The **skrapport** document class*†

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Version 0.10c

Abstract   A document class intended for simple documents *e.g.* reports handed in to courses and such. It is small, straightforwars and heavily inspired by the PracTEX Journal style.

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*Available on http://www.ctan.org/pkg/skbundle.
†Development version available on https://github.com/urdh/skrapport.

1 Documentation

1.1 Loading the class

The document class is loaded using \documentclass as usual, but it has a bunch of options that you might want to know about.

1.1.1 Compatibility options

There are a couple of options that are mostly provided for compatibility with the standard LaTeX 2_ε document classes. These will do exactly the same thing they do in the standard classes, although they may differ in default value. Although some of these are key-value options, for compatibility their valid values may also be passed as keys.

paper   a4paper, a5paper   (a4paper)

Specifying paper size is possible using the paper option (the values of which are based on European paper sizes; use the geometry package for other standards). Only A4 and A5 are defined since these two sizes cover pretty much all intended use of the class. a4paper is the default value of this option, and the only other valid value is a5paper.

ptsize   10pt, 11pt, 12pt   (11pt)

The same font sizes specified in the standard classes are also available in skrapport (*i.e.* 10pt, 11pt and 12pt. The default font size is 11pt, and there should be no compelling reason to change this.

draft   The draft and final options work as expected, triggering or untriggering the familiar draft mode. The default is final.

final

fleqn   Purely for compatibility skrapport also defines the fleqn and leqno

leqno   options. As with the standard LaTeX 2_ε classes, fleqn aligns equations with the left-hand margin and leqno places equation numbers to the left. None of these are activated by default.

1.1.2 Typographic options

There is also a number of options available to change certain aspects of the typography of the typeset document.

titles   rm, bf, sf   (rm)

There are three different ways to typeset section headings in skrapport: `rm` (upright serif), `bf` (boldfaced serif) and `sf` (sans serif). The default is `rm`.

font   `nofont, lmodern, palatino, kpfonts`   *(kpfonts)*

In addition, the specific font can also be changed — the available choices are `lmodern` (Latin Modern), `kpfonts` (Kp-Fonts) and `palatino` (either TeX-Gyre Pagella or Pazo Math depending on what's available), with the default being `kpfonts`. It is also possible to tell skrapport not to use any font (`nofont`), which is sometimes useful when using X∃LATEX, among other things.

indent   Controlling indentation is posible using the options `(no)indent`. The
noindent   default, `noindent`, behaves much like the `parskip` package in that it replaces paragraph indentation with vertical spacing.

onecolumn   Similar to the options available in the standard classes, these options
twocolumn   specify wether to typeset the document in one or two columns. Unlike the standard classes, the two-column mode is implemented using multicol. The default is `onecolumn`.

1.1.3 Other options

swe   Either babel or polyglossia (depending on engine) is loaded by the
eng   package. These options specify what language should be used as the main language (swedish or english); both languages are always loaded. The default is `swe`.

color   It is also possible to load xcolor inside the package. If this is done, a
nocolor   range of color themes (discussed later) will be available in the package and these will affect the document. The default value is `nocolor`.

math   Loading the skmath package is recommended and as such it is loaded
nomath   by default. If this for some reason is undesirable, the `nomath` option will supress this behaviour.

1.2 Macros and environments

In general, the class defines the same macros as the article class, and adds a few. Only the novel ones are described here, as the inherited ones should behave identically.

1.2.1 Front-matter and metadata

`\license` {⟨*license*⟩}

  The `\license` macro specifies the name of a license under which the document is available. This will be typeset on the lower right corner of the title page.

`\regarding` {⟨*text*⟩}

  The class adds a `\regarding` macro, which is used like the standard `\author` and `\title` macros and should be given an accurate but short description of the purpose of the report (i.e. course name or similar). This is printed along with the date on the top of the title/first page.

`\author` [⟨*email*⟩]{⟨*author*⟩}

  The `\author` macro is redefined in two ways. To begin with, the macro now acceps an optional argument specifying the email address of the author. If the macro is used multiple times, authors are appended to the list of author names displayed by `\maketitle`.

`\maketitle`

  The title page (or rather, block) has been refashioned to mimic the PracTeX Journal style. This means a fairly compact block, starting with a line of text containing the date and subject matter, followed by a large skip and then the title, author and optionally an abstract set ragged-right and fairly close together.

1.2.2 Useful macros

The class defines a few additional macros that aren't available in article but don't fit in any specifiv 'set' of features. These include commands to typeset comments.

