The HC Bundle for LaTeX 2_ε v1.07

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Contents

1 Introduction

The HC Bundle for LaTeX 2$_\varepsilon$ provides the following four classes as replacement for the LaTeX default classes:

hcart.cls: substitute for the `article` class,
based upon the `scrartcl` class from the KoMa-Script bundle;

hcreport.cls: substitute for the `report` class,
based upon the `scrreprt` class from the KoMa-Script bundle;

hcletter.cls: substitute for the `letter` class,
based upon the `scrlettr` class from the KoMa-Script bundle;

hcslides.cls: substitute for the `slides` class,
based upon the `seminar` class.

```
⟨*hcart⟩
\newcommand{\thisclass}{hcart}
\newcommand{\superclass}{scrartcl}
⟨/hcart⟩
⟨*hcletter⟩
\newcommand{\thisclass}{hcletter}
\newcommand{\superclass}{scrlettr}
⟨/hcletter⟩
⟨*hcreport⟩
\newcommand{\thisclass}{hcreport}
\newcommand{\superclass}{scrreprt}
⟨/hcreport⟩
⟨*hcslides⟩
\newcommand{\thisclass}{hcslides}
\newcommand{\superclass}{seminar}
⟨/hcslides⟩
```

2 Options

2.1 General Options

german
english

Loads a language. Default is English. At the moment no other languages are supported. Requires the `babel` package.

```
⟨*class⟩
\newif\if@german
\@germanfalse
```

```
\newif\if@deflang
\@deflangtrue
\DeclareOption{german}{\@deflangfalse\@germantrue
  \PassOptionsToPackage{ngerman}{babel}
  \PassOptionsToPackage{german}{fancyref}
  \AtEndOfClass{\input{german.hld}}}
\DeclareOption{english}{\@deflangfalse
  \PassOptionsToPackage{\CurrentOption}{babel}}
```

a4paper
letterpaper

Use the DIN A4 (default) or the letter paper format? At the moment no other paper formats are supported.

```
\newif\if@defpaper
\@defpapertrue
\DeclareOption{a4paper}{
⟨hcart | hcletter | hcreport⟩ \PassOptionsToClass{\CurrentOption}{\superclass}
⟨hcslides⟩ \PassOptionsToClass{a4}{\superclass}
\PassOptionsToPackage{\CurrentOption}{hyperref}
\@defpaperfalse}
\DeclareOption{letterpaper}{
⟨hcart | hcletter | hcreport⟩ \PassOptionsToClass{\CurrentOption}{\superclass}
\PassOptionsToPackage{\CurrentOption}{hyperref}
\@defpaperfalse}
```

palatino
nopalatino

Use the Palatino or the Standard TEX font? Palatino is default (requires the `palatino` and the `mathpple` packages).

```
\newif\if@palatino
\@palatinotrue
\DeclareOption{palatino}{\@palatinotrue}
\DeclareOption{nopalatino}{\@palatinofalse}
```

ding

Provide some fancy lists and symbols using the Dingbat symbols (requires the `pifont` style of the `psnfss` package)?

```
\newif\if@ding
\@dingfalse
\DeclareOption{ding}{\@dingtrue}
```

euro
noeuro

Provide the Euro symbol € (default, requires the `eurofont` package)?

```
\newif\if@euro
\@eurotrue
\DeclareOption{euro}{\@eurotrue}
\DeclareOption{noeuro}{\@eurofalse}
```

fancyref
nofancyref

Provide fancy reference commands (default, requires the `fancyref` and the `varioref` packages)?

```
\newif\if@fancyref
\@fancyreftrue
\DeclareOption{fancyref}{\@fancyreftrue}
\DeclareOption{nofancyref}{\@fancyreffalse}
```

html
nohtml

Provide HTML commands (default, requires the `html` package bundled with LaTeX2HTML)?

```
\newif\if@html
\@htmltrue
\DeclareOption{html}{\@htmltrue}
\DeclareOption{nohtml}{\@htmlfalse}
```
⟨/class⟩

2.2 Options for the hcart and hcreport classes

headsepline
headnosepline

Draw a horizontal line below the header line (default)?

⟨*hcart | hcreport⟩
```
\newif\if@defhsl
\@defhsltrue
\DeclareOption{headsepline}{\PassOptionsToClass
{\CurrentOption}{\superclass}\@defhslfalse}
\DeclareOption{headnosepline}{\PassOptionsToClass
{\CurrentOption}{\superclass}\@defhslfalse}
```

onecolumn
twocolumn

Set the text in one or two columns (default is one)?

```
\DeclareOption{onecolumn}{\PassOptionsToClass
{\CurrentOption}{\superclass}}
\DeclareOption{twocolumn}{\PassOptionsToClass
{\CurrentOption}{\superclass}}
```

hcarea
hcnoarea

Set the default area to 240mm $\times$ 150mm (default)? Otherwise, the default value from the `scrartcl` resp. `scrreprt` classes is used if you do not set the area manually (e.g. with the `\areaset` command).

```
\newif\if@hcarea
\@hcareatrue
\DeclareOption{hcarea}{\@hcareatrue}
\DeclareOption{hcnoarea}{\@hcareafalse}
```

hcfootnotes
hcnofootnotes

Nicer formatting of footnotes (default)?

```
\newif\if@hcfootnotes
\@hcfootnotestrue
\DeclareOption{hcfootnotes}{\@hcfootnotestrue}
\DeclareOption{hcnofootnotes}{\@hcfootnotesfalse}
```

magazine

Provide commands for magazine or newspaper articles? This sets the `html` option too.

```
\newif\if@magazine
\@magazinefalse
\DeclareOption{magazine}{\@magazinetrue\@htmltrue}
```

parskip

Skip paragraphs instead of indenting them?

```
\newif\if@parskip
\@parskipfalse
\DeclareOption{parskip}{\@parskiptrue}
```

wide

Use a wide line distance (ca. 1.5)?

```
\newif\if@wide
\@widefalse
\DeclareOption{wide}{\@widetrue}
```
⟨/hcart | hcreport⟩

2.3 Options for the hcart, hcreport and hcletter classes

10pt
11pt
12pt

Use a font size of 10, 11, or 12 (default) points?

⟨∗hcart | hcreport | hcletter⟩
```
\newif\if@defsize
\@defsizetrue
\DeclareOption{10pt}{\PassOptionsToClass{\CurrentOption}{\superclass}
\@defsizefalse}
\DeclareOption{11pt}{\PassOptionsToClass{\CurrentOption}{\superclass}
\@defsizefalse}
\DeclareOption{12pt}{\PassOptionsToClass{\CurrentOption}{\superclass}
\@defsizefalse}
```
⟨/hcart | hcreport | hcletter⟩

2.4 Options for the hcart, hcreport and hcslides classes

bib
nobib

Use BIBTEX?

