
The bookest class

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The `bookest` class is an extension of the standard `book` class, on which it relies and that is loaded with the default options.

The extensions provided by the class involve:

1. colors;
2. document layout;
3. headings and footers;
4. title page layout;
5. ...

The `bookest` web page is <http://tex.boris-web.net/bookest>.

1. Colors

`bookest` requires the `color` and the `pdfcolmk`¹ packages to provide color support to the document.

Specifically, colors `A` and `B` are defined: they will be used in the definition of the sectioning commands and in coloring of some text elements — e.g. the `footnote` rules or the list labels in `itemize`, `enumerate` e `description`.

The default document is black and white, the user can anyway define the colors according to his taste by using the commands listed in 1.1.

`bookest` provides some preset color combinations that can be activated with the corresponding class options listed in 1.2. For these options to be used the `hyperref` package is required, as `link` and `anchor` colors (`color A`) and `citation color` (`color B`) are set.

1.1 Commands

`\colorA`, `\colorB`, `\black` declare the colors used by the class (`A` and `B` empty by default and user-definable, plus `black`);

`\setcolorA{<R> <G> }`, `\setcolorB{<R> <G> }` specify color `A` and `B` in RGB format;

`\SETcolorA{<command>}`, `\SETcolorB{<command>}` redefine the commands `\colorA` and `\colorB` in `<command>`;

¹This package, reported by Massimiliano Dominici (C_UIT), allows to bypass some of the limitations that `pdfTeX` has up to version 1.30, mainly the unsupported *colorstack*. Currently the package is loaded by default, but as soon as the main distributions (MiKTeX, TeX_{live}, ...) will have `pdfTeX` version 1.40 this package will be removed from the class.

1.2 Options

noitemcolor cancels the list coloration in `itemize`, `enumerate` and `description`;

blue, **green**, **red** are generic color themes;

guitegreen is a color theme using the colors of the Gruppo Utilizzatori Italiani di T_EX (G_UIT).

sssupcolor1, **sssupcolor2**, **sssupcolor3** are color themes using the colors of the Scuola Superiore Sant’Anna logo;

enscblue is a color theme using the colors of the École Normale Supérieure de Cachan logo.

2. Document layout

`bookest` provides options to control:

- `doubleside` (inherits that ones of `book`);
- margins;
- line spacing;
- paragraph indentation and spacing.

Moreover, `bookest` provides two commands to insert an image or a text as shipout picture.

2.1 Options

oneside, **twoside** toggles duplex options (default: `twoside`);

centered sets page margins (2.5 cm horizontal, 3 cm above and below) — requires the `geometry` package;

left5mm sets page margins allowing 5 mm for binding (3 cm left, 2 cm right and 3 cm above and below) requires the `geometry` package;

left8mm sets page margins allowing 8 mm for binding (3.3 cm left, 1.7 cm right and 3 cm above and below) — requires the `geometry` package;

onehalfspacing line spacing to 1.5 — requires the `setspace` package;

doublespacing line spacing to 2 — requires the `setspace` package;

noparindent sets paragraph indentation to 0;

noparskip sets paragraph spacing to 0.

2.2 Commands

`\shipouttext{<rot>}{<sc>}{<text>}` puts in every page the text `<text>` as shipout picture, rotating it counterclockwise by `<rot>` degrees and applying a scale factor `<sc>`. The default color is gray 5% — requires the `setspace` package — requires the `everyshi` and `color` packages;

`\shipoutimage{<options>}{<file>}` puts in everypage the image `<file>` as shipout picture, using `<options>` as `\includegraphics` options — requires the `everyshi` and `graphicx` packages.

3. Headings and footers

`bookest` provides commands to allow the user to set easily headings and footers. Moreover it provides a default setting that is different from `book`².

It also redefines chapter headings and the `plain` style to include colors.

3.1 Commands

`\setoddhead`, `\setevenhead` define odd and even page headings;

`\oddheadtext` is the text to be used in odd page headings (default: `{\colorA{ \slshape\rightmark}\hfill\the`

`\evenheadtext` is the text to be used in even page headings (default in the `oneside` case: `\oddheadtext`; in the `twoside` case: `{\colorA\thepage\hfill\slshape\leftmark}}`);

`\setoddheadtext`, `\setevenheadtext` set the text in `\oddheadtext` e `\evenheadtext`;

`\setoddfoot`, `\setevenfoot` define odd and even page footers;

`\oddfoottext`, `\evenfoottext` is the text to be used in odd and even page headings (default: (default: empty);

`\setoddfoottext`, `\setevenfoottext` set the text in `\oddfoottext` e `\evenfoottext`;

`\setleftmark`, `\setrightmark` sets the text in `\leftmark` e `\rightmark`;

`\makeheadrule` defines the horizontal rule in headings (default: `{\colorB\hrule \@width \textwidth \@height 0.4pt \vskip-0.4pt}}`);

`\makefootrule` defines the horizontal rule in headings (default: `\makeheadrule`);

4. Title page layout

`bookest` provides commands to allow the user to customize easily the title page of his document, especially starting from preset layouts that can be activated by the options in 4.2.

