

HsH-Classes — A set of \LaTeX classes for use in Hochschule Hannover *

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Abstract

The following documents a set of \LaTeX classes created for the Hochschule Hannover. They are intended to ease the workflow when writing documents by providing a common formating basis that should work for pretty much everything a student will be expected to write. This can be simple one-paged documents, excercises, lab-reports, papers or bachelors and masters thesises.

The classes provide interfaces to modify commend requiriements, provide commands to get specifics like the logo and provide and pre-configure comonly needed packages. This should get you going imidealty and reduce the setuptime significantly.

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1 The different classes

The project classes provided by the Project all carry the HsH- prefix. Here is a list of the available classes and some explanation on when to use which class.

HsH-article	A article-class based on KOMA-Scripts scrartcl. It is designed for quick and compact documents and is useful for writing lab-protocols and alike. It does not have chapters and therefore never breaks to a new page on its own.
HsH-report	A report-class based on KOMA-Scripts scrreprt. This is probably the most useful class, as it can be used for a wide variety of documents (beginning with lab-reports and ending at complete thesis). The line between article and report is somewhat blurry, so use as you see fit.
HsH-standalone	A helper class based based on the standalone class. It is designed only for creating images as separate documents to keep things organized and compiler times low. It is useful for creating graphs, circuit diagrams or other kind of complex sub documents.

2 Document options

To configure the behavior and style of documents using this class, options can be passed via the `\documentclass[<options>]{<document-class>}` command.

It should be noted that all unknown keys will be passed to the parent class and a log-message issued.

2.1 Generic options share by all classes

These Options are available regardless of documentclass and modify common things.

`fontfamily` The `fontfamily=<opt>` option configures which font-style is used. For convenience there are also short-forms provided. The available options are:

`sans`
`roman`

`sans` | `sans-serif` A sans-serif font is used (similar to Arial)
`roman` | `serif` A serif font is used (similar to Times-new-Roman)

`language` The `language=<opt>` option set the main language you write in. It ensures texts like auto-generated headings are localised properly. You can pass in any language-name understood by the babel package. German is the default. For convenience there are also short-forms provided.

`english`
`german`

`todos` The `todos` option is a simple switch that activates support for the `todonotes` package. It enables/disables the package as well as increasing the pagewidth to make space for the notes. You can use the commands from the package to make notes and other annotations (similar to how MS-Words comments work). When you pass `off` | `false` all the annotation will disappear from the PDF while still being in the source.

Note: setting `todos=off` after having used the option will most likely produce compilation errors. These will go away after you remove the temporary files.

2.2 Options for modifying the document

The following options are only available for documents (so not utility classes).

`linespacing` The `linespacing=<opt>` option configures the spacing in between lines. For convenience there are also short-forms provided. The available options are:

`singlespacing`
`onehalfspacing`
`doublespacing`

`single` No additional space is added in between lines.
`onehalf` Approximately half a line of empty space is added in between lines.
`double` About a full line height is left in between lines.

`parskip` The `parskip=<opt>` option configures the spacing in between paragraphs. This is an option originally implemented by KOMA-Script (see [its manual](#)) so all its options apply. The class only adds additional options.

For your convenience the relevant options are also listed here:

<code>false off</code>	Paragraphs are identified by indentation of the first line by 1em. There is no spacing requirement at the end of the last line of a paragraph.
<code>full true on</code>	Paragraphs are identified by a vertical space of one line between paragraphs. There must be at least 1em of free space at the end of the last line of the paragraph.
<code>full-</code>	Paragraphs are identified by a vertical space of one line between paragraphs. There is no spacing requirement at the end of the last line of a paragraph.
<code>full+</code>	Paragraphs are identified by a vertical space of one line between paragraphs. There must be at least a third of a line of free space at the end of a paragraph.
<code>full*</code>	Paragraphs are identified by a vertical space of one line between paragraphs. There must be at least a quarter of a line of free space at the end of a paragraph.
<code>half</code>	Paragraphs are identified by a vertical space of half a line between paragraphs. There must be at least 1em free space at the end of the last line of a paragraph.
<code>half-</code>	Paragraphs are identified by a vertical space of half a line between paragraphs. There is no spacing requirement at the end of the last line of a paragraph.
<code>half+</code>	Paragraphs are identified by a vertical space of half a line between paragraphs. There must be at least a third of a line of free space at the end of a paragraph.
<code>half*</code>	Paragraphs are identified by a vertical space of half a line between paragraphs. There must be at least a quarter of a line of free space at the end of a paragraph.
<code>never</code>	No inter-paragraph spacing will be inserted even if additional vertical spacing is needed for vertical adjustment with <code>\flushbottom</code> .
<code>never+</code>	No inter-paragraph spacing will be inserted. There must be at least a third of a line of free space at the end of a paragraph.
<code>never*</code>	No inter-paragraph spacing will be inserted. There must be at least a quarter of a line of free space at the end of a paragraph.
<code>headheight</code>	The <code>headheight=<dim></code> option allows you to set the required size of the header. You may need to modify this if you get a <code>\headheight to low</code> error message. The emssage should tell you what value you need, but you can pass any valid length.

Often relevant KOMA-Script options

The following options are implemented by the parent classes and only listed here for completeness. For more details, see [its manual](#).

<code>fontsize</code>	The <code>fontsize=<size></code> options takes a size in pt. It is usually in the range of 10-12, but other sizes can work as well.
<code>paper</code>	The <code>paper=<size></code> options accepts a number of options, most ISO formats are supported, but also others like letter or legal.
<code>twoside</code>	The <code>twoside</code> option sets your document up for double-sided printing. The header and footer will take this into account and binding-correction will be applied along the inner edge.
<code>BCOR</code>	The <code>BCOR=<dim></code> option allows you to define a custom binding-correction. Any valid length can be put here, but too large of a value will shrink the outer margin to a not-desirable level.