⟨∗hcart | hcreport | hcslides⟩
```
\newif\if@bib
\@bibfalse
\DeclareOption{bib}{\@bibtrue}
\DeclareOption{nobib}{\@bibfalse}
```

fnbib
autbib
numbib

BIBTEX references are written in footnotes (default) or in author-year or in numerical style. These options set the `bib` option too.

```
\newif\if@fnbib
\@fnbibtrue
\newif\if@autbib
\@autbibfalse
\newif\if@numbib
\@numbibfalse
\DeclareOption{fnbib}{\@fnbibtrue\@autbibfalse\@numbibfalse\@bibtrue}
\DeclareOption{autbib}{\@fnbibfalse\@autbibtrue\@numbibfalse\@bibtrue}
\DeclareOption{numbib}{\@fnbibfalse\@autbibfalse\@numbibtrue\@bibtrue}
```

htmlbib
nohtmlbib

Use the `html` package for online references with BIBTEX (default)? This loads the `html` option too.

```
\newif\if@htmlbib
\@htmlbibtrue
\DeclareOption{htmlbib}{\@htmlbibtrue\@htmltrue}
\DeclareOption{nohtmlbib}{\@htmlbibfalse}
```

paper

Provide formatting and commands for a scientific paper? This sets the `bib` and `html` options too.

```
\newif\if@paper
\@paperfalse
\DeclareOption{paper}{\@papertrue\@bibtrue\@htmltrue}
```

pdf
nopdf

Prepare file for the PDF format? This loads the `hyperref` package. This option is set automagically by running `pdflatex`.

```
\newif\if@pdf
\ifx\pdfoutput\undefined
  \@pdffalse
\else
  \@pdftrue
\fi
\DeclareOption{pdf}{\@pdftrue}
\DeclareOption{nopdf}{\@pdffalse}
```

⟨/hcart | hcreport | hcslides⟩

2.5 Options for the hcreport class

openany
openright

Start new chapters always on a right page (not by default)?

```
⟨*hcreport⟩
\DeclareOption{openany}
  {\PassOptionsToClass{\CurrentOption}{\superclass}}
\DeclareOption{openright}
  {\PassOptionsToClass{\CurrentOption}{\superclass}}
⟨/hcreport⟩
```

2.6 Options for the hcslides class

twotoc
onetoc

Print table of contents in two columns (requires the `multicol` package)?

```
⟨*hcslides⟩
\newif\if@twotoc
\@twotocfalse
\DeclareOption{twotoc}{\@twotoctrue}
\DeclareOption{onetoc}{\@twotocfalse}
⟨/hcslides⟩
```

2.7 Other Options

Other options are ignored.

```
⟨*class⟩
\DeclareOption*{\ClassWarning{\thisclass}%
   {Unknown Option: '\CurrentOption'}%
}
```

Options not implemented:

scrartcl, scrlettr, scrreprt: paper sizes except a4 and letter (a5paper, b5paper, legalpaper, executivepaper ...); oneside, twoside;

scrartcl, scrreprt: DIV. . . , DIVcalc, DIVclassic, BCOR; headinclude, headexclude, footinclude, footexclude; footsepline, footnosepline; bigheadings, normalheadings, smallheadings; pointednumbers, pointlessnumbers; abstracton, abstractoff; titlepage, notitlepage; leqno, fleqn; openbib; portrait, landscape; draft, final; bibtotocnumbered;

scrlettr: orgdate; wlocfield, slocfield;

seminar: portrait, landscape; article, slidesonly, notes, notesonly; semlayer, semcolor.

3 Commands and Environments

3.1 Configuration

```
\defaulttitle{title}
\defaultauthor{author}
\defaultaddress{address}
\defaultemail{mail-address}
\defaulthomepage{website}
```

Used if no author information is specified. They are all empty by default. Renew them in one of the config files (see below).

```
\autdiv
```

Use instead of `\\` in `\defaultauthor`.

```
\autinfodiv
```

Use instead of `\\` in `\defaultaddress` etc.

```
\newcommand{\defaulttitle}{}
\newcommand{\defaultauthor}{}
\newcommand{\defaultaddress}{}
\newcommand{\defaultemail}{}
\newcommand{\defaulthomepage}{}
\newcommand{\currenttitle}{\defaulttitle}
\newcommand{\currentauthor}{\defaultauthor}
\newcommand{\autdiv}{\\[-0.4ex]\normalfont\Large}
\newcommand{\autinfodiv}{\\[-1ex]\normalfont\normalsize}
\ProcessOptions\relax
⟨/class⟩
⟨*hcart | hcreport⟩
\if@defhsl
  \PassOptionsToClass{headsepline}{\superclass}
\fi
```

The `twoside`, `pointlessnumbers`, `liststotoc`, `bibtotoc` and `idxtotoc` options are always used with the `hcart` and `hcreport` classes. The `hcletter` class always uses the `wlocfield` option.

```
\PassOptionsToClass{twoside,pointlessnumbers,liststotoc,
  bibtotoc,idxtotoc}{\superclass}
⟨/hcart | hcreport⟩
⟨hcletter⟩ \PassOptionsToClass{wlocfield}{\superclass}
⟨*hcart | hcreport | hcletter⟩
\if@defsize
```

```
    \PassOptionsToClass{12pt}{\superclass}
  \fi
  ⟨/hcart | hcreport | hcletter⟩
  ⟨*class⟩
  \if@deflang
    \PassOptionsToPackage{english}{babel}
  \fi
  \if@defpaper
  ⟨hcart | hcreport⟩  \PassOptionsToClass{a4paper}{\superclass}
  ⟨hcslides⟩  \PassOptionsToClass{a4}{\superclass}
    \PassOptionsToPackage{a4paper}{hyperref}
  \fi
  \LoadClass{\superclass}
```

The normal spacing is used after the end of a sentence.

```
  \sloppy
  \clubpenalty9999
  \@clubpenalty\clubpenalty
  \widowpenalty9999
  \displaywidowpenalty1000
  \brokenpenalty1000
  \frenchspacing
```

The modern font encoding (T1) and the latin1 input encoding are used (this requires the `T1` and `latin1` packages). The `ifthen`, the `babel` and the `xspace` packages are always used. The `bib` option loads the `natbib` package.

```
  ⟨hcart | hcreport | hcslides⟩ \RequirePackage{natbib}
  \RequirePackage[T1]{fontenc}
  \RequirePackage[latin1]{inputenc}
  \RequirePackage{ifthen}
  \RequirePackage{babel}
  \RequirePackage{xspace}
```

The config file `hc.cfg` is used by all classes. Every class also uses a config file with its own name, e.g. the hcart class uses `hcart.cfg`. The settings in `hc.cfg` may be overwritten by the class specific config files.

```
  \InputIfFileExists{hc.cfg}{%
    \ClassInfo{\thisclass}
      {Loading configuration file hc.cfg}}{%
    \ClassInfo{\thisclass}
      {Configuration file hc.cfg not found}}
  \InputIfFileExists{\thisclass.cfg}{%
    \ClassInfo{\thisclass}
      {Loading configuration file \thisclass.cfg}}{%
    \ClassInfo{\thisclass}
      {Configuration file \thisclass.cfg not found}}
```

3.2 General Commands and Environments

`\q{quote}`

<*quote*> is put into quotation marks. May be nested: A quote inside another quote uses inner quotation marks.

```
\newcommand{\nextstartq}{`}
\newcommand{\nextendq}{'}
\newcommand{\otherstartq}{``}
\newcommand{\otherendq}{''}
\newcommand{\tmpq}{}
\newcommand{\q}[1]{\nextstartq{}%
  \let\tmpq\nextstartq%
  \let\nextstartq\otherstartq%
  \let\otherstartq\tmpq%
  \let\tmpq\nextendq%
  \let\nextendq\otherendq%
  \let\otherendq\tmpq%
  #1%
  \let\tmpq\nextstartq%
  \let\nextstartq\otherstartq%
  \let\otherstartq\tmpq%
  \let\tmpq\nextendq%
  \let\nextendq\otherendq%
  \let\otherendq\tmpq%
  \nextendq{}%
}
```