The default layout has author and title centered at top of the page and to the bottom of the page is a footer made by the content of `\titlingpageprefooter` and of `\titlingpagefooter` divided by a horizontal line. Between title and footer is the content of `\titlingpagemiddle`.

The different options allow to vary the logo position; for each option `<optlogo>` in 4.2 there exists a variant `<optlogo>-nofooter` where no footer is present.

4.1 Commands

`\inslogo{<file>}` inserts the image `<file>` with `\includegraphics` options previously defined and used for the logo (default: `width=0.6\paperwidth`);

`\setlogooptions{<options>}` defines `<options>` as the `\includegraphics` options to be used by `\inslogo`;

`\logo`, `\leftlogo`, `\rightlogo` are the path (relative or absolute) of the image to be used as logo depending on the chosen options (default for `\logo` is the relative path `logo`, default for the others is `\logo`);

`\setlogo{<path>}`, `\setleftlogo{<path>}`, `\setrightlogo{<path>}` set to `<path>` the content of `\logo`, `\leftlogo`, `\rightlogo`;

`\titlingpagemiddle` is the text to be put in the middle of the *titling page*;

²To use the default `book` styles one has to simply use the command `\pagestyle{<style>}`.

`\settittlingpagemiddle` sets the text in `\tittlingpagemiddle`;
`\tittlingpageprefooter` is the text to be put before the footer in the *tittling page*;
`\settittlingpageprefooter` sets the text in `\tittlingpageprefooter`;
`\tittlingpagefooter` is the text to be used as footer in the *tittling page* (default: `\today`);
`\settittlingpagefooter` sets the text in `\tittlingpagefooter`;
`\settittlingpagetitle` defines the format of the title in the *tittling page*;
`\tittling` inserts the *tittling page*.

4.2 Options

`nofooter` variant without footer of the default layout;
`logo, logo-nofooter` adds to the default layout the logo in `\logo` under the title (and matching `nofooter` variant) — requires the `graphicx` package;
`logo-bg, logo-bg-nofooter` adds to the default layout the logo in `\logo` in the background (and matching `nofooter` variant) — requires the `graphicx` and the `eso-pic` packages;
`logo-topl, logo-topl-nofooter` adds to the default layout the logo in `\leftlogo` at top left of the page before the title (and matching `nofooter` variant) — requires the `graphicx` package;
`logo-topc, logo-topc-nofooter` adds to the default layout the logo in `\logo` at top center of the page before the title (and matching `nofooter` variant) — requires the `graphicx` package;
`logo-topr, logo-topr-nofooter` adds to the default layout the logo in `\rightlogo` at top right of the page before the title (and matching `nofooter` variant) — requires the `graphicx` package;
`logo-toplr, logo-toplr-nofooter` adds to the default layout the logo in `\leftlogo` at top left of the page and `\rightlogo` at top right of the page before the title (and matching `nofooter` variant) — requires the `graphicx` package;

5. Miscellanea

`bookest` provides also other little shortcuts, which can be useful when using the class and that are hereby listed:

5.1 Commands

`\setbibname{<name>}` renames the bibliography title to `<name>`;
`\setcontentsname{<name>}` renames the contents title to `<name>`;
`\ppar` inserts a vertical space of `1.5ex` — useful for example with the `noparskip` option;
`\dimstleftskip` sets `\leftskip` to `1cm`;
`\UCase` provides the command `\MakeUppercase`, that is instead redefined as a null command to make heading and footer commands more flexible;
`\epigraph{<text1>}{<text2>}{<environment>}{<1>}` makes an epigraph, where `<text1>` is divided from `<text2>` by a horizontal line of color `B`. The epigraph has length `<1>` and is contained in the environment `<environment>`.

5.2 Environments

abstract is an environment of width `0.9\textwidth`, with a parameter `<title>` to be written in bold series before the text contained in the environment;

dimst is an environment where the text is in `slshape` and with 1 cm extra for the left margin.

6. Contacts

For comments, suggestions or bug reports, you can contact me at the address *bresciani@sssup.it*.