

TUG has a policy that macro packages described in TUGboat should be available for readers to use. Since typing macros from printed sources is a tedious undertaking, authors of publicly available packages are urged to submit their macros to CTAN. If a package is only available under restricted terms, authors are requested to make this fact clear when first submitting an article to the editor.

The \texttt{ltugboat} class loads the package \texttt{mflogo.sty} \footnote{Authors are urged to submit their macros to \texttt{TUGboat}, Volume 0 (19999), No. 0 draft: June 27, 2021 09:27 905 or \texttt{https://github.com/latex3/hyperref/issues/125} for typesetting the \texttt{tugboat.bst}, which was re leased in 2018, it’s fine to use \texttt{plain} or \texttt{abbrv}. If you do have it, though, you may enjoy the following small but useful features: for readers to use. Since typing macros from printed sources is a tedious undertaking, authors of publicly available packages are urged to submit their macros to CTAN. If a package is only available under restricted terms, authors are requested to make this fact clear when first submitting an article to the editor.

The \texttt{ltugboat} class loads the package \texttt{mflogo.sty} \footnote{Authors are urged to submit their macros to \texttt{TUGboat}, Volume 0 (19999), No. 0 draft: June 27, 2021 09:27 905 or \texttt{https://github.com/latex3/hyperref/issues/125} for typesetting the \texttt{tugboat.bst}, which was re leased in 2018, it’s fine to use \texttt{plain} or \texttt{abbrv}. If you do have it, though, you may enjoy the following small but useful features:} for typesetting the \texttt{METAfont} logo. (If this package is not present by some mischance, \texttt{ltugboat} will emulate its important feature.)

An additional canonically-recommended package is \texttt{url1.sty} \footnote{An additional canonically-recommended package is \texttt{url1.sty}, which was released in 2018, it’s fine to use \texttt{plain} or \texttt{abbrv}. If you do have it, though, you may enjoy the following small but useful features:} for typesetting filenames, email addresses, urls, etc.; it is being used throughout the present paper (not least in the bibliography), either on its own or via \texttt{hyperref}.

Although not necessarily recommended in all cases, many additional packages are commonly used. To mention a few:

\texttt{microtype} can help reduce overfull boxes and improve appearance;
\texttt{lmodern} use the Latin Modern fonts, sometimes preferable;
\texttt{hyperref} supports live and internal hyperlinks, outlines, and many other features.

12 Typesetting urls

As mentioned above, please load either \texttt{url} or (preferably) \texttt{hyperref} so that reasonable line breaking of urls can happen.

Furthermore, for the printed (visible) TUGboat page, nowadays we typically omit a leading \texttt{http://} or \texttt{https://}. But for the link to actually work in the output PDF or HTML, the protocol is required (or it appears to be a local filesystem path). Therefore the \texttt{ltugboat} class provides (as of version 2.23, released March 2020) commands \texttt{\url{tbsurl}} for \texttt{https} and \texttt{\url{tbhurl}} for \texttt{http}.

For example, \texttt{\url{tbsurl(tug.org)}} typesets the text ‘tug.org’ (with the usual url line breaks) as a link to \texttt{https://tug.org}.

Similarly, \texttt{\url{tbhurl(mirror.ctan.org)}} typesets the text ‘mirror.ctan.org’ as a link to \texttt{http://mirror.ctan.org}.

\texttt{\url{tbsurl}} and \texttt{\url{tbhurl}} only add the protocol and make live links if \texttt{hyperref} is loaded. Without \texttt{hyperref}, they are merely synonyms for \texttt{\url{url}}. This is ok, and we still request that the protocol not be included; if live links are not being produced in the output, the printed url without the protocol suffices. (When a user copies/pastes url text into a browser, it will normally work.)

For \texttt{ftp}, \texttt{rsync}, and other protocols, it is best to include them explicitly and use \texttt{\url{ftp://tug.org}}, \texttt{\url{ftp://tug.org}}, etc.