`\hq{quote}`

<*quote*> is always put into inner (“half”) quotation marks.

```
\newcommand{\hq}[1]{``#1''}
```

`\fq{quote}`

<*quote*> is always put into outer (‘full’) quotation marks.

```
\newcommand{\fq}[1]{`#1'}
```

`\dash{text}`

<*text*> is put between dashes.

```
\newcommand{\dash}[1]{---#1---}
```

`\begin{flexlist}[`*separator*`]{`*longest-title*`}`

A list environment similar to the `description` environment. All items are indented by the width of <*longest-title*>. The default <*separator*> is ':'.

```
\newenvironment{flexlist}[2][:]
    {\begin{list}{}
      {\settowidth{\labelwidth}{\sffamily\bfseries #2#1 }
       \setlength{\leftmargin}{\labelwidth}
       \addtolength{\leftmargin}{\labelsep}
       \renewcommand{\makelabel}[1]
         {\sffamily\bfseries ##1#1 \hfill}}}
    {\end{list}}
```

`\begin{widedesc}[`*separator*`]`

A variation of the `flexlist` environment. All items are indented by the width of a date ('00.00.0000'). The default <*separator*> is ':'.

```
\newenvironment{widedesc}[1][:]
  {\begin{flexlist}[#1]{00.00.0000}}
  {\end{flexlist}}
```

`\pcent{`*value*`}`

Prints <*value*> followed by the percent symbol %.

```
\newcommand{\pcent}[1]{#1\,\%}
```

`\qdots`

Prints the scientific omission symbol [...].

```
\newcommand{\qdots}{\mbox{[\dots]}\xspace}
```

`\phyp`

Prints a (part of a) word in parenthesis, ended by a hypen, like (love-)letter.

```
\newcommand{\phyp}[1]
  {(#1\textormath{\leavevmode\hbox{-}}{-})\hskip\z@skip}
```

`\arrow`

Prints an arrow: $\rightarrow$.

```
\newcommand{\arrow}{\ensuremath{\rightarrow}\xspace}
```

```
\f
\ff
```

Print the abbreviations for ‘the following page(s)’ (‘f’ resp. ‘ff’ after a small space).

```
\newcommand{\f}{\,f}
\newcommand{\ff}{\,ff}
```

```
\distance
```

Starts a new un-indented paragraph following an empty line.

```
\newcommand{\distance}{\par\bigskip\noindent}
```

```
\stardistance
```

Starts a new un-indented paragraph following three centered stars.

```
\newcommand{\stardistance}
  {\par\bigskip{\centering *~~~*~~~*\par}\bigskip\noindent}
```

```
\linedistance
```

Starts a new un-indented paragraph following an horizontal rule.

```
\newcommand{\linedistance}{%
  \begin{center}
  \begin{tabular}{p{0.33\textwidth}}
  \hrule
  \end{tabular}
  \end{center}
  \medskip\noindent%
}
```

`\sig{`*name*`}`

Prints <*name*> as signature (flushright in italics).

```
\newcommand{\sig}[1]{\par{\raggedleft\emph{#1}\par}}
```

`\intro{`*text*`}`

<*text*> is centered in an extra paragraph, using a bold font. Followed by some space.

```
\newcommand{\intro}[1]{{\par\centering\textbf{#1}\par}
  \medskip\noindent\ignorespaces}
```

`\hint{`*text*`}`

<*text*> is centered in an extra paragraph, using a large font.

```
\newcommand{\hint}[1]{{\par\centering\LARGE #1\par}
  \noindent\ignorespaces}
```

`\cen{`*text*`}`

An alternative to the `center` environment using less space before and after.

```
\newcommand{\cen}[1]
  {{\par\centering #1\par}\noindent\ignorespaces}
```

`\marginbox{`*text*`}`

A text in a box, set out into the margin. Lines are divided by `\\`.

```
\newcommand{\marginbox}[1]%
  {\par\small\addvspace{4.5ex plus 1ex}%
   \vskip -\parskip
⟨hcart | hcletter | hcreport⟩    \noindent\hspace{-.75\leftmargini}%
⟨hcslides⟩    \noindent
    \begin{tabular}{|l|}\hline\ignorespaces
    #1
    \\\hline\end{tabular}\nobreak\par\nobreak
    \vspace{2.3ex}\vskip -\parskip\noindent\ignorespaces}
```

`\rightaddress`

Like the `\verse` environment, but moved to the right as far as possible. Lines are divided by `\\`.

```
\newcommand{\rightaddress}[1]{%
  \par\medskip
  {\raggedleft \begin{tabular}{l}\ignorespaces
  #1
  \end{tabular}
  \medskip\par}\noindent\ignorespaces%
}
```

`\shorttoday`

Prints the short form (YY/MM/DD) of the current date (`\today`).

```
\newcounter{shortyear}
\setcounter{shortyear}{\the\year}
\addtocounter{shortyear}{-1900}
\whiledo{\theshortyear>99}{\addtocounter{shortyear}{-100}}
```

```
\newcommand{\shorttoday}
  {\two@digits{\theshortyear}/\the\month/\the\day\xspace}
```

`\begin{dialog}`

An environment for dialogues and screenplay-like scenes. Use the `\newspeaker` command to make the persons you want to use in the dialogues.

```
\newenvironment{dialog}
  {\begin{flexlist}[\normalfont\emph{:}]{i}
     \setlength{\itemsep}{0ex}}
  {\end{flexlist}}
\makeatletter
```

`\newspeaker{`*command-name*`}{`*speaker's-name*`}`

Produces the command <*command-name*> to mark the speeches of <*speaker's-name*> in a dialogue. <*command-name*> must begin with a backslash, like all commands.
Then the command <*command-name*> may be called in a `dialog` environment as follows:
`command-name\oarg{optional-explanation}\arg{speech-contribution}`

```
\newcommand{\newspeaker}[2]{\newcommand{#1}[2][]
  {\item[\normalfont\emph{#2\ifthenelse{\equal{##1}{}}
     {}{ (##1)}}] ##2}}
```

`\enge{`*English text*`}{`*German text*`}`

Prints `{`*English text*`}`. With the `german` option, <*German text*> is printed instead.

```
\newcommand{\enge}[2]{#1}
```

Some language specific texts.

```
\newcommand{\versiontext}{Version date:}
\newcommand{\onlinetext}{Online:}
\newcommand{\accesstext}{Access date:}
\newcommand{\cftext}{cf.}
\newcommand{\bibvoltext}{of}
\newcommand{\bvtext}{vol.}
\newcommand{\bibdir}{Director }
\newcommand{\bibmovtext}{Movie}
\newcommand{\bibactorsbefore}{With}
\newcommand{\bibactorsafter}{et~al}
\newcommand{\noyear}{n.d.}
\newcommand{\noaddress}{n.p.}
\newcommand{\otherabstractname}{Zusammenfassung}
\newcommand{\keywordsname}{Keywords}
```