2.3 Standalone specific options

The standalone utility class has some special options which are documented here.

<code>margin</code>	The <code>margin=<dim></code> option controls how much whitespace is added around your standalone document. This usually looks better which is why the default is 0.25 cm, but you can suppress it by passing 0 cm.
<code>multi</code>	The <code>multi=<opt></code> option defines which environment makes up a page. It can be passed more than once.

3 Provided commands

The classes define a set of commands which are explained in the following section.

`\HsHClassName` Each class defines the macro `\HsHClassName` to contain its classname. This is mostly usefull so internals can reuse the classname, but you could also check against it if you needed to.

3.1 Title matters

\LaTeX has a set of default commands which are used to define data for the titlepage, like `\title` or `\author`. The classes define a few additional commands, which are documented her.

`\matrikelnr` The `\matrikelnr{<nr[, ..]>}` macro sets the matrikelnumber of the author(s). It can be a single number or a comma seperated list of numbers. The numbers will be matched to the authors passed into `\author`.

`\professor` You can pass any text to `\professor{<text>}`, it will be printed on the bottom of the titelpage.

`\keywords` This macro can be used to define keywords which are relevant to your document. They will be printed as part of the abstract and be put into the PDF's meta-data.

Modifying the Logo

`\HsHlogoPath` The logo is loaded from a file whos name is read from `\HsHlogoPath`. Change it to use a different logo-file.

`\HsHlogoPage` As the PDF file can hae multiple pages, the `\HsHlogoPage` command stores which page to load.

`\includeHsHlogohere` The macro `\includeHsHlogohere[<width>]` is used by `\maketitle` to produce the logo. But if you want it elsewhere, you cann call this macro yourself.

3.2 Commands for document writing

The following commands will be usefull to you when writing a document.

`\declarationofauthorship` The command `\declarationofauthorship[<align>]` can be used to print a "declatation of authorship" in the current location, similar to how `tableofcontents` and `friends` work. It will produce a horizontal line, a text block containing the regulatory text and a signature block for every author. The command is localised for both english and german. Using the optional argument, you can define the positioning. Pass `t` for alignment at the top of the page and `b` for bottom alignment (*default*).

The three commands `\frontmatter`, `\mainmatter` and `\backmatter` are provided for report classes. They separete document section and automatically set up `pagenumer` styles.

`\frontmatter` `\frontmatter` set the `pagenumers` to capital roman numerals. This is usually required for everything before the first chapter.

`\mainmatter` `\mainmatter` sets the `pagenumbering` to "normal" arabic numbers. This is usually the style for the document content.

`\backmatter` `\backmatter` can be used for apendixes and alike. It sets the `pagenumbering` to small roman numerals.

3.3 Default \LaTeX Commands that are modified

Additionally, some of \LaTeX s default commands are moddified to better fit this class. This is documented here.

`\title` The `\title[<short-title>]{<title>}` command now takes an additional, optional argument. You can use it for a shorter version of your title, that will be used in the header to save on space.

`\maketitle` The `\maketitle` command if \LaTeX default way to create a titlepage. We redefine it to produce a titlepage that matches the sytel typically used on the Hochschule Hannover. This incudes the logo beeing printed, depending on the `f1` to `f5` `documentoptions`. The command now also takes an options alignment-parameter: `\maketitle[<align>]`. You can pass `l` | `c` | `r` to get *left*, *center* or *right* alignment.

4 Package loading

The classes load some packages for internal use as well as loading and configuring common use packages. The details are documented in the following section.

4.1 Allways loaded packages

fontenc for output encoding, set to the european character set
babel for language-specific typesetting
bookmark creates bookmarks in the PDF
hyperref for easy referencing and linking
caption to customize captions and make references point to the beginning of the floats
graphicx for importing and manipulating images
amsmath,amssymb,amsfonts more options when typesetting math
lmodern sets up the Latin-Modern font
setspace used for configuring linespacing

There are also some packages for internal functionality that shouldn't concern the user, but they are listed here for completeness.

scrbase
pgffor

4.2 Conditionally loaded Packages

A subset of packages is only loaded (or loaded with specific options) depending on options passed to the package

babel gets configured depending on language
csquotes for language-specific quotations marks
ziffer only loaded for German documents, sets comma as decimal separator
todonotes loaded depending on todos

4.3 Pre-configured Packages

These packages are configured by the class to work in a cooperative way. The user must load them in this preamble via `\usepackage{<pkg-name>}` however, as loading them always bears additional, unnecessary overhead.

