The **ctext** class*

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Abstract

This class provides quite sophisticated adjustments to `memoir`, mainly front matter restyling (see `~/AlphabetClasses/examples/ctext.pdf`), as well as small improvements to section titles and other small adjustments, mostly font-related. Its main purpose is to be used for typesetting most of my homework for University (e.g. title-page-only documents for handwritten papers). For usage for fictional typesetting, see my `dtext` class.

1 Introduction

`ctext` mainly adjusts the `\maketitle` command to look a bit more modern with a boldfaced sans-serif font and general left-adjustment to document attributes defined in its preamble. It also introduces some new attribute-defining commands, whose values are integrated in the titlepage.

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*This document corresponds to `ctext` v2.5

2 Development & Support

The package is developed at *GitHub*:

3 Dependencies

`ctext` imports a few packages:

1. `inputenc`, Alan Jeffrey (inactive), Frank Mittelbach, The LaTeX Team, https://www.ctan.org/pkg/inputenc

2. `babel`, 2012–2017 Javier Bezos and Johannes L. Braams, 1989–2012 Johannes Braams, https://www.ctan.org/pkg/babel

3. `titlesec`, 1998–2011 Javier Bezos, https://www.ctan.org/pkg/titlesec

4. `enumitem`, 2003–2009 Javier Bezos, https://www.ctan.org/pkg/enumitem

5. `graphicx`, 1995–2015 David Carlisle, 1994 David Carlisle, Sebastian Rahtz, https://www.ctan.org/pkg/graphicx

6. `hyperref`, Heiko Oberdiek, Sebastian Rahtz, https://www.ctan.org/pkg/hyperref

7. `tocloft`, Will Robertson, Peter R. Wilson (inactive), https://www.ctan.org/pkg/tocloft

8. `float`, Anselm Lingnau, https://www.ctan.org/pkg/float

9. `ifthen`, Leslie Lamport (inactive), David Carlisle, The LaTeX Team, https://www.ctan.org/pkg/ifthen

10. `translations`, Clemens Niederberger, https://www.ctan.org/pkg/translations

11. `lmodern`, Janusz Marian Nowacki, Bogusław Jackowski, http://www.ctan.org/tex-archive/fonts/lm/

12. `csquotes`, Philipp Lehman (inactive), Joseph Wright, http://www.ctan.org/pkg/csquotes

13. `fancyhdr`, Piet van Oostrum, http://www.ctan.org/pkg/fancyhdr

4 Options

Since `ctext` inherits most of its optional arguments from `memoir`, you MAY use every argument provided by `memoir`. There are no further defined options in `ctext`. `ctext` passes all options to `memoir`.

```
1 ⟨*package⟩

2 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{memoir}}
3 \ProcessOptions \relax
4 \LoadClass[a4paper]{memoir}
```

5 Definition

```
5 \DeclareTranslationFallback{abgabe}{Abgabe}
6 \DeclareTranslation{German}{abgabe}{Abgabe}
7 \DeclareTranslation{English}{abgabe}{Due date}
8 \DeclareTranslationFallback{gruppe}{Gruppe}
9 \DeclareTranslation{German}{gruppe}{Gruppe}
10 \DeclareTranslation{English}{gruppe}{Group}
11 \DeclareTranslationFallback{toc}{Inhaltsverzeichnis}
12 \DeclareTranslation{German}{toc}{Inhaltsverzeichnis}
13 \DeclareTranslation{English}{toc}{Table of Contents}
14 \DeclareTranslationFallback{tof}{Abbildungsverzeichnis}
15 \DeclareTranslation{German}{tof}{Abbildungsverzeichnis}
16 \DeclareTranslation{English}{tof}{Table of Figures}
```

These declarations tell `translation` to insert a given translation for the user-defined language. If `translations` is unable to determine the language, it automatically falls back to german.

The inserted translation snippets are used in hooks for the titlepage.

```
17 \setlrmarginsandblock{1in}{1in}{*}
18 \setulmarginsandblock{1in}{1in}{*}
19 \checkandfixthelayout
```

Defines the general margins of the A4 document for `memoir`.

```
20 \newcommand{\headingstyle}[1]{\renewcommand{\@headingstyling}{#1}}
21 \newcommand{\@headingstyling}{\sffamily\bfseries}
```

Introduces a style macro for adjusting the style of chapter, section & subsection headings

```
22 \titleformat{\chapter}{\LARGE\@headingstyling}{\ \thechapter}{0.5em}{}
23 \titleformat{\section}{\Large\@headingstyling}{\ \thesection}{0.5em}{}
24 \titleformat{\subsection}{\large\@headingstyling}{\ \thesubsection}{0.5em}{}
```

Uses `titlesec` to make section etc. use the sans-serif theme and append the counter rather than prepending it to the title.

```
25 \let\ocite\cite
26 \renewcommand{\cite}[1]{\textsuperscript{\ocite{#1}}}
```

Overrrides the definition of `\cite` to instead cite in superscript (e.g. Wikipedia Citing Style)

```
27 \counterwithin{figure}{section}
28 \counterwithin{table}{section}
29 \counterwithout{section}{chapter}
```

Adjusts counters of figures and tables to be based on the current pointer of the section.

```
30 \setlength{\parindent}{0pt}
31 \setlength{\parskip}{0.6em}
```

Some adjustments to paragraph styling.

```
32 \renewcommand{\arraystretch}{1.2}
```

Adds a little more padding to tables.

6 Commands

\group ctext features some fancy additions to the default titlepage attributes. Both com-
\team mands work quite identical, with the first command prepending a translation of
"'Group'" and the second command prepending a "'Team'" in front of the specified
argument and printing it into the header of the titlepage.

\subtitle   The \subtitle command adds, obviously, a subtitle, appended directly under
the default title.

\@datehook   \@datehook gets prepended to the \@date macro in title generation.

Because dates, in form of a default timestamp or a due date, as in deadline,
a hook to the default \@date macro has to specified. Since \@date defaults to
\today if not given in the preamble, there does not have to be any further speci-
fication or renewal of the \date macro.

\hasDeadline   If the boolean flag command \hasDeadline is set in the preamble, a translation
of "'Due date'" is set to be the hook for the date.

\and   Since \and is defined in the memoir class (and article class) to be centered,
which does not fit the general design of the cTEXT class title page, it has to be
redefined.

33 \renewcommand{\and}{\end{tabular}\\ \begin{tabular}[t]{@{}l}}

\maketitle   The real magic happens in \maketitle where most of the stylistic changes are
made. Title and subtitle are printed sans-serif, if both a subtitle and a not-empty
date are supplied, a separator is printed in between and both are printed inline
and the list of authors is appended. The whole titling section gets flushed left and
the page style is reset to plain.

34 \renewcommand\maketitle{%
35 \thispagestyle{fancy}%
36 \null%
37 \vskip 30\p@%
38 \pagestyle{plain}%
39 \begin{flushleft}%
40   {\LARGE\@headingstyling\@title\par\vspace{0.2em}\normalsize \@subtitle\ifthenelse{\isempty{\@
41   \vskip 1.5em%
42   {\small%
43   \lineskip .75em%
44   \begin{tabular}[t]{@{}l}%
45   \@author%
46   \end{tabular}\!\!\!\@thankshook\par}%
47 \end{flushleft}\par%%
48 \vspace{2em}%
49 \renewcommand{\headrulewidth}{0pt}%
50 \setcounter{footnote}{0}%
51 }

52 ⟨/package⟩