3.2.1 The palatino option

```
\if@palatino
  \RequirePackage{palatino}
  \RequirePackage{mathpple}
\fi
```

3.2.2 The ding option

```
\if@ding
   \RequirePackage{pifont}
```

`\tick`

Prints a tick.

```
\newcommand{\tick}{\ding{52}}
```

`\cross`

Prints a cross.

```
\newcommand{\cross}{\ding{56}}
```

`\checkbox`

Prints a checkbox.

```
\newcommand{\checkbox}{\ding{114}}
```

`\begin{ticklist}`

A item environment which uses a tick as label (e.g. for lists of do's).

```
\newenvironment{ticklist}
 {\begin{dinglist}{52}}{\end{dinglist}}
```

`\begin{crosslist}`

A item environment which uses a cross as label (e.g. for lists of don't).

```
\newenvironment{crosslist}
 {\begin{dinglist}{56}}{\end{dinglist}}
```

`\begin{checklist}`

A item environment which uses a checkbox as label (e.g. for check lists).

```
\newenvironment{checklist}
 {\begin{dinglist}{114}}{\end{dinglist}}
\fi
```

3.2.3 The euro option

`\E`

Prints the Euro symbol €.

`\Es{`*value*`}`

Prints the Euro symbol followed by <*value*>.

```
\if@euro
   \RequirePackage[right,notextcomp]{eurofont}
   \newcommand{\E}{\textsf{\makefakelighteuro}\xspace}
   \newcommand{\Es}[1]{\E\nobreak\,#1}
\fi
```

3.2.4 The fancyref option

Loads the `fancyref` package which provides the command `\fref{`*prefix:labelname*`}`. This prints not only the number, but also the type of a reference. The following prefixes (types) are recognized: `chap` (Chapter), `sec` (Section), `eq` (Equation), `fig` (Figure), `tab` (Table), `enum` (Enumeration), `fn` (Footnote). At the beginning of a sentence use `\Fref` instead, which gives upper-case output (in German documents there is no difference).

```
\if@fancyref
  \RequirePackage{fancyref}
\fi
```

`\see{`*reference*`}`

Prints 'see <*reference*>' in a footnote, using the `\fref` command to print <*reference*>.

```
\newcommand{\seetext}{see}
\newcommand{\see}[1]{\footnote{\seetext\ \fref{#1}}}
```

3.2.5 The html option

`\htlink{`*linked text*`}{`*url*`}`

Prints <*linked text*> followed by the <*url*>. With the `paper` option, a footnote is used. In the HTML version <*linked text*> becomes an active link to <*url*>.

`\hturl{`*url*`}`

Prints <*url*> nice and makes it an active link in the HTML version.

`\htmail{`*mail-adress*`}`

Prints <*mail-adress*> nice and makes it an active email link in the HTML version.

```
\if@html
⟨/class⟩
⟨*hcletter⟩
  \newcounter{part}
  \newcounter{section}
  \newcounter{subsection}
  \newcounter{subsubsection}
  \newcounter{paragraph}
  \newcommand{\part}{}
  \newcommand{\section}{}
  \newcommand{\subsection}{}
  \newcommand{\subsubsection}{}
  \newcommand{\paragraph}{}
  \newcommand{\subparagraph}{}
  \RequirePackage{html}
  \newcommand{\htlink}[2]
    {{\htmladdnormallink{#1 \texttt{<#2>}}{#2}}}
⟨/hcletter⟩
⟨*hcart | hcreport | hcslides⟩
  \RequirePackage{html}
  \if@paper
    \newcommand{\htlink}[2]
      {\htmladdnormallink{#1}{#2}%
       \footnote{\htmladdnormallink{\texttt{#2}}{#2}}}
  \else
    \newcommand{\htlink}[2]
      {{\htmladdnormallink{#1 \texttt{<#2>}}{#2}}}
  \fi
⟨/hcart | hcreport | hcslides⟩
⟨*class⟩
  \newcommand{\hturl}[1]
    {{\htmladdnormallink{\texttt{#1}}{#1}}}
  \newcommand{\htmail}[1]
    {{\htmladdnormallink{\texttt{#1}}{mailto:#1}}}
\fi
⟨/class⟩
```

3.3 Commands and Environments for the hcart and hcreport classes

The default depth of section numbering and table of contents is three. `headings` is the default page style. The page number is printed in the header line, the footer line is empty.

```
⟨*hcart | hcreport⟩
```

```
\setcounter{secnumdepth}{3}
\setcounter{tocdepth}{3}
\RequirePackage[breakwords]{truncate}
\newlength{\rightmarklength}
\def\ps@headings{\let\@mkboth\markboth
  \def\@evenhead{\vbox{\hsize=\textwidth
    \hb@xt@ \textwidth{%
    {\pnumfont\thepage\hfil\headfont\truncate{0.92\textwidth}%
      {\raggedleft\strut\leftmark}}}%
    \if@hsl \vskip 1.5\p@ \hrule \fi}}
  \def\@oddhead{\settowidth{\rightmarklength}{\rightmark}%
   \vbox{\hsize=\textwidth
    \hb@xt@ \textwidth{{\headfont\truncate{0.92\textwidth}%
      {\strut\ifthenelse{\lengthtest{\rightmarklength=0em}}%
       {\leftmark{}}{\rightmark{}}%
       \hfil}\hfil\pnumfont\thepage}}%
    \if@hsl \vskip 1.5\p@ \hrule \fi}}
  \def\@evenfoot{\vbox{\hsize=\textwidth
    \if@fsl \hrule \vskip 3\p@ \fi
    \hb@xt@ \textwidth{{\pnumfont\hfil}}}}%
  \def\@oddfoot{\vbox{\hsize=\textwidth
    \if@fsl \hrule \vskip 3\p@ \fi
    \hb@xt@ \textwidth{{\pnumfont\hfil}}}}%
⟨hcreport⟩  \def\chaptermark##1{%
⟨hcreport⟩   \markboth {\ifnum \c@secnumdepth >\m@ne
⟨hcreport⟩        \chaptermarkformat\fi
⟨hcreport⟩        ##1}{}}%
⟨hcreport⟩  \def\sectionmark##1{%
⟨hcreport⟩    \markright {\ifnum \c@secnumdepth >\z@
⟨hcreport⟩        \sectionmarkformat\fi
⟨hcreport⟩        ##1}}}
⟨hcart⟩  \def\sectionmark##1{%
⟨hcart⟩   \markboth {\ifnum \c@secnumdepth >\z@%
⟨hcart⟩    \sectionmarkformat\fi ##1}{}}
⟨hcart⟩  \def\subsectionmark##1{%
⟨hcart⟩   \markright {\ifnum \c@secnumdepth >\@ne%
⟨hcart⟩    \subsectionmarkformat\fi ##1}}}
\pagestyle{headings}
```

3.3.1 The hcarea option

```
\if@hcarea
  \RequirePackage{typearea}
  \areaset[15mm]{150mm}{240mm}
\fi
```

3.3.2 The hcfootnotes option

```
\if@hcfootnotes
  \deffootnote{1em}{0.5em}
    {\textsuperscript{\normalfont\thefootnotemark}\,}
\fi
```

3.3.3 The magazine option

`\articletitle{`*title*`}`

Prints the article <*title*>.