5 Implementation

5.1 Internal commands

`\HsHClassName` The classname of specific class is stored in the `\HsHClassName` which gets used throughout the code.

```
1 \let\HsHClassName\@currname
```

There is also a second macro `\HsHClassName@ParentClass` which stores the parent class name.

```
2 \def\HsHClassName@ParentClass{%  
3 <article> scrartcl%  
4 <report> scrreprt%  
5 <standalone> standalone%  
6 }
```

5.2 Option handling

The options are handled using features provided by the KOMA-Script ecosystem. To get access to this the `srcbase` package is loaded.

```
7 \RequirePackage{srcbase}
```

We also require some packages for some of the option, these are loaded next.

```
8 \RequirePackage{setspace}
```

A new family of keys is created and shared by all elements of this project. For that the `\DefineFamily` macro is used. The family name is *HsH*, matching the usual prefixes.

```
9 \DefineFamily{HsH}
```

Additionally each class-file represents a member in the family. This is defined using the `\DefineFamilyMember` macro. It's optional argument is set to the current filename by default, so we do not need to specify it, just the family name to attach it to.

```
10 \DefineFamilyMember{HsH}
```

`\HsH@Options@PassToParent` To be able to pass options to the parent class where needed easily, a command is defined. It also issues a log-message.

```
11 \newcommand{\HsH@Options@PassToParent}[1]{%
12   \ClassInfoNoLine{\HsHClassName}{passing option to parent class: #1}%
13   \PassOptionsToClass{#1}{\HsHClassName@ParentClass}%
14 }
```

`\HsH@Options@DeclareAlias` It is also useful to have short-versions of options. The following commands make it easy to declare these.

```
15 \newcommand{\HsH@Options@DeclareAlias}[3][HsH]{%
16   \DeclareOption{#2}{\FamilyExecuteOptions{#1}{#3}}%
17 }
```

`fontfamily` The first option to be defined is `fontfamily`. It's defined as a *Numerical* key so that it can accept multiple options and map them to a switch case.

```
18 \DefineFamilyKey{HsH}{fontfamily}{
19   \begingroup
20     \FamilySetNumerical{HsH}{parskip}{@tmp}{%
21       {sans}{0}, {sans-serif}{0},%
22       {roman}{1}, {serif}{1},%
23     }{#1}
24     \ifx\FamilyKeyState\FamilyKeyStateProcessed
25       \aftergroup\FamilyKeyStateProcessed
26       \ifcase@tmp% 0
27         \endgroup
28         \renewcommand{\familydefault}{\sfdefault}
29         \if@atdocument\AfterKOMAOptions{\selectfont}\fi
30       \or% 1
31         \endgroup
32         \renewcommand{\familydefault}{\rmdefault}
33         \if@atdocument\AfterKOMAOptions{\selectfont}\fi
34       \else% should never be
35         \endgroup
36       \fi
37     \else
38       \endgroup
39       \FamilyKeyStateUnknownValue
40     \fi
41 }
```

`sans` For convenience, there are also two short-versions defined.

```
roman 42 \HsH@Options@DeclareAlias{sans}{fontfamily=sans}
43 \HsH@Options@DeclareAlias{roman}{fontfamily=roman}
44 \*!standalone
```

`linespacing` The `linespacing` options is also a *Numerical* option, mapping to three cases. They execute the appropriate commands of the `setspace` package.

```

45 \DefineFamilyKey{HsH}{linespacing}{%
46   \begingroup
47     \FamilySetNumerical{HsH}{linespacing}{@tempa}{%
48       {single}{0},%
49       {onehalf}{1},%
50       {double}{2},%
51     }{#1}
52     \ifx\FamilyKeyState\FamilyKeyStateProcessed
53       \aftergroup\FamilyKeyStateProcessed
54       \ifcase\@tempa% 0
55         \endgroup
56         \if@atdocument\singlespacing\else\AtEndOfClass{\singlespacing}\fi
57       \or% 1
58         \endgroup
59         \if@atdocument\onehalfspacing\else\AtEndOfClass{\onehalfspacing\AfterTOCHead{\singlespacing}}\fi
60       \or% 2
61         \endgroup
62         \if@atdocument\doublespacing\else\AtEndOfClass{\doublespacing\AfterTOCHead{\singlespacing}}\fi
63       \else% should never be
64         \endgroup
65       \fi
66     \else
67       \endgroup
68       \FamilyKeyStateUnknownValue
69     \fi
70   }
71 }
```

`singlespacing` For convenience, there are also these short-versions defined.

```

onehalfspacing 72 \HsH@Options@DeclareAlias{singlespacing}{linespacing=single}
doublespacing 73 \HsH@Options@DeclareAlias{onehalfspacing}{linespacing=onehalf}
               74 \HsH@Options@DeclareAlias{doublespacing}{linespacing=double}
```

`parskip` The `parskip` option is special in that it originally a KOMA-Script option that get expanded by this class. Only two new cases are defined here and everything unknown gets passed to the parent class.

It should also be noted that this option can't execute its code immediately, as the commands needed are only defined later when the parent class loads in. So the `\setparsizes` command is pushed into a hook.

```

75 \DefineFamilyKey{HsH}{parskip}{%
76   \begingroup
77     \FamilySetNumerical{HsH}{parskip}{@tempa}{%
78       {never+}{0},%
79       {never*}{1},%
80     }{#1}
81     \if@atdocument
82       \ClassError{\HsHClassName}{
83         option 'parskip' can only be configured in preamble!
84       }
85     \fi
86     \ifx\FamilyKeyState\FamilyKeyStateProcessed
87       \aftergroup\FamilyKeyStateProcessed
88       \ifcase\@tempa% 0
89         \endgroup
90         \AtEndOfClass{\setparsizes{\z@}{\z@}{.3333\linewidth \@plus 1fil}}
91       \or% 1
92         \endgroup
93         \AtEndOfClass{\setparsizes{\z@}{\z@}{.25\linewidth \@plus 1fil}}
94       \else% should never be
95         \endgroup
96       \fi
97     \fi
98   }
```

```

97   \else
98     \endgroup
99     \HsH@Options@PassToParrent{parskip=#1}
100    \FamilyKeyStateProcessed
101    \fi
102 }

