

goose-article: customized L^AT_EX-article

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Abstract

`goose-article` is a customized class designed for scientific articles. The usage is similar to the default `article`-class while the class takes care of formatting.

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1 Preamble

1.1 Introduction

By default most of the standard L^AT_EX-packages are loaded. Any of these packages can be re-loaded, with other defaults, without problems. In addition the title, the authors and their affiliations, contact information, and optionally a header should be specified; see below.

1.2 Load class

To load the class use

```
\documentclass{goose-article}
```

To use customized fonts, the documents has to be compiled using XeLaTeX. For example:

```
%!TEX program = XeLaTeX
\documentclass[garamond]{goose-article}
```

The following fonts are available:

- `garamond`
- `times`
- `verdana`

Furthermore the following options are available

- **narrow:** widen the margins of the page, useful during the review process;
- **doublespacing:** set the line-spacing to double, useful during the review process.

1.3 Title, authors, and headers

- The *title* is specified using

```
\title{...}
```

- The *author(s)* and their *affiliation(s)* are formatted using the `authblk`-package. The interface of this package is retained. Basically there are two ways to specify authors and affiliations. If there is a single affiliation:

```
\author{...}
\author{...}
\affil{...}
```

To account for multiple affiliations, identifiers such as number can be used:

```
\author[1]{...}
\author[1,2]{...}
\affil[1]{...}
\affil[1,2]{...}
```

Note that a new line can be forced by using `\n1`. The default `\\` does not work in the `authblk`-package.

- Contact information is displayed below the affiliations using

```
\contact{...}
```

- The upper-header (opposite to the page number) can be specified using

```
\header{...}
```

- Additionally one could decide to change the author of the PDF-document

```
\hypersetup{pdfauthor={...}}
```

2 Document layout

The basic document layout is as follows

```
%!TEX program = xelatex
\documentclass[options]{goose-article}

\title{...}

\author{...}

...

\begin{document}

  \maketitle

  \begin{abstract}
    ...
  \end{abstract}

  \keywords{...}

  ...

\end{document}
```

which is pretty self-explanatory.

3 Citations

Citations and references are handled using **natbib**. To cite use

```
\citep{...} (or \cite{...})  
\citet{...}
```

The former only inserted a citation as number. For example (?). The latter also includes the name(s) of the author(s). For example ?.

The bibliography information is stored in a **bib**-file, which is included using

```
\bibliography{...}
```

This command creates a section “References” with the bibliography in order of appearance.

Note that a large part of the formatting of Bib_T_EX depends on the formatting of the **bib**-file. A Python-script **bibparse** is available to automatically clean-up the formatting of the **bib**-file. An updated **unsrtnat.bst** is available that includes the **eprint** field.