`\subjecttitle{`*subject*`}{`*title*`}`

Prints before the article <*title*> the <*subject*> in a smaller font.

`\titlesubject{`*title*`}{`*subject*`}`

Prints after the article <*title*> the <*subject*> in a smaller font.

`\articlesection{`*heading*`}`

Prints a heading within an article (actually, a `\subsection*`).

`\begin{art}[`*signature*`]{`*title*`}`

A magazine article set in two columns with a <*title*> (using `\articletitle`) and an optional <*signature*> (using `\sig`). Requires the `multicol` package.

`\begin{artsubtit}[`*signature*`]{`*subject*`}{`*title*`}`

Like the `art` environment, but uses `\subjecttitle` instead of `\articletitle`.

`\begin{arttitsub}[`*signature*`]{`*title*`}{`*subject*`}`

Like the `art` environment, but uses `\titlesubject` instead of `\articletitle`.

```
\if@magazine
  \RequirePackage{multicol}
  \newcommand{\articletitle}[1]
    {\addsec[#1]{\LARGE #1}}
  \newcommand{\subjecttitle}[2]
    {\addsec[#2]{{\large #1}\\{\LARGE #2}}}
  \newcommand{\titlesubject}[2]
    {\addsec[#1]{{\LARGE #1}\\{\large #2}}}
```

```
    \newcommand{\articlesection}[1]{\subsection*{#1}}
    \newcommand{\currentsig}{}
    \newenvironment{@art}[2][]{%
      \begin{multicols}{2}[#2]
      \renewcommand{\currentsig}{#1}%
    }{%
      \ifthenelse{\equal{\currentsig}{}}
        {}
        {\sig{\currentsig}}
      \end{multicols}%
    }
    \newenvironment{art}[2][]
      {\begin{@art}[#1]{\articletitle{#2}}}{\end{@art}}
    \newenvironment{artsubtit}[3][]
      {\begin{@art}[#1]{\subjecttitle{#2}{#3}}}{\end{@art}}
    \newenvironment{arttitsub}[3][]
      {\begin{@art}[#1]{\titlesubject{#2}{#3}}}{\end{@art}}
\fi
```

3.3.4 The parskip option

```
\if@parskip
  \setlength\parskip{\medskipamount}
  \setlength\parindent{0pt}
\fi
```

3.3.5 The wide option

```
\if@wide
  \linespread{1.3}
\fi
⟨/hcart | hcreport⟩
```

3.4 Commands and Environments for the hcart, hcreport and hcslides classes

3.4.1 The bib option

With the `fnbib` option (default), the `\cite` and `\citet` and `\cite` commands all work the same.

With the `autbib` option, `\cite` always works like `\citep`, i. e. puts the citation in brackets. Use `\citet` if you do not want this.

Commands like `\cite` should always be used *without* a space between them and the preceeding text.

```
⟨class⟩\newcommand{\bibliostyle}{hc-en}
⟨*hcart | hcreport | hcslides⟩
\if@bib
\if@fnbib
  \bibpunct[, ]{}{}{;}{a}{}{,}
```

```
  \renewcommand\NAT@cite%
    [3]{\footnote{\ifNAT@swa\NAT@@open\if*#2*\else#2\ \fi
        #1\if*#3*\else\NAT@cmt#3\fi\NAT@@close\else#1\fi}\endgroup}
  \let\@cite\NAT@cite
\fi
\if@autbib
  \bibpunct[, ]{ [}{]}{;}{a}{}{,}
  \let\cite\citep
\fi
\if@numbib
   \bibpunct[, ]{ [}{]}{;}{n}{}{,}
\fi
```

\cfcite[*pages*]{*source*}

Shortcut for \cite[*cf.*][*pages*]{*source*}.

```
\newcommand{\cfcite}[2][]{\cite[\cftext][#1]{#2}}
```

\biblio[*style*]{*bib files*}

Writes the bibliography. <*bib files*> is a comma-separated list of bib files, <*style*> the BibTeX style file (by default hc-en for English documents).

```
⟨hcart | hcslides⟩\if@paper
⟨hcart | hcslides⟩   \newcommand{\beforebiblio}{\newpage}
⟨hcart | hcslides⟩\else
⟨hcart | hcslides⟩   \newcommand{\beforebiblio}{\vfill}
⟨hcart | hcslides⟩\fi
\newcommand{\biblio}[2][\bibliostyle]{%
⟨hcart | hcslides⟩   \beforebiblio
  \bibliographystyle{#1}
  \bibliography{#2}%
}
```

\qu[*pages*]{*source*}{*quotation*}

A <*quotation*> in quotes followed by the reference [<*source*>, <*pages*>].

```
\newcommand{\qu}[3][]{\q{#3}\cite[#1]{#2}}
```

\qul[*pages*]{*source*}{*quotation*}

Like \qu but inside a quote environment (for longer quotions).

```
\newcommand{\qul}[3][]{\begin{quote}
  \qu[#1]{#2}{#3}
  \end{quote}}
```

`\biburl{`*url*`}{`*access date*`}`

<*url*> and <*access date*> of online documents. For online-only documents use a MANUAL entry with `\biburl` in the ORGANIZATION field. For other documents put it in the NOTE field.

```
\if@htmlbib
  \newcommand{\biburl}[2]{\onlinetext\\
   {\small\hturl{#1}}\\\accesstext\ #2}
\else
  \newcommand{\biburl}[2]{\onlinetext\\
   {\small\texttt{#1}}\\\accesstext\ #2}
\fi
```

`\bibdiv`

Separator between the title and subtitle of a document.

```
\newcommand{\bibdiv}{. }
```

`\bibvol[`*separating word*`]{`*volume number*`}{`*serial title*`}`

Use at the end of the TITLE field (without space before) if the output of the VOLUME and SERIES fields is not convincing. Interesting especially for German documents where 'der' instead of 'von' is used as <*separating word*> (English: 'of').

```
\newcommand{\bibvol}[3][\bibvoltext]
  {\emph{, \bvtext~#2 #1} #3}
```

`\addrdiv`

Separator between different places in a BIBTEX entry's ADDRESS field.

```
\newcommand{\addrdiv}{ -- }
```

`\etal[`*year*`]`

Ends a list (e. g. of places in a BIBTEX entry's ADDRESS field) which is not complete (' et al'). A <*year*> can be given which is printed afterwards.

```
\newcommand{\etal}[1][]{ et~al%
  \ifthenelse{\equal{#1}{}}{}{. #1}%
}
```

`\noyear`
`\noaddress`

Use in the YEAR resp. ADDRESS field of a BIBTEX entry when no year resp. address is known.