```

`headheight` The `headheight` option just set the `\headheight` to the given value.

```

103 \def\HsH@opt@headheight{}
104 \FamilyStringKey{HsH}{headheight}{\HsH@opt@headheight}
105 \AtEndOfClass{%
106   \headheight=\HsH@opt@headheight%
107 }

```

For the `twoside` option we only redefine the default, everything else is handled by the parent class.

```

108 \DefineFamilyKey{HsH}{twoside}[semi]{%
109   \HsH@Options@PassToParrent{twoside=#1,BCOR=1cm}
110   \FamilyKeyStateProcessed
111 }
112 \!/standalone)

```

`\HsH@opt@language` First, the macro to store the language name in is created. The default is `nil`, as babel will see this as no-language.

```

113 \def\HsH@opt@language{nil}

```

`language` The key is then defined to store its value inside the command. This allows the option to be called multiple times, but only the last set value will be passed on to babel.

```

114 \FamilyStringKey{HsH}{language}{\HsH@opt@language}

```

`english` For convenience, there are also these short-versions defined.

```

    german 115 \HsH@Options@DeclareAlias{english}{language=english}
    ngerman 116 \HsH@Options@DeclareAlias{german}{language=ngerman}
            117 \HsH@Options@DeclareAlias{ngerman}{language=ngerman}

```

`\HsH@opt@faculty` As we need a default value that is not zero, the macro needs to be defined and initialised manually.

```

118 \def\HsH@opt@faculty{1}

```

`faculty` The `faculty` options is once again a *Numerical* option, mapping the five faculties and storing the selected one in `\HsH@opt@faculty`.

```

119 \FamilyNumericalKey{HsH}{faculty}{\HsH@opt@faculty}{%
120   {none}{1}, {false}{1},%
121   {f1}{2}, {1}{2},%
122   {f2}{3}, {2}{3},%
123   {f3}{4}, {3}{4},%
124   {f4}{5}, {4}{5},%
125   {f5}{6}, {5}{6},%
126 }

```

`f1` For convenience, there are also these short-versions defined.

```

f2 127 \HsH@Options@DeclareAlias{f1}{faculty=f1}
f3 128 \HsH@Options@DeclareAlias{f2}{faculty=f2}
f4 129 \HsH@Options@DeclareAlias{f3}{faculty=f3}
f5 130 \HsH@Options@DeclareAlias{f4}{faculty=f4}
    131 \HsH@Options@DeclareAlias{f5}{faculty=f5}

```

`todos` The boolean option `todos` is simply created using the commands from `scrbase`. Boolean options already default to `\true` if called without an argument, so no need to define an explicit alias.

```

132 \FamilyBoolKey{HsH}{todos}{@todos}

```


For the standalone class the `fontsize` option is mocked to present a standardised interface. A user might expect this option to be passable to this class and we should create an annoying error just for this.

```

133 <standalone>
134 \DefineFamilyKey{HsH}{fontsize}{%
135   \ClassInfoNoLine{\HsHClassName}{The 'fontsize' option is only a mock, its has not effect}
136   \FamilyKeyStateProcessed
137 }
138 </standalone>

```

5.2.1 Unknown options

Unknown options will be passed to the parent class. For that a `@else@` key is defined on the `HsH` family, which will be executed for every unknown key-value option. Unknown bare options are handled by the `\DeclareOption*` command and will be passed there.

```

139 \DefineFamilyKey{HsH}{@else@}{
140   \HsH@Options@PassToParrent{#1}
141   \FamilyKeyStateProcessed
142 }
143 \DeclareOption*{
144   \HsH@Options@PassToParrent{\CurrentOption}
145 }

```

5.2.2 Default options

The different classes all execute a set of default options, which is handled by the following code.

```

146 \FamilyExecuteOptions{HsH}{%
147   fontfamily=sans-serif,
148 <standalone>
149   fontsize=11pt,
150   language=ngerman,
151 <article>   parskip=never+,
152 <report>   parskip=half+,
153   linespacing=single,
154   headheight=2.15\baselineskip,
155 </standalone>
156 <article | report>
157   toc=listof,
158   toc=bibliography,
159 </article | report>
160   faculty=none,
161 <standalone>
162   margin=0.25cm,
163   multi=tikzpicture,
164   multi=circuitikz,
165 </standalone>
166 }

```

Now we can process the options for the `HsH` family.

```

167 \FamilyProcessOptions{HsH}\relax

```

5.2.3 Loading the parent class

```

168 \LoadClass{\HsHClassName@ParrentClass}

```

5.3 Package loading

The classes load and configure some common packages to reduce the needed amount of boilerplate code in your preamble.

Additionally there are settings provided for packages that are used more rarely, but will be set up correctly if you decide to load them via `\usepackage{}`.

5.3.1 Ensuring German works

With modern LaTeX systems the encoding of inputfiles is UTF-8 by default, so the inputenc package is no longer required. Should the user still use a old setup or use a different encoding, he is responsible for loading inputenc himself.

