

Example *TUGboat* article

First Last

Abstract

Please write an abstract. Please use only standard \LaTeX and *TUGboat* macros in the abstract, not article-specific abbreviations or other macros; that helps us make the web pages. Please avoid bibliography references in the abstract.

1 Introduction

This is an example article for *TUGboat*, linked from <https://tug.org/TUGboat/location.html>.

2 Basic packages and hyperlinks

The standard `graphicx` and `xcolor` packages work fine for image and color handling, respectively, as does the `hyperref` package for active urls. *TUGboat* is produced using PDF files exclusively, but conversion from DVI is fine and supported.

Please use `\tburl` for urls, as in:

```
\tburl{some/url}           % yes
\tburl{https://some/ftp/url} % yes
\tburl{ftp://some/ftp/url}  % yes
```

For *TUGboat*, we prefer not to print the ‘`https://`’, but to include the protocol in other cases. The `\tburl` macro takes care of all cases (when `hyperref` is loaded). It’s also fine to just use `\url`.

In any case, please do *not* hide hyperlinks via `\href`, as in:

```
\href{https://some/url}{some text} % no!
```

When printed on physical paper, the url will not be visible; indeed, readers will not know it exists.

3 Abbreviation macros

The `ltugboat` class provides many abbreviation commands; here are a few of the most common:

```
\AllTeX \AMS
\BibTeX \Cplusplus \CTAN
\DVI
\HTML \LaTeXe
\MacOSX \MathML \MF
\PDF \PS
\TUB \TUG \tug
\WEB
\XeLaTeX \XeTeX \XML
```

```
\Dash % em-dash with our spacing
\slash % breakable /
```

```
\acro{FRED} -> {\small[er] FRED} % please use
\cs{fred}   -> \fred
\meta{fred} -> <fred>
\titleref{Book of Fred}
```

A column-width figure, made with `\begin{figure}`.

Figure 1: Caption for column-width figure.

4 Figures

For *TUGboat*, the standard `figure` environment produces a column-width figure; this is desirable when at all possible. The `figure*` environment produces a full-width (across both columns) figure when needed. Analogously for `table` and `table*`.

Please put captions below figures, but above tables. That’s our convention.

Don’t worry overmuch about figure placement, as this will likely change with any edits.

5 References

For references to other issues of *TUGboat*, please use the format *volno:issno*, e.g., “*TUGboat* 32:1” for volume 32, number 1.

The primary *TUGboat* style documentation is the `ltugguid` document at ctan.org/pkg/tugboat. For general CTAN package references, we recommend the form just shown, using `/pkg/`; if you need to refer to a specific file on CTAN, use:
`https://mirror.ctan.org/path`

We recommend using `BIBTeX` (but don’t require it), with the `tugboat` `BIBTeX` style. The `biblio` directory on CTAN, ctan.org/pkg/biblio, provides files `tugboat.bib` with an essentially complete bibliography of *TUGboat*, and `texbook3.bib` with many \TeX -related citations, along with many others. Both of these (and many more) should also already be in a non-minimal \TeX distribution.

Email tugboat@tug.org with any problems or questions.

References

- [1] D.E. Knuth. *Seminumerical Algorithms*. Addison-Wesley, 1981.

```
◇ First Last
  Street Address
  Town, Postal
  Country
  user (at) example dot org
  https://example.org/~user/
```

A full-width figure, made with `\begin{figure*}`.

Figure 2: Caption for full-width figure.