The following commands are for movie databases (use MANUAL entry):

`\bibdir`

Give the director in the AUTHOR field in the following way:
`Surname, \bibdir, Christian Name`

`\bibmov{`*country*`}{`*studio*`}{`*main actors*`}`

Put in the ORGANIZATION field.

```
    \newcommand{\bibmov}[3]{\bibmovtext\bibdiv\ #2, #1\bibdiv\
      \bibactorsbefore\ #3 \bibactorsafter}
  \fi
```

3.4.2 The pdf option

```
  \newcommand{\hypertitle}{}
  \newcommand{\hyperauthor}{}
  \newcommand{\hyperabstract}{}
  \newcommand{\hyperkeywords}{}
  \if@pdf
    \AtEndOfClass{\RequirePackage[hyperindex,colorlinks=true,
       pdftex,latex2html,extension=pdf]{hyperref}}
    \AtBeginDocument{%
      \let\oldautdiv\autdiv
      \renewcommand{\autdiv}{, }
      \ifthenelse{\equal{\hypertitle}{}}
         {\renewcommand{\hypertitle}{\currenttitle}}{}
      \ifthenelse{\equal{\hyperauthor}{}}
         {\renewcommand{\hyperauthor}{\currentauthor}}{}
      \ifthenelse{\equal{\hyperabstract}{}}
         {\renewcommand{\hyperabstract}{\abstext}}{}
      \ifthenelse{\equal{\hyperkeywords}{}}
         {\renewcommand{\hyperkeywords}{\keywordstext}}{}
      \pdfinfo{
         /Title (\hypertitle)
         /Author (\hyperauthor)
         /Subject (\hyperabstract)
         /Keywords (\hyperkeywords)
        }
        \let\autdiv\oldautdiv
    }
  \fi
⟨/hcart | hcreport | hcslides⟩
```

3.4.3 Title commands

`\toc`

Puts the table of contents at the end of the current page (i.e. after a vertical fill and before a pagebreak). With the `paper` option the table of contents is generated automatically, so `\toc` does nothing at all.

```
⟨*hcart | hcslides⟩
\if@paper
  \newcommand{\@toc}{%
    \newpage
⟨hcart⟩      \thispagestyle{empty}
⟨hcslides⟩      \slidepagestyle{HC}
⟨hcart⟩      \if@wide \linespread{1} \fi
    \tableofcontents
⟨hcart⟩      \if@wide \linespread{1.3} \fi
    \newpage%
  }
  \newcommand{\toc}{}
\else
  \newcommand{\@toc}{%
    \vfill
⟨hcart⟩      \thispagestyle{empty}
⟨hcslides⟩      \slidepagestyle{HC}
⟨hcart⟩      \if@wide \linespread{1} \fi
    \tableofcontents
⟨hcart⟩      \if@wide \linespread{1.3} \fi
    \newpage%
  }
  \newcommand{\toc}{\@toc}
\fi
⟨/hcart | hcslides⟩
⟨*hcreport⟩
\newcommand{\@toc}{
  \if@wide \linespread{1} \fi
  \tableofcontents
  \if@wide \linespread{1.3} \fi
  \thispagestyle{empty}
}
\if@paper
  \newcommand{\toc}{}
\else
  \newcommand{\toc}{\@toc}
\fi
⟨/hcreport⟩
```

```
\titsubinfo{main title}{sub title}{more info}
\titsub{main title}{sub title}
\titinfo{main title}{more info}
```

They should be used in the premable – call `\tit[ver]` or `\titaut[ver]` in the document body. Use if your document has a main title and a sub title and/or you want to give additional information. Leave the <*title*> parameter of `\tit[...]` empty. <*more info*> is printed below the <*(sub) title*> in a small font.

```
⟨*hcart | hcreport | hcslides⟩
\if@paper
  \newcommand{\titsubinfo}[3]{
    \renewcommand{\defaulttitle}{%
      #1\vfill
      {\Large #2\vfill}
      \vfill {\normalsize #3\vfill}%
    }
    \renewcommand{\currenttitle}{#1}%
  }
  \newcommand{\titsub}[2]{
    \renewcommand{\defaulttitle}{%
      #1\vfill
      {\Large #2\vfill\vfill}%
    }
    \renewcommand{\currenttitle}{#1}%
  }
  \newcommand{\titinfo}[2]{
    \renewcommand{\defaulttitle}{%
      #1\vfill
      \vfill {\normalsize #2\vfill}%
    }
    \renewcommand{\currenttitle}{#1}%
  }
\else
  \newcommand{\titsubinfo}[3]{
    \renewcommand{\defaulttitle}{#1\\[0.8ex]
      {\Large #2\\[0.8ex]}
      {\normalsize #3\\}%
    }
    \renewcommand{\currenttitle}{#1}%
  }
  \newcommand{\titsub}[2]{
    \renewcommand{\defaulttitle}{#1\\[0.8ex]
      {\Large #2\\[0.8ex]}%
    }
    \renewcommand{\currenttitle}{#1}%
  }
  \newcommand{\titinfo}[2]{
```

```
      \renewcommand{\defaulttitle}{#1\\[0.8ex]
        {\normalsize #2\\}%
      }
      \renewcommand{\currenttitle}{#1}%
    }
  \fi
```

`\autinfo{`*author*`}{`*address*`}{`*email*`}{`*homepage*`}`

Should be used in the premable – call `\tit`, `\titaut` or `\titautver` in the document body. Specifies information about the author (name, address, mail-address and homepage). Use `\autdiv` resp. `\autinfodiv` instead of `\\`.

```
\newcommand{\autinfo}[4]{%
  \renewcommand{\defaultauthor}{#1}
  \renewcommand{\defaultaddress}{#2}
  \renewcommand{\defaultemail}{#3}
  \renewcommand{\defaulthomepage}{#4}
  \renewcommand{\currentauthor}{#1}
}
```

`\abs[`*other-language abstract*`]{`*abstract*`}`

Should be used in the premable – call `\tit`, `\titaut` or `\titautver` in the document body. Prints an abstract text. Optionally an additional abstract in another language is printed below. The title of the other-language abstract may be changed by redefining `\otherabstractname`. By default 'Zusammenfassung' is used (German).

```
\newcommand{\abstext}{}
\newcommand{\otherabstext}{}
\newcommand{\abs}[2][]{%
  \renewcommand{\otherabstext}{#1}
  \renewcommand{\abstext}{#2}
}
```

`\keywords{`*keywords*`}`

Should be used in the premable – call `\tit`, `\titaut` or `\titautver` in the document body. Prints a list of keywords.

```
\newcommand{\keywordstext}{}
\newcommand{\keywords}[1]{%
  \renewcommand{\keywordstext}{#1}
}
```

`\hyperinfo{`*title*`}{`*author*`}{`*abstract*`}{`*keywords*`}`

An alternative way to specify document information for the PDF version. Use when the default document information extracted from `\tit[sub][info]`, `\autinfo`, `\abs` and `\keywords` does not work as it should. If one of the parameters is left empty the default information is used instead. Do not use any formatting or special commands. Must be used in the premable. Without the `pdf` option this command is ignored.

```
\if@pdf
  \newcommand{\hyperinfo}[4]{
    \renewcommand{\hypertitle}{#1}
    \renewcommand{\hyperauthor}{#2}
    \renewcommand{\hyperabstract}{#3}
    \renewcommand{\hyperkeywords}{#4}
  }
\else
  \newcommand{\hyperinfo}[4]{}
\fi
```