12.1 Url shortcuts

Another aspect of urls: the \TeX\ web server supports a shortcut url mechanism, \texttt{tug.org/1/(ident)}, where \texttt{(ident)} can be any tag, similar to \texttt{tinyurl.com} and similar sites. The idea is that \texttt{tug.org} shortcuts can be used in TUGboat articles needing to link to excessively long and/or unstable web resources; then we update the shortcut if needed, and not worry that a commercial shortcut provider will disappear.

The only way to create a \texttt{tug.org/1/} shortcut is by request, which we are happy to receive.

13 Bibliography

In short: our basic recommendation for handling bibliographies is to use Bib\TeX\ and the \texttt{tugboat} bibliography style. No document options are needed or recommended. All that is required in the article source (as in the template available from \texttt{tug.org/TUGboat}) is the following:

\texttt{\bibliographystyle{tugboat}}
\texttt{\bibliography{yourbibfile}}

If you don’t have \texttt{tugboat.bst}, which was released in 2018, it’s fine to use \texttt{plain} or \texttt{abbrv}. If you do have it, though, you may enjoy the following small but useful features:
• It is based on abbrvurl.bst (see ctan.org/pkg/urlbst),
• and thus supports url and doi fields, among others. Please use url instead of putting urls in the note field, where possible. Also, please don’t bother to include “access date” information for TUGboat; we find that extraneous.
• The url field is ignored if either the howpublished or doi field is present. In practice we observe that people put the same information in all those fields, and we don’t want to typeset redundant information.
• Does even more abbreviating than abbrv, such as printing only two author names (plus “et al.”) if there are more than four authors (thanks to Mico Loretaan and Oren Patashnik).
• New field bookauthor for the @incollection and @inproceedings allows for citing a part, written by author X, of a publication written by author Y, and not just edited by Y.
• Defines an @online entry type as an alias for @misc.
• Defines an @ctan entry type to reference packages on CTAN, following the fields output by the ctanbib script (in the package of the same name, ctan.org/pkg/ctanbib).
• For completeness only: tugboat.bst provides editor-intended fields newpage to force a page break after the current item, urlnewline to force a line break before the url value, and journaltie to output a tie instead of space after the journal value. As editors, we’ve found that these presentation tweaks can be desirable for the final typeset output. Authors need not worry about them.

If you use BiBTeX, feel free to take advantage of the accumulated bibliography of TUGboat itself (info/tugboat.bib on CTAN), and the other compilations by Nelson Beebe in that same directory.

By the way, we recommending using commas to terminate all fields in .bib files, including the last one in an entry. That makes it one less thing to worry about when changing fields around in the source.

Bibliographies can be difficult to typeset at the best of times. \LaTeX sets \texttt{sloppy} when typesetting the bibliography, but this typically leads to unpleasant output with TUGboat’s narrow columns. The author can specify typesetting parameters using the command \texttt{\SetBibJustification}. The classes remain \texttt{sloppy} by default, but the author may (for example) say:
\begin{verbatim}
\SetBibJustification{\raggedright}
\end{verbatim}
as the present article does, to often achieve somewhat better results.

A last note for references: for TUGboat issues, please use the format volno:issno, e.g., “TUGboat 32:1” for volume 32, number 1.

### 13.1 Non-recommended bibliography facilities

The preceding gives the bibliography recommendations for current TUGboat articles. If, for whatever reason, you do not wish to follow those recommendations, this section is about some of the myriad historical and other possibilities.

Notwithstanding that general recommendation for the tugboat (falling back to plain) BiBTeX style, TUGboat’s Harvard-style citation support may be selected by specifying \texttt{harvardcite} as an option of the \texttt{documentclass} command.\footnote{The macros used derive rather directly from the ‘harvard’ styles written by Glenn Faulkner and later maintained by Peter Williams; the BiBTeX style derives from one developed by Patrick Daly.} If your article demands Harvard-style citations, you may prefer to load natbib or similar instead of using TUGboat’s facilities; that’s fine.