The font-encoding for the pdf file is also set up to allow for the full european characterset.

```
169 \RequirePackage[T1]{fontenc}
170 \RequirePackage{type1ec}
```

To ensure localised translations of all displayed text automatically depend on the user-selected language, the babel package is loaded. This also allows for the use of the \iflanguage command, which is relevant later.

```
171 \RequirePackage[main=HsH@opt@language]{babel}
```

Quotationsmarks are also very different between languages, so the following ensures the correct style for the correct language.

```
172 \RequirePackage[autostyle=true]{csquotes}
173 \MakeOuterQuote{"}
```

German uses a comma as the decimal separator, which collides with L^AT_EXs default english setting of using the comma as a thousands separator and therefore replacing it with some whitespace on printed version. Luckily loading the ziffer package sets this up to match the german standart.

```
174 \iflanguage{ngerman}{\RequirePackage{ziffer}}{ }%
```

5.3.2 Generally usefull packages

We load hyperref for clickable links and configure it to write meta-date to the PDF.

```
175 \RequirePackage[hidelinks]{hyperref} % must load before 'bookmarks'
176 \RequirePackage{bookmark}
177 \AtBeginDocument{
178   \hypersetup{
179     pdfinfo={
180       Title={\@title},
181       Author={\@author},
182       Subject={\@subject},
183       Keywords={\@keywords}
184     }
185   }
186 }
```

The todonotes package is greate for anotation, but extremely expensive on compiletime. So we load it only if the user requests it. Also its commands are stubed, so that they can be left in the sourcecode and jut not output anything.

```
187 \if@todos
188   \PassOptionsToPackage{
189     textsize=small,
190     figwidth=.6\textwidth
191   }{todonotes}
192   \RequirePackage{todonotes}
193 \else
194   \newcommand{\listoftodos}[1]{ }
195   \newcommand{\todo}[2][ ]{ }
196   \newcommand{\missingfigure}[2][ ]{ }
197 \fi

198 \RequirePackage[hypcap=true]{caption}
199 \RequirePackage{graphicx}
200 \RequirePackage{amsmath,amssymb,amsfonts}
201 \RequirePackage{svgnames}{xcolor}
```

For better compatibility with the listings package we load the scrhack package.

```
202 \RequirePackage{scrhack}
```

5.3.3 Options for packages that could be loaded by the user

Some package are not always needed and potentially heavy to load in by default. But its still usefull to set default options for these packages.

These differ from the settings provided in HsH-classes.cfg in that they are defaults that apply allway and not user-configurable preferences which are user or even project specific.

```
203 (*article | report)
204 \PassOptionsToPackage{backend=biber}{biblatex}
205 \AtBeginDocument{
206   \makeatletter
207   \@ifpackageloaded{biblatex}{
208     \renewcommand*{\mkbibacro}[1]{\MakeUppercase{#1}}
209   }{}%
210   \makeatother
211 }
212 
```

For other packages we provide the settings more as a recomendation of what is usefull. As the user might want to change these, we outsource this to a seperat file and input it \AtBeginDocument. That way the user can just replace the file with his custom version.

```
215 \AtBeginDocument{
216   \makeatletter
217   \InputIfFileExists{HsH-classes.cfg}{
218     \ClassInfo{\HsHClassName}{Local config file HsH-classes.cfg used.}
219   }{
220     \ClassInfo{\HsHClassName}{No HsH-classes.cfg!! I hope you configered it yourself.}
221   }
222   \makeatother
223 }
```

5.4 Custom commands

5.4.1 Document seperation commands

The following commands are only defnied for book type classes by default. But they are also usefull for the report class, so we define them in that case.

```
224 (*report)
```

\if@mainmatter We define a switch which stores if the document is currently at a mainmatter section. Ir defaults to true as the user needs to explicitly set the state to something differnt.

```
225 \newif\if@mainmatter\@mainmattertrue
```

As a pagenumber change requires a fresh page, this is ensured first. We also need to make sure that on twosided document, the first page is alwas on the left.

\frontmatter The pagenumbering is set to capital roman numerals.

```
226 \newcommand{\frontmatter}{
227   \if@twoside\cleardoubleoddpage\else\clearpage\fi
228   \@mainmatterfalse\pagenumbering{Roman}
229 }
```

\mainmatter The pagenumbering is set to arabic numerals.

```
230 \newcommand{\mainmatter}{
231   \if@twoside\cleardoubleoddpage\else\clearpage\fi
232   \@mainmattertrue\pagenumbering{arabic}
233 }
```

\backmatter The pagenumbering is set to arabic numerals.

```
234 \newcommand{\backmatter}{
235   \if@openright\cleardoubleoddpage\else\clearpage\fi
236   \@mainmatterfalse\pagenumbering{roman}
237 }
```

238 `\report)`

5.4.2 The Logo for Hochschule Hannover

The following macros are responsible for creating the logo. They load a specific page of a PDF file and display it.

`\HsHlogoPath` This macro contains the path to load the PDF from. It defaults to `HSH-Logo.pdf`, which is provided by this project inside the `scr/` folder.

```
239 \newcommand{\HsHlogoPath}{HSH-Logo.pdf}
```

`\HsHlogoPage` This macro stores the page to use from the PDF. It will be set via the documentoption `faculty`.

```
240 \newcommand{\HsHlogoPage}{\HsH@opt@faculty}
```

`\includeHsHlogohere` Calling this macro produces the logo in-place. You can specify the width as an optional argument. The default is 5cm.

If the file provided via `\HsHlogoPath` doesn't exist, the command will produce an error.

```
241 \newcommand{\includeHsHlogohere}[1][5cm]{
242   \IfFileExists{\HsHlogoPath}{
243     \includegraphics[width=#1,page=\HsHlogoPage]{\HsHlogoPath}
244   }{
245     \ClassError{\HsHClassName}{\HsHlogoPath\space not found!}{
246       The HsH Logo is necessary for the titlepage! Try putting it next to your source file or
247     }
248   }
249 }
```

5.4.3 Title matters

250 `*article | report)`

The following commands relate to the creation of the titlepage. They implement how the user can define the different datafields.

