The bookest class

Version 1.0.4 — May 22, 2007
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March 20, 2008: WARNING This document is out of date, the newest features are documented only in the Italian version of this document.

The bookest class in 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 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 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

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

\footnote{This package, reported by Massimiliano Dominici (GU), 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, teTeX, ...) will have pdftex versione 1.40 this package will be removed from the class.}
\setcolorA{<R> <G> <B>}, \setcolorB{<R> <G> <B>} specify color A and B in RGB format;
\SETcolorA{<command>}, \SETcolorB{<command>} redefine the commands \colorA and \colorB
in <command>;

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

blue, green, red are generic color themes;
guitgreen is a color theme using the colors of the Gruppo Utilizzatori Italiani di TeX (GvI).
sssupcolor1, sssupcolor2, sssupcolor3 are color themes using the colors of the Scuola Superiore Sant’Anna logo;
eneschblue is a color theme using the colors of the École Normale Supérieure de Cachan logo.

2. Document layout
bookest provides options to control:
• doubleside (inherets 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
\( \text{\texttt{\textbackslash shipout\{text\}}} \) puts in every page the text \texttt{\textbackslash text} as shipout picture, rotating it counterclockwise by \texttt{\textbackslash rot} degrees and applying a scale factor \texttt{\textbackslash sc}. The default color is gray 5\% — requires the \texttt{setspace} package — requires the \texttt{everyshi} and \texttt{color} packages;
\( \text{\texttt{\textbackslash shipout\{options\}\{file\}}} \) puts in every page the image \texttt{\textbackslash file} as shipout picture, using \texttt{\textbackslash options} as \texttt{\textbackslash includegraphics\ options} — requires the \texttt{everyshi} and \texttt{graphicx} packages.

3. Headings and footers
\texttt{bookest} provides commands to allow the user to set easily headings and footers. Moreover it provides a default setting that is different from \texttt{book}.

It also redefines chapter headings and the \texttt{plain} style to include colors.

3.1 Commands
\texttt{\textbackslash setoddhead, \textbackslash setevenhead} define odd and even page headings;
\texttt{\textbackslash oddheadtext} is the text to be used in odd page headings (default: \texttt{\textbackslash colorA \textbackslash shtext \textbackslash rightmark \textbackslash hfill \textbackslash thepage});
\texttt{\textbackslash evenheadtext} is the text to be used in even page headings (default in the \texttt{oneside} case: \texttt{\textbackslash oddheadtext}; in the \texttt{twoside} case: \texttt{\textbackslash oddheadtext});
\texttt{\textbackslash setoddheadtext, \textbackslash setevenheadtext} set the text in \texttt{\textbackslash oddheadtext e \textbackslash evenheadtext};
\texttt{\textbackslash setoddfoot, \textbackslash setevenfoot} define odd and even page footers;
\texttt{\textbackslash oddfoottext, \textbackslash evenfoottext} is the text to be used in odd and even page footers (default: \texttt{\textbackslash oddfoottext});
\texttt{\textbackslash setoddfoottext, \textbackslash setevenfoottext} set the text in \texttt{\textbackslash oddfoottext e \textbackslash evenfoottext};
\texttt{\textbackslash setleftmark, \textbackslash setrightmark} sets the text in \texttt{\textbackslash leftmark e \textbackslash rightmark};
\texttt{\textbackslash makeheadrule} defines the horizontal rule in headings (default: \texttt{\textbackslash makeheadrule});
\texttt{\textbackslash makefootrule} defines the horizontal rule in headings (default: \texttt{\textbackslash makeheadrule});

4. Title page layout
\texttt{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 \texttt{\textbackslash titlingpage\prefooter} and of \texttt{\textbackslash titlingpage\footer} divided by a horizontal line. Between title and footer is the content of \texttt{\textbackslash titlingpagemiddle}.

The different options allow to vary the logo position; for each option \texttt{\textbackslash optlogo} in 4.2 there exists a variant \texttt{\textbackslash optlogo\-nofooter} where no footer is present.

\footnote{To use the default \texttt{book} styles one has to simply use the command \texttt{\textbackslash pagestyle\{style\}}.}
4.1 Commands
\texttt{\textbackslash inslogo\{<file>\}} inserts the image \texttt{<file>} with \texttt{\includegraphics} options previously defined and used for the logo (default: width=0.6\texttt{\paperwidth});

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

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

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

\texttt{\titlingpagemiddle} is the text to be put in the middle of the \textit{titling page};

\texttt{\settitingpagemiddle} sets the text in \texttt{\titlingpagemiddle};

\texttt{\titlingpageprefooter} is the text to be put before the footer in the \textit{titling page};

\texttt{\settitingpageprefooter} sets the text in \texttt{\titlingpageprefooter};

\texttt{\titlingpagefooter} is the text to be used as footer in the \textit{titling page} (default: \texttt{\today});

\texttt{\settitingpagefooter} sets the text in \texttt{\titlingpagefooter};

\texttt{\settitingpagetitle} defines the format of the title in the \textit{titling page};

\texttt{\titling} inserts the \textit{titling page}.

4.2 Options
\texttt{\nofooter} variant without footer of the default layout;

\texttt{\logo, \logo-nofooter} adds to the default layout the logo in \texttt{\logo} under the title (and matching \texttt{\nofooter} variant) — requires the \texttt{graphicx} package;

\texttt{\logo-bg, \logo-bg-nofooter} adds to the default layout the logo in \texttt{\logo} in the background (and matching \texttt{\nofooter} variant) — requires the \texttt{graphicx} and the \texttt{eso-pic} packages;

\texttt{\logo-topl, \logo-topl-nofooter} adds to the default layout the logo in \texttt{\leftlogo} at top left of the page before the title (and matching \texttt{\nofooter} variant) — requires the \texttt{graphicx} package;

\texttt{\logo-topc, \logo-topc-nofooter} adds to the default layout the logo in \texttt{\logo} at top center of the page before the title (and matching \texttt{\nofooter} variant) — requires the \texttt{graphicx} package;

\texttt{\logo-topr, \logo-topr-nofooter} adds to the default layout the logo in \texttt{\rightlogo} at top left of the page before the title (and matching \texttt{\nofooter} variant) — requires the \texttt{graphicx} package;

\texttt{\logo-toplr, \logo-toplr-nofooter} adds to the default layout the logo in \texttt{\leftlogo} at top left of the page and \texttt{\rightlogo} at top right of the page before the title (and matching \texttt{\nofooter} variant) — requires the \texttt{graphicx} package;

5. Miscellanea
\texttt{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>}{<l>} makes an epigraph, where <text1> is divided from <text2> by a horizontal line of color B. The epigraph has length <l> 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.