`\titaut[`*date*`]{`*title*`}{`*author*`}`

Replacement for: `\title{`*title*`}` `\author{`*author*`}` `\date{`*date*`}` `\maketitle`
Default date is `\today`. With the `paper` option, a titlepage and a table of contents are generated.

```
\if@paper
  \newcommand{\titaut}[3][\today]{%
⟨hcart | hcreport⟩      \if@wide \linespread{1} \fi
⟨hcslides⟩      \slidepagestyle{empty}\setcounter{slide}{0}
    \ifthenelse{\equal{#2}{}}
      {}
      {\renewcommand{\defaulttitle}{#2}
        \renewcommand{\currenttitle}{#2}}
    \title{\normalfont\huge \defaulttitle \vfill}
    \ifthenelse{\equal{#3}{}}
      {}
      {\renewcommand{\defaultauthor}{#3}
        \renewcommand{\currentauthor}{#3}}
    \author{\normalfont\Large \defaultauthor\\[0.8ex]
      \normalfont\normalsize \defaultaddress\\[0.4ex]
      \normalfont\normalsize
      \htmladdnormallink{\defaultemail}{mailto:\defaultemail}\\[-
1ex]
      \normalfont\normalsize
      \htmladdnormallink{\defaulthomepage}{\defaulthomepage}
}
    \date{\vfill\vfill \normalfont\normalsize #1}
⟨hcreport⟩      \lowertitleback{%
```

```
⟨hcreport⟩        \ifthenelse{\equal{\otherabstext}{}}{}%
⟨hcreport⟩          {\minisec{\centering\abstractname}
⟨hcreport⟩            \abstext}%
⟨hcreport⟩        \ifthenelse{\equal{\otherabstext}{}}{}%
⟨hcreport⟩          {\minisec{\centering\otherabstractname}
⟨hcreport⟩            \otherabstext}%
⟨hcreport⟩        \ifthenelse{\equal{\keywordstext}{}}{}%
⟨hcreport⟩          {\minisec{\centering\keywordsname}
⟨hcreport⟩            \cen{\keywordstext}}%
⟨hcreport⟩      }
    \maketitle
    \ifthenelse{\isundefined{\currentdate}}
      {\newcommand{\currentdate}{#1}}{}
⟨hcart | hcslides⟩    \setcounter{page}{0}
⟨hcart | hcslides⟩    \thispagestyle{empty}
⟨hcart | hcslides⟩     \ifthenelse{\equal{\abstext}{}}{%
⟨hcart | hcslides⟩        \ifthenelse{\equal{\keywordstext}{}}{}{
⟨hcart | hcslides⟩          \vfill\vfill
⟨hcart | hcslides⟩          \minisec{\centering\keywordsname}
⟨hcart | hcslides⟩          \cen{\keywordstext}}
⟨hcart | hcslides⟩    }{%
⟨hcart | hcslides⟩       \vfill\vfill
⟨hcart | hcslides⟩         \minisec{\centering\abstractname}
⟨hcart | hcslides⟩         \abstext
⟨hcart | hcslides⟩         \ifthenelse{\equal{\otherabstext}{}}{}
⟨hcart | hcslides⟩           {\minisec{\centering\otherabstractname}
⟨hcart | hcslides⟩             \otherabstext}
⟨hcart | hcslides⟩         \ifthenelse{\equal{\keywordstext}{}}{}
⟨hcart | hcslides⟩           {\minisec{\centering\keywordsname}
⟨hcart | hcslides⟩             \cen{\keywordstext}}
⟨hcart | hcslides⟩    }
    \setcounter{page}{0}
    \thispagestyle{empty}
    \@toc%
⟨hcart | hcreport⟩    \if@wide \linespread{1.3} \fi
⟨hcslides⟩          \slidepagestyle{HC}%
  }
\else
  \newcommand{\titaut}[3][\today]{%
⟨hcart | hcreport⟩    \if@wide \linespread{1} \fi
⟨hcslides⟩      \slidepagestyle{empty}\setcounter{slide}{0}
    \ifthenelse{\equal{#2}{}}
      {}
      {\renewcommand{\defaulttitle}{#2}
        \renewcommand{\currenttitle}{#2}}
    \title{\normalfont\huge \defaulttitle}
    \ifthenelse{\equal{#3}{}}
```

```
        {}
        {\renewcommand{\defaultauthor}{#3}
          \renewcommand{\currentauthor}{#3}}
      \author{\normalfont\Large \defaultauthor}
      \date{\normalfont\normalsize #1}
⟨hcreport⟩      \lowertitleback{%
⟨hcreport⟩        \ifthenelse{\equal{\otherabstext}{}}{}%
⟨hcreport⟩          {\minisec{\centering\abstractname}
⟨hcreport⟩            \abstext}%
⟨hcreport⟩        \ifthenelse{\equal{\otherabstext}{}}{}%
⟨hcreport⟩          {\minisec{\centering\otherabstractname}
⟨hcreport⟩            \otherabstext}%
⟨hcreport⟩        \ifthenelse{\equal{\keywordstext}{}}{}%
⟨hcreport⟩          {\minisec{\centering\keywordsname}
⟨hcreport⟩            \cen{\keywordstext}}%
⟨hcreport⟩      }
      \maketitle
      \ifthenelse{\isundefined{\currentdate}}
        {\newcommand{\currentdate}{#1}}{}
⟨hcart | hcslides⟩      \setcounter{page}{0}
⟨hcart | hcslides⟩      \thispagestyle{empty}
⟨hcart | hcslides⟩       \ifthenelse{\equal{\abstext}{}}{}{
⟨hcart | hcslides⟩            \minisec{\centering\abstractname}
⟨hcart | hcslides⟩            \abstext
⟨hcart | hcslides⟩            \ifthenelse{\equal{\otherabstext}{}}{}
⟨hcart | hcslides⟩              {\minisec{\centering\otherabstractname}
⟨hcart | hcslides⟩                \otherabstext}
⟨hcart | hcslides⟩      }
⟨hcart | hcslides⟩       \ifthenelse{\equal{\keywordstext}{}}{}
⟨hcart | hcslides⟩          {\minisec{\centering\keywordsname}
⟨hcart | hcslides⟩            \cen{\keywordstext}}
      \setcounter{page}{0}
      \thispagestyle{empty}%
⟨hcart | hcreport⟩      \if@wide \linespread{1.3} \fi
⟨hcslides⟩      \newpage\slidepagestyle{HC}%
    }
  \fi
```

\tit[*date*]{*title*}

Calls \titaut with the default author information.

```
\newcommand{\tit}[2][\today]{\titaut[#1]{#2}{}}
```

`\titautver[version date]{title}{author}{general date}`

Prints a general date (e.g. of first release) and a version date (default: `\today`).

```
\newcommand{\titautver}[4][\today]{
  \newcommand{\currentdate}{#1}%
  \titaut[#4\\\versiontext\ #1]{#2}{#3}
}
```

`\titver[version date]{title}{general date}`

Calls `\titautver` with the default author information.

```
\newcommand{\titver}[3][\today]{\titautver[#1]{#2}{}{#3}}
```

3.4.4 Sectioning Commands

`\fictionsec`

A sectioning command producing just a number, no text – useful e.g. for fiction without section headings. When a new `\section` starts the counter is reset.

```
\newcounter{fictionsec}[section]
\newcommand{\fictionsec}{\addtocounter{fictionsec}{1}%
  \subsection*{\centering\thefictionsec}}
```

⟨/hcart | hcreport | hcslides⟩

3.5 Commands and Environments for the hcart class

A `\part` command starts a new page.

⟨∗hcart⟩

```
\renewcommand\part{\clearpage
    \@afterindentfalse
    \secdef\@part\@spart}
```

⟨/hcart⟩

3.6 Settings for the hcletter class

No fold marks are printed.