First the `\@author` macro is set to `\@empty`, this makes it easier to handle it later.

```
251 \let\@author\@empty
```

`\title` We redefine the `\title` command to take an optional argument. This is stored in the additional `\@shorttitle` macro.

```
252 \renewcommand{\title}[2][]{
253   \gdef\@title{#2}
254   \gdef\@shorttitle{#1}
255 }
```

`\@shorttitle` This new macro stores a short version of the title. This will be used in places where the full title might overflow the available space.

```
256 \def\@shorttitle{\@empty}
```

`\matrikelnr` These macros set and store the matrikel-number (or set of numbers), which will be printed on the titlepage.

```
257 \newcommand{\matrikelnr}[1]{\gdef\@matrikelnr{#1}}
258 \def\@matrikelnr{\@empty}
```

`\professor` These three macros-groups give options to the user to print people's names on the titlepage, who are relevant to the document, but not the author.

```
\secondexaminer 259 \newcommand{\professor}[1]{\gdef\@professor{#1}}
```

```
\@professor 260 \def\@professor{\@empty}
```

```
\@firstexaminer 261 \newcommand{\firstexaminer}[1]{\gdef\@firstexaminer{#1}}
```

```
\@secondexaminer 262 \def\@firstexaminer{\@empty}
```

```
263 \newcommand{\secondexaminer}[1]{\gdef\@secondexaminer{#1}}
```

```
264 \def\@secondexaminer{\@empty}
```

`\keywords` The macro-group defines and holds keywords which describe the document. They are used when printing the abstract as well as in the PDF's meta-data.

```
265 \newcommand{\keywords}[1]{\gdef\@keywords{#1}}
266 \def\@keywords{\@empty}
267 </article | report>
```

5.4.4 Commands for document writing

`\declarationofauthorship` The declaration of authorship is not relevant for the standalone variant.

```
268 <!*standalone>
```

The `pgffor` package is required to handle the loop over the list of authors.

```
269 \RequirePackage{pgffor}
```

Now the command is defined. It takes an optional argument which defaults to `b`.

```
270 \newcommand{\declarationofauthorship}[1][b]{
```

First the argument is passed and an error raised for invalid arguments. Passing in `b` will push the declaration to the bottom of the page and add a horizontal line. Passing `t` simply adds some space.

```
271   \if#1b
272     \vspace*{\fill}
273     \hrule
274   \else\if#1t
275     \vspace*{2em}
276   \else
277     \ClassError{\HsHClassName}{Wrong Parameter for ‘\declarationofauthorship’}{
278       ‘\string\declarationofauthorship’ only accepts ‘t’ and ‘b’ as parameters.
279     }
280   \fi\fi
```

Now the actual declaration can be constructed. It uses the text from `\decofauthname` and `\decofauthtext`.

```
281   \vskip 3em
282   {\centering\bfseries\usekomafont{section}{\decofauthname}\par}
283   \vskip 3em
284   \decofauthtext\par
```

The last step is to loop over all authors by reading `\@author` and creating a signature box for each one. `\thanks` also needs to be cleared, as a footnote wouldn't make sense here.

```
285   \begingroup
286     \renewcommand{\thanks}{\sbox0}
287     \raggedleft
288     \foreach \tmp@ in \@author {
289       \if\tmp@\empty\else
290         \hskip 1em \parbox{4cm}{
291           \vskip 4em
292           \hrule\vskip 4pt
293           \raggedleft\footnotesize\tmp@
294         }%
295       \fi
296     }\par
297   \endgroup
298 }
```

`\ifsingleauthor` To ensure `\decofauthtext` is properly spelled for one or multiple authors, we define a conditional that holds this information. Additionally we check the number of authors `\AtBeginDocument` and store it.

```
299 \newif\ifsingleauthor
300 \AtBeginDocument{
301   \begingroup
302     \newcount\count@
303     \count@=\z@
304     \@for\tmp@:=\@author\do{\advance\count@\@ne}
```

```

305 \ifnum\count@>\@ne\global\singleauthorfalse\else\global\singleauthortrue\fi
306 \endgroup
307 }

```

define the localised texts

```

308 \newcommand{\decofauthname}{Declaration of Authorship}
309 \newcaptionname{english}\decofauthname{Declaration of Authorship}
310 \newcaptionname{german,ngerman}\decofauthname{Selbstst\andigkeitserkl\arung}
311 %
312 \newcommand{\decofauthtext}{Language not supported!}
313 \newcaptionname{english}\decofauthtext{%
314 \ifsingleauthor{I}\else{We}\fi\space hereby certify that the work \ifsingleauthor{I}\else{w
315 \ifsingleauthor{am}\else{are}\fi\space submitting is entirely of \ifsingleauthor{my}\else{our}
316 making except where otherwise indicated. \ifsingleauthor{I}\else{We}\fi\space
317 \ifsingleauthor{am}\else{are}\fi\space aware of regulations concerning plagiarism, including
318 disciplinary actions that may result from it. Any use of the works of any other author, in a
319 is properly acknowledged at their point of use.
320 }
321 \newcaptionname{german,ngerman}\decofauthtext{%
322 Hiermit best\a)tige\ifsingleauthor\else{n}\fi\space \ifsingleauthor{ich}\else{wir}\fi, dass
323 folgende Arbeit eigenst\andig von \ifsingleauthor{mir}\else{uns}\fi\space allein erstellt
324 unter Ber\u)cksichtigung der zur Verf\ung gestellten Aufgabenstellung sowie dem Arbe
325 unter Angabe aller verwendeten Quellen erarbeitet wurde. Die Regelungen und Konsequenzen ein
326 Plagiats, inklusive disziplinarischer Ma\ssnahmen, sind \ifsingleauthor{mir}\else{uns}\fi
327 bewusst. Insbesondere wurden alle Zitate und gedanklichen \U)bernahmenals solche kenntlich
328 }