This basic citation format is ‘author(s), year’, but the macros are capable of many variations. This in turn places somewhat of a load on the author to use the correct citation macro. The macros available are shown in figure 2; the figure assumes an entry in the bibliography with authors Tom, Dick, and Harry, and with a 1990 date.

\begin{figure}[h]
\centering
\begin{tabular}{ll}
\texttt{Macro} & \texttt{Output} \\
\texttt{\cite{key}} & (Tom, Dick, and Harry, 1990) \\
\texttt{\citeA{key}} & (Tom, Dick, and Harry) \\
\texttt{\citeNP{key}} & Tom, Dick, and Harry, 1990 \\
\texttt{\citeANP{key}} & Tom, Dick, and Harry \\
\texttt{\citeN{key}} & Tom, Dick, and Harry (1990) \\
\texttt{\shortcite{key}} & (Tom et al., 1990) \texttt{[also has A and ANP variants]} \\
\texttt{\citeyear{key}} & (1990) \texttt{[also has an ANP variant]} \\
\end{tabular}
\caption{The range of citations in \texttt{harvard} style}
\end{figure}

Note that, if Tom, Dick, and Harry are a prolific team, there can easily be more than one reference to their work in one year. In such a case, the citations will be (Tom, Dick, and Harry, 1990a), (Tom, Dick, and Harry, 1990b), and so on. These extra ‘a’, ‘b’, etc., tags may also appear in the references section of the paper, attached to the year recorded for the reference: whether this indeed happens is controlled...
by the extralabel and noextralabel class options. The default state (option extralabel) attaches the extra characters.

As for \LaTeX: we don’t recommend it for \texttt{TUGboat}. If you feel you must use it, that is ok, but we may still change it to using the default \LaTeX{} and \LaTeX{} facilities in processing for publication if the output from \LaTeX{} is problematic, as we have often seen it to be.

14 Equivalences between the ‘plain’ and \LaTeX{} \texttt{TUGboat} packages

A good proportion of the commands in the ‘plain’ packages also appear (with the same meaning) in the \LaTeX{} classes. Figure 3 gives a brief summary of where the macros differ significantly.

<table>
<thead>
<tr>
<th>Plain macro</th>
<th>\LaTeX{} macro</th>
</tr>
</thead>
<tbody>
<tr>
<td>\texttt{\head}</td>
<td>\texttt{\section}</td>
</tr>
<tr>
<td>\texttt{\subhead}</td>
<td>\texttt{\subsection}</td>
</tr>
<tr>
<td>\texttt{\subsubhead}</td>
<td>\texttt{\subsubsection}</td>
</tr>
<tr>
<td>\texttt{\list}</td>
<td>\texttt{itemize, enumerate, etc., environments}</td>
</tr>
<tr>
<td>\texttt{\verbatim}</td>
<td>\texttt{verbatim} or \texttt{\verb}</td>
</tr>
<tr>
<td>\texttt{\figure}</td>
<td>\texttt{figure} or \texttt{figure*} environments</td>
</tr>
</tbody>
</table>

\textbf{Figure 3}: Equivalences between plain and \LaTeX{} \texttt{TUGboat} macros

\LaTeX{} itself makes comprehensive provision for lists; the \texttt{TUGboat} classes make no attempt to emulate the list facilities of the ‘plain’ macros.

The ‘plain’ styles’ provision for verbatim text is also somewhat different from the \LaTeX{} approach; the \texttt{TUGboat} classes offer a small subset of the extra facilities that the ‘plain’ styles provide; for more elaborate facilities, the user is referred to the \texttt{verbatim}, listings, and \texttt{fancyvrb} packages (see section 8).

Of course, the syntax of commands given to the \LaTeX{} classes is different (as discussed in section 5); arguments are (almost always) enclosed in braces instead of the various forms provided by the ‘plain’ macros.

\textbf{References}

[1] D. Arseneau. The \texttt{url} package. \texttt{ctan.org/pkg/url}


[5] U. Vieth. The \texttt{mflogo} package. \texttt{ctan.org/pkg/mflogo}


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