⟨∗hcletter⟩

```
\foldmarksoff
```

⟨/hcletter⟩

3.7 Commands and Environments for the hcreport class

The first page of a chapter and the title page of a part do not have a page number.

⟨∗hcreport⟩

```
\renewcommand\chapter
    {\if@openright\cleardoublepage\else\clearpage\fi
                    \thispagestyle{empty}%
                    \global\@topnum\z@
                    \@afterindentfalse
                    \secdef\@chapter\@schapter}
\renewcommand\addchap
    {\if@openright\cleardoublepage\else\clearpage\fi
                    \thispagestyle{empty}%
                    \global\@topnum\z@
                    \@afterindentfalse
                    \secdef\@addchap\@saddchap}
\renewcommand\part
    {\if@openright\cleardoublepage\else\clearpage\fi
                 \thispagestyle{empty}%
                 \if@twocolumn
                     \onecolumn
                     \@tempswatrue
                   \else
                     \@tempswafalse
                 \fi
                 \null\vfil
                 \secdef\@part\@spart}
```
⟨/hcreport⟩

3.8 Commands and Environments for the hcslides class

A new page is started by a section or manually with the `\newslide` command.

Everything is printed sans serif. The `HC` pagestyle is always used. The `fancybox` package is required for drawing an shadowed box around sections.

`\addsec[`*toc-entry*`]{`*heading*`}`

For compatibily with the `hcart` and `hcreport` classes. Should always be used instead of the `\section*` command.

`\minisec{`*heading*`}`

For compatibily with the `hcart` and `hcreport` classes. Sectioning level between `\subsubsection` and `\paragraph`.

⟨∗hcslides⟩
```
\AtBeginDocument{\begin{slide}}
\AtEndDocument{\end{slide}}
\renewcommand{\rmdefault}{\sfdefault}
\raggedslides[5em]
\newcommand{\addsec}[2][]{%
```

```
  \section*{#2}
  \ifthenelse{\equal{#1}{}}
    {\addcontentsline{toc}{section}{#2}}
    {\addcontentsline{toc}{section}{#1}}%
}
\newcommand\minisec[1]{\@afterindentfalse \vskip 1.5ex
  {\parindent \z@ \raggedright\sffamily\bfseries #1\par\nobreak}%
  \@afterheading}
\setlength{\slideheight}{0.74\paperwidth}
\setlength{\slidewidth}{0.84\paperheight}
\renewcommand{\slidetopmargin}{0.12\paperwidth}
\renewcommand{\slidebottommargin}{0.12\paperwidth}
\renewcommand{\slideleftmargin}{0.08\paperheight}
\renewcommand{\sliderightmargin}{0.08\paperheight}
\slideframe{none}
\AtBeginDocument{
  \ifthenelse{\equal{\defaultemail}{}}
    {\newcommand{\@email}{}}
    {\newcommand{\@email}
      { \texttt{<}\htmail{\defaultemail}\texttt{>}}}
  \newpagestyle{HC}%
    {\parbox[b]{\textwidth}%
        {\currenttitle\hfill\currentdate\\[-.6ex]%
         \rule{\textwidth}{0.6pt}}}
    {\parbox[t]{\textwidth}{\rule{\textwidth}{0.6pt}\\[.6ex]%
        \renewcommand{\autdiv}{, }%
        \currentauthor\@email\hfill\thepage}}
  \pagestyle{HC}
}
\RequirePackage{fancybox}
\setcounter{tocdepth}{3}
\renewcommand\section{\@startsection {section}{1}{\z@}%
  {-3.5ex \@plus -1ex \@minus -.2ex}%
  {2.3ex \@plus.2ex}%
  {\newslide\normalfont\Large\bfseries\shadowbox}}
\renewcommand\part{\clearpage
                  \if@twocolumn
                      \onecolumn
                      \@tempswatrue
                    \else
                      \@tempswafalse
                  \fi
                  \secdef\@part\@spart}
```

3.8.1 The twotoc option

```
\if@twotoc
```

```
  \RequirePackage{multicol}
  \renewcommand*\tableofcontents{%
    \newlength{\old@columnseprule}
    \setlength{\old@columnseprule}{\columnseprule}
    \setlength{\columnseprule}{0.4pt}
    \begin{multicols}{2}[\section*{\contentsname}]
    \@starttoc{toc}%
    \end{multicols}
    \setlength{\columnseprule}{\old@columnseprule}
    }
\fi
⟨/hcslides⟩
```

4 German Language Definitions

The `babel` package is loaded with the new German orthograpy (option `ngerman`: this requires a rather new version of `babel`). The commands `\q`, `\hq`, `\dash`, `\Es` and `\shorttoday` are adapted to the German typography. The `\enge` command is redefined. The German BIBTEX style `hc-de` is used by default. The language specific texts are redefined. The German redefinitions of the `varioref` package do not seem to work, so the are repeated.

```
⟨*german⟩
\addto{\captionsngerman}{%
  \renewcommand{\nextstartq}{\guillemotright}
  \renewcommand{\nextendq}{\guillemotleft}
  \renewcommand{\otherstartq}{\guilsinglright}
  \renewcommand{\otherendq}{\guilsinglleft}
  \renewcommand{\hq}[1]{\guilsinglright{}#1\guilsinglleft{}}
  \renewcommand{\fq}[1]{\guillemotright{}#1\guillemotleft{}}
  \renewcommand{\dash}[1]{--~#1~--}
  \renewcommand{\shorttoday}
    {\the\day.\the\month.\two@digits{\theshortyear}\xspace}
  \renewcommand{\enge}[2]{#2}
  \renewcommand{\bibliostyle}{hc-de}
  \renewcommand{\contentsname}{Inhalt}
  \renewcommand{\versiontext}{Version vom}
  \renewcommand{\accesstext}{Zugriff am}
  \renewcommand{\cftext}{vgl.}
  \renewcommand{\bibvoltext}{der}
  \renewcommand{\bvtext}{Bd.}
  \renewcommand{\bibdir}{Regie }
  \renewcommand{\bibmovtext}{Spielfilm}
  \renewcommand{\bibactorsbefore}{Mit}
  \renewcommand{\bibactorsafter}{u.a}
  \renewcommand{\noyear}{o.J.}
  \renewcommand{\noaddress}{o.O.}
  \renewcommand{\otherabstractname}{Abstract}
```

```
  \renewcommand{\keywordsname}{Schl\"usselw\"orter}
  \renewcommand{\seetext}{siehe}
}
\if@euro
  \addto{\captionsngerman}{%
    \renewcommand{\Es}[1]{#1\nobreak\,\E}
  }
\fi
\if@fancyref
    \def\reftextfaceafter {auf der n\"achsten Seite}%
    \def\reftextfacebefore{auf der vorherigen Seite}%
    \let\reftextafter     \reftextfaceafter
    \let\reftextbefore    \reftextfacebefore
    \def\reftextcurrent   {auf dieser Seite}%
    \def\reftextfaraway#1{auf Seite~\pageref{#1}}%
    \def\reftextpagerange#1#2{auf
       Seiten~\pageref{#1}--\pageref{#2}}%
    \def\reftextlabelrange#1#2{\ref{#1} bis~\ref{#2}}%
\fi
```

⟨/german⟩