```

\declarationAuthorship

```

329 \def\declarationAuthorship{%
330 \ClassWarning{HsHClassName}{%
331 Command \string\declarationAuthorship\space is deprecate.\MessageBreak
332 Replace it with \string\declarationofauthorship.
333 }%
334 \declarationofauthorship%
335 }
336 \!stadnalone)

```

5.4.5 Micalanious commands

Utility commands

For writing absolout values, we provide the `\abs{ $\langle equ \rangle$ }` command, which puts groable, vertical bars on both sides of the equation inside.

```

337 \newcommand{\abs}[1]{\ensuremath{\left\vert\right\vert#1\right\vert}}

```

Configuring mathmode-indices

The only hard requirements for documents writing on Hochschule Hannover is, that the indices in mathematic formulas must be typeset in an upright ("steil") font, not the default kursive font. We configure this by first defining a macro to replace the default `\sb` macro. We can than assign this to `_`. For that to work we need to change its catcode to make it modifiable.

Note: You can allways use `\sb` to use the original behaviour for special cases.

```

338 \def\@subinrm#1{\sb{\mathrm{#1}}}
339 {\catcode'\_ =13 \global\let\_ =\@subinrm}

```

\upsubscripts Now we can define a command to activate this new behavior by changing the catcode of `_` to 13, which makes it a normal macro.

```

340 \newcommand\upsubscripts{\catcode'\_ =12}

```

\normalsubscripts To switch back we simply need to reset the catcode of `_` back to the original, which makes it a builidin operator with the default behavior.

```

341 \newcommand\normalsubscripts{\catcode'\_ =8}

```

5.5 Document setup

The following sets up the look and feel of the documents using this classe. All configuration and stylin is done here.

5.5.1 Fonts and text styling

```
342 \RequirePackage{lmodern}
```

5.5.2 Page layout

```
343 \*!standalone>
344 \areaset[current]{0.75\paperwidth}{0.8\paperheight}
345 \if@todos
346   \addtolength\paperwidth{5cm}
347   \addtolength\marginparwidth{5cm}
348 \fi
349 \*!standalone>
```

5.5.3 Styling L^AT_EX default constucts

Floats

```
350 \*!standalone>
```

Floats should alwas prefer the *here* placement, than the *top* of the following page.

```
351 \renewcommand{\fps@figure}{h!t}
352 \renewcommand{\fps@table}{h!t}
```

Floats should be centered by default and the width of the caption box is limited.

```
353 \g@addto@macro\@floatboxreset\centering
354 \setcapwidth{0.8\textwidth}
```

The names of floating enviroments are redefined to show abreviations only.

```
355 \defcaptionname{english}\figurename{Fig.}
356 \defcaptionname{german,ngerman}\figurename{Abb.}
357 \defcaptionname{english}\tablename{Tab.}
358 \defcaptionname{german,ngerman}\tablename{Tab.}
```

For subfigures we need to define a name used in autoreferences.

```
359 \AtBeginDocument{
360   \makeatletter
361   \@ifpackageloaded{subfigure}{
362     \let\subfigureautorefname\figureautorefname
363   }{}%
364   \makeatother
365 }
366 \*!standalone>
```

Lists

For unordert liste the markers are redefined to look a littel nicer.

```
367 \renewcommand{\labelitemi}{\raisebox{.3ex}{\scalebox{0.7}{\bullet$}}}
368 \renewcommand{\labelitemii}{\raisebox{.3ex}{\scalebox{0.7}{\circ$}}}
369 \renewcommand{\labelitemiii}{\raisebox{.1ex}{-}}
370 \renewcommand{\labelitemiv}{\raisebox{-.1ex}{\scalebox{1.3}{\cdot$}}}
```

Misc

We activae one of the commands defined above to make math-indices upright by default.

```
371 \upsubscripts
```

We want a ragged botton instead of spreading the paragraphs over the page.

```
372 \raggedbottom
```

The ruler shown in the top and left margin with the draft option is removed.

```
373 \let\layercontentsmeasure\relax
```

5.5.4 Header and footer

374 `<*article | report>`

The header and footer are styled using the low-level commands provided by the KOMA-Script package `scrlayer-scrpage`.

375 `\RequirePackage{scrlayer-scrpage}`

376 `\FamilyOptions{KOMA}{headsepline,singlespacing=true}`

First we define the new pagestyle `HsHheadings`.

377 `\newpagestyle{HsHheadings}{`

378 `{`

379 `\parbox[b]{\sls@headwidth}{`

380 `\LaTeXraggedright`

381 `\ifx\@shorttitle\@empty\@title\else\@shorttitle\fi`

382 `}%`

383 `}`

384 `{`

385 `\parbox[b]{\sls@headwidth}{`

386 `\LaTeXraggedleft`

387 `\leftmark`

388 `}%`

389 `}`

390 `{`

391 `\parbox[b]{.45\sls@headwidth}{`

392 `\LaTeXraggedright`

393 `\ifx\@shorttitle\@empty\@title\else\@shorttitle\fi`

394 `}%`

395 `\hfill`

396 `\parbox[b]{.45\sls@headwidth}{`

397 `\LaTeXraggedleft`

398 `\headmark`

399 `}%`

400 `}`

401 `(\textwidth,.1pt)`

402 `}{`

403 `{\pagemark}`

404 `{\hfill\pagemark}`

405 `{\hfill\pagemark}`

406 `}`

Than all generic settings are applied:

407 `\clearpairofpagestyles`

408 `\ofoot*{\pagemark}`

409 `\pagestyle{HsHheadings}`

410 `<article>\automark{section}`

411 `<report>\automark{chapter}`

412 `<report>\renewcommand*{\chapterpagestyle}{HsHheadings}`

413 `</article | report>`

5.5.5 Titlepage

`\maketitle` The definition of `\maketitle` is mostly taken from the source-code of the KOMA-Script parentclass, but was modified to create the desired style.

