

The HEP-TITLE package*

Extensions for the title page

Jan Hajer[†]

2024/11/01

Abstract

The HEP-TITLE package extends the title macros of the standard classes with macros for a preprint, affiliation, editors, and endorsers.

To use the HEP-TITLE package include it with `\usepackage{hep-title}`.

Most macros are intended for the use in the preamble. They are implemented using the TITLING [1] and AUTHBLK [2] packages.

1 Macros

If the HYPERREF package is loaded the portable document format meta information is set according to the `\title{text}` and `\author{text}` information.

1.1 Title

`\series` The `\series{series}` places a series title above the usual title generated via `\title{title}`. The `\title` `\subtitle{subtitle}` macro places a subtitle below the usual title. The fonts and their size can be adjusted using the `\seriesfont{font}`, `\titlefont{font}`, and `\subtitlefont{font}` macros.

`\seriesfont`

`\titlefont`

`\subtitlefont`

1.2 Authors

In order to facilitate multiple authors with different affiliations the AUTHBLK package [2] is extended. The author macro is extended to take a affiliation label `\author[label]{name}`. The affiliation macro takes the corresponding label `\affiliation[label]{institution}`. Additionally, the `\email{email}` macro places a link containing the email in typewrite font into a footnote. The fonts can be adjusted using the `\authorfont{font}` and `\affiliationfont{font}` macros. The following lines add e.g. two authors with different affiliations

```
\author[affil1]{Author one \email{email one}}
\affiliation[affil1]{Affiliation one}
\author[affil2]{Author two \email{email two}}
\affiliation[affil1,affil2]{Affiliation two}
```

Additionally the `\editor[label]{name}` and `\endorser[label]{name}` macros are provided that act similar to the `\author[label]{name}` macros but place their content in a dedicated line. Their font can be adjusted by the `\editorfont{font}` and `\endorserfont{font}`.

The titles of these lines can be adjusted using the `\editortitle{singular}{plural}`

`\endorserfont`

`\editortitle`

`\endorsertitle`

`\editortitlefont`

`\endorsertitlefont`

*This document corresponds to HEP-TITLE v1.3.

[†]jan.hajer@tecnico.ulisboa.pt

and `\endortitle{singular}{plural}` macros. Their font can be adjust with the `\editortitlefont{font}` and `\endortitlefont{font}`.

1.3 Abstract

`abstract` (*env.*) The `abstract` environment is adjusted to not start with an indentation. The `abstract*` environment takes care of placing the title as well. This is used in `twocolumn` documents if the abstract should span both columns.

1.4 Preprint

`\preprint` The `\preprint{numer}` macro places a pre-print number in the upper right corner of the title page. The `\preprintfont` macro can be used to change the font of the preprint.

References

- [1] P. R. Wilson. ‘The `titling` package: Control over the typesetting of the `\maketitle` command’ (2000). CTAN: `titling`.
- [2] P. W. Daly. ‘A \LaTeX Package to Prepare Author and Affiliation Blocks: Support for footnote style author/affiliation’ (2001). CTAN: `authblk`.