`\comment`	`*{⟨comment⟩}`
`\com`	`*{⟨comment⟩}`
`\note`	`*{⟨comment⟩}`

The `\comment` macro (also available in an unstarred variant) typesets a comment. The starred variant typesets the commen in red prefixed by the word 'Comment', while the unstarred variant typesets the comment as a margin note (but still prefixed). The `\com` and `\note` macros are aliases of `\comment`.

1.2.3 Two-column mode

`\begin{onecol}`
  `⟨content⟩`
`\end{onecol}`

In `twocolumn` mode, the package defines an environment `onecol` which typesets its contents in a single column. Additionally, it redefines `figure` and `table` as non-floats, leaving the starred versions intact.

1.2.4 Color themes

`\colortheme` `{⟨theme⟩}`

If the package is loaded with the `color` option, changing the color theme is possible using `\colortheme`, which loads an appropriate package. At the moment, four color themes are available.

default The default theme is fairly conservative, only coloring hyperef links with more readable, slightly darker colors than the standard ones. It should print well even on non-color printers.

unscathed The unscathed theme is based on a palette with the same name on COLOURlovers[1], and applies a dark brown color to emphasized text, a rusty color to links, a darker rust color to titles and a lighter brown to quotes.

cruelwater The cruelwater theme is also based on a palette from COLOURlovers[2], and applies a dark blue color to bold text and captions, a slightly less

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[1] http://www.colourlovers.com/palette/1440498/unscathed
[2] http://www.colourlovers.com/palette/126030/Cruel_Water_at_Night

dark blue to titles and emphasized text, a light gray color to small print and a darker gray to quotes.

violet   The violet theme, like unscathed and cruelwater, is based on a COLOURlovers palette[3]. It colors all links bright purple, applies a dark puple color to titles, bold text and captions, a grayish purple to small print, a dark brown color to quotes and a pastel violet color to emphasized text.

1.3 Additional information

The document class includes a number of packages by default. This is useful to know, since passing explicit options to these packages will require you to utilize the \PassOptionsToPackage macro before you load the class using \documentclass. Table 1 lists the packages included by skrapport along with their options (if applicable).

2 Known issues

A list of current issues is available in the Github repository of this package[4], but as of the release of v0.10c, there are no known issues:

If you discover any bugs in this package, please report them to the issue tracker in the skrapport Github repository.

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[3] http://www.colourlovers.com/palette/1831303/Violet_White_Bedrm
[4] https://github.com/urdh/skrapport/issues

Table 1: *User-level packages included by skrapport.*

Package	Options	Comments
amsmath	`intlimits`	Provides $\mathcal{AMS}$ commands and environments.
amssymb		Only if not using `kpfonts`.
babel	see options `swe` and `eng`	Only loaded if *not* using X⅃TEX.
calc		
fontenc	`T1`	Only loaded if *not* using X⅃TEX. Makes sure we are using a good font encoding for crisp appearance on-screen (OT1 is horrible).
fontspec	`quiet`	Only loaded if using X⅃TEX. Provides basic OTF font selection commands.
geometry	`a4paper` or `a5paper`	This is used by the `paper` option to set the paper area.
icomma		
microtype		Provides micro-typographic improvements.
multicol		Only loaded with the `twocolumn` option.
polyglossia	see options `swe` and `eng`	Only loaded if using X⅃TEX.
skmath		Only if it exists and `nomath` isn't set.
textcomp		Only if not using `kpfonts`.
xcolor		Only loaded with the `color` option.

3 Changes

v0.01

General: Initial version.

v0.03

General: Removed \rd and \id.

v0.04

General: Added microtype package.

v0.05

General: Improved documentation.

v0.06

General: Corrected cheksum, further improved documentation.

v0.07

General: Various bugfixes, X$_\exists$L^{A}T$_E$X compatibility, better float settings, quote style fix, `intlimits` option to amsmath.

v0.07a

General: Fixed kpfonts issues.

v0.09

General: Introduced kvoptions, fixed abstract in twocolumn mode.

v0.10

General: Include skmath if exists and wanted. Gobble optional arguments to `figure` and `table` in two-column mode..

v0.10a

General: Include xparse (fixes breakage)..

4 Index

Numbers written in boldface refer to the page where the corresponding entry is described; numbers underlined refer to the page were the implementation of the corresponding entry is discussed. Numbers in roman refer to other mentions of the entry.

5 Bibliography

Caignaert, Christophe (2010). 'KP-Fonts 3.31'. In: url: `http://www.tex.ac.uk/tex-archive/fonts/kpfonts/doc/kpfonts.pdf`.