

The `ctext` class*

Alexander Bartolomey
E-mail: occloxiium@gmail.com

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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.

*This document corresponds to `ctext` v2.0

2 Development & Support

The package is developed at *GitHub*:

<https://github.com/occlonium/AlphabetClasses/ctext>

3 Dependencies

`ctext` imports a few packages:

1. `inputenc`, Alan Jeffrey (inactive), Frank Mittelbach, The L^AT_EX 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 L^AT_EX 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 \pagestyle{plain}
```

Defaults the page style to plain, only showing the page number centered on the bottom of each page (with some exceptions to the titlepage).

```
21 \titleformat{\chapter}{\sffamily\LARGE\bfseries}{\ \thechapter}{0.5em}{}
22 \titleformat{\section}{\sffamily\Large\bfseries}{\ \thesection}{0.5em}{}
23 \titleformat{\subsection}{\sffamily\large\bfseries}{\ \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.

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

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

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

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

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

Some adjustments to paragraph styling.

```
31 \renewcommand{\arraystretch}{1.2}
```

Adds a little more padding to tables.

6 Commands

<code>\group</code>	<code>c</code> text features some fancy additions to the default titlepage attributes. Both commands 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.
<code>\team</code>	
<code>\subtitle</code>	The <code>\subtitle</code> command adds, obviously, a subtitle, appended directly under the default title.
<code>\@datehook</code>	<code>\@datehook</code> gets prepended to the <code>\@date</code> macro in title generation. Because dates, in form of a default timestamp or a due date, as in deadline, a hook to the default <code>\@date</code> macro has to be specified. Since <code>\@date</code> defaults to <code>\today</code> if not given in the preamble, there does not have to be any further specification or renewal of the <code>\date</code> macro.
<code>\hasDeadline</code>	If the boolean flag command <code>\hasDeadline</code> is set in the preamble, a translation of "Due date" is set to be the hook for the date.
<code>\and</code>	Since <code>\and</code> is defined in the memoir class (and article class) to be centered, which does not fit the general design of the C _{TEXT} class title page, it has to be redefined. <pre>32 \renewcommand{\and}{\end{tabular}}\ \begin{tabular}[t]{@{}l}}</pre>
<code>\maketitle</code>	The real magic happens in <code>\maketitle</code> 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. <pre>33 \renewcommand\maketitle{ 34 \thispagestyle{fancy} 35 \null 36 \vskip 30\p@ 37 \begin{flushleft}% 38 {\LARGE\sffamily\bfseries\@title\par\vspace{0.2em}\normalsize% 39 \@subtitle\ifthenelse{\equal{\@subtitle}{}}{}% 40 \OR% 41 \equal{\@date}{}}{ }{ }% 42 \@datehook\@date\par% 43 }% 44 \vskip 1.5em% 45 {\small 46 \lineskip .75em% 47 \begin{tabular}[t]{@{}l}% 48 \@author 49 \end{tabular}\par}% 50 \end{flushleft}\par 51 \@thanks 52 \vspace{2em} 53 \pagestyle{plain} 54 \renewcommand{\headrulewidth}{0pt}}</pre>

```
55 \setcounter{footnote}{0}  
56 }  
57 \end{package}
```