

The `shorttoc` package

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Abstract

This package¹ allows you to create another table of contents, with a different depth. This could be useful in large documents where a detailed table of contents should be accompanied by a shorter one, giving only a general overview of the main topics in the document. You can also insert the table of contents of another document.

1 The `shorttoc` package

`\shorttableofcontents` This package defines the `\shorttableofcontents` macro, which is used as follows:

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`\shorttableofcontents{title}{depth}`

where *title* will be the title of this table of contents and *depth* its “depth”, with the meaning of the `tocdepth` counter.

`\shorttoc` As this macro has a too long name, `\shorttoc` is a synonym, with the same syntax.

`\anothertableofcontents` This macro allows you to display the table of contents of an another document, or its list of figures or list of tables. Its use is:

`\anothertableofcontents[suffix]{document}{title}{depth}`

where *suffix* is `.toc` by default (table of contents), *document* is the base name of the other document whose table of contents (or its list of figures or list of tables, if you give another *suffix*). *title* and *depth* have the same meaning as for `\shorttableofcontents`.

`\anothertoc` As this macro has a too long name, `\anothertoc` is a synonym, with the same syntax.

1.1 Options

The available package options are `loose` (default) and `tight`. `tight` reduces the amount of vertical space between the lines of the short table of contents.

1.2 Important note

This package *does not create* the `.toc` file; this file must be created by a classical `\tableofcontents` command, or by something similar. You must place the `\shorttableofcontents` (or `\shorttoc`) command *before* the `\tableofcontents` (or equivalent) command. If you do not respect the right sequence, the short table of contents will be empty (just its title).

This restriction does not apply to `\anothertableofcontents` and `\anothertoc` macros, but, of course, the files `.toc` (or other) for the other document must be available.

2 Implementation

```
1 (*package)
```

`\@startshorttoc` First, we declare the `\@startshorttoc` macro, like `\@starttoc`, but without creating the `.toc` file:

```
2 \def\@startshorttoc#1{\bgroup
3 \makeatletter
4 \@input{\jobname.#1}%
5 \global\@nobreakfalse \egroup}
```

The macro `\sht@startshorttoc` is similar, but has a second argument to specify another document.

```
6 \def\sht@startshorttoc#1#2{\bgroup
7 \makeatletter
8 \@input{#2.#1}%
9 \global\@nobreakfalse \egroup}
```

`\if@tightstoc` Then a flag for the tight/loose options:

```
10 \newif\if@tightstoc \@tightstocfalse
```

`\shorttableofcontents` Then the user interface macro is copied from `\tableofcontents`, but with arguments and processing of the depth:

```
11 \def\shorttableofcontents#1#2{\bgroup\c@tocdepth=#2\@restonecolfalse
12 \if@tightstoc
13 \parsep\z@
14 \fi
15 \if@twocolumn\@restonecoltrue\onecolumn\fi
16 \@ifundefined{chapter}%
17 {\section*{#1}
18 \mkboth{\uppercase{#1}}{\uppercase{#1}}}%
19 {\chapter*{#1}
20 \mkboth{\uppercase{#1}}{\uppercase{#1}}}%
21 \@startshorttoc{toc}\if@restonecol\twocolumn\fi\egroup}
```

`\anothertableofcontents` This macro is analog, but using another input file and with arguments for suffix and name of the other document:

```
22 \newcommand{\anothertableofcontents}[4][toc]{\bgroup\c@tocdepth=#4\@restonecolfalse
23 \if@tightstoc
24 \parsep\z@
25 \fi
26 \if@twocolumn\@restonecoltrue\onecolumn\fi
27 \@ifundefined{chapter}%
28 {\section*{#3}
29 \mkboth{\uppercase{#3}}{\uppercase{#3}}}%
30 {\chapter*{#3}
31 \mkboth{\uppercase{#3}}{\uppercase{#3}}}%
32 \sht@startshorttoc{#1}{#2}\if@restonecol\twocolumn\fi\egroup}
```

`\shorttoc` Let us define shorter synonyms:

```
33 \let\shorttoc\shorttableofcontents
34 \let\anothertoc\anothertableofcontents
```

And declare the options:

```
35     \DeclareOption{tight}{\@tightstoctrue}
36     \DeclareOption{loose}{\@tightstocfalse}
37     \ExecuteOptions{loose}
38     \ProcessOptions*
```