414 `<*article | report>`

415 `\newcommand{\professortext}{Professor}`

416 `\newcommand{\firstexaminertext}{First examiner}`

417 `\newcommand{\secondexaminertext}{Second examiner}`

418 `\newcaptionname{english}\professortext{Professor}`

419 `\newcaptionname{english}\firstexaminertext{First examiner}`

420 `\newcaptionname{english}\secondexaminertext{Second examiner}`

421 `\newcaptionname{german,ngerman}\professortext{Professor(in)/Lehrbeauftragte(r)}`

422 `\newcaptionname{german,ngerman}\firstexaminertext{Erstpr{\u}fer(in)}`

423 `\newcaptionname{german,ngerman}\secondexaminertext{Zweitpr{\u}fer(in)}`

424 `\newtoks\@tabtoks`

425 `\newcommand\addtabtoks[1]{\global\@tabtoks\expandafter{\the\@tabtoks#1}}`


```

426 \newcommand\eadddtabtoks[1]{\edef\mytmp{#1}\expandafter\adddtabtoks\expandafter{\mytmp}}
427 % %%\newcommand*\resettabtoks{\global\@tabtoks{}}
428 \newcommand*\printtabtoks{\the\@tabtoks}
429 \addtokomafont{publishers}{\normalsize}
430 \g@addto@macro\titlepage{\singlespacing}
431 %
432 <article>\renewcommand\maketitle[1][c]{
433 <report>\renewcommand\maketitle[1][l]{
434 \expandafter\ifnum \csname scr@v@3.12\endcsname>\scr@compatibility\relax
435 \else
436 \def\and{%
437 \end{tabular}
438 \hskip 1em \@plus.17fil
439 \begin{tabular}[t]{c}%
440 }
441 \fi
442 <*article>
443 \par
444 \ifx\@uppertitleback\@empty\else
445 \ClassWarning{KOMAClassName}{%
446 non empty \string\uppertitleback\space ignored
447 by \string\maketitle\MessageBreak
448 in 'titlepage=false' mode%
449 }
450 \fi
451 \ifx\@lowertitleback\@empty\else
452 \ClassWarning{KOMAClassName}{%
453 non empty \string\lowertitleback\space ignored
454 by \string\maketitle\MessageBreak
455 in 'titlepage=false' mode%
456 }
457 \fi
458 </article>
459 <report> \begin{titlepage}
460 <article> \begin{group
461 \let\@param#1
462 \ifx\@param\@empty
463 \ClassError{myClassName}{\maketitle\space with empty option}{
464 \maketitle[] has been called (with an empty parameter), this doesn't work.
465 Use \maketitle instead.
466 }
467 \fi
468 <*report>
469 \if@titlepageiscoverpage
470 \edef\titlepage@restore{
471 \noexpand\endgroup
472 \noexpand\global\noexpand\@colht\the\@colht
473 \noexpand\global\noexpand\@colroom\the\@colroom
474 \noexpand\global\vsizethe\vsizethe
475 \noexpand\global\noexpand\@titlepageiscoverpagefalse
476 \noexpand\let\noexpand\titlepage@restore\noexpand\relax
477 }
478 \begin{group
479 \topmargin=\dimexpr \coverpagetopmargin-1in\relax
480 \oddsidemargin=\dimexpr \coverpageleftmargin-1in\relax
481 \evensidemargin=\dimexpr \coverpageleftmargin-1in\relax
482 \textwidth=\dimexpr
483 \paperwidth-\coverpageleftmargin-\coverpagerightmargin\relax
484 \textheight=\dimexpr
485 \paperheight-\coverpagetopmargin-\coverpagebottommargin\relax
486 \headheight=0pt
487 \headsep=0pt
488 \footskip=\baselineskip

```

```

489     \@colht=\textheight
490     \@colroom=\textheight
491     \vsize=\textheight
492     \columnwidth=\textwidth
493     \hsize=\columnwidth
494     \linewidth=\hsize
495     \else
496         \let\titlename@restore\relax
497     \fi
498     \let\footnotesize\small
499     \let\footnoterule\relax
500     \let\footnote\thanks
501 \end{report}
502 \begin{article}
503     \let\titlename@restore\relax
504     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
505     \let\@oldmakefnmark\@makefnmark
506     \renewcommand*\@makefnmark{\rlap{\@oldmakefnmark}}%
507 \end{article}
508 \next@tdpage
509 \ifx\@extratitle\@empty
510 \begin{article}
511     \ifx\@frontispiece\@empty\else \mbox{}\fi
512     \if@twoside\mbox{}\next@tpage\fi
513     \noindent\@frontispiece\next@tdpage
514 \end{article}
515 \else
516 \begin{article}
517     \@makeextratitle
518 \end{article}
519 \noindent\@extratitle
520 \ifx\@frontispiece\@empty
521 \else
522     \next@tpage
523     \noindent\@frontispiece
524 \fi
525 \next@tdpage
526 \end{report}
527 \fi
528 \begin{article}
529     \ifx\@frontispiece\@empty
530     \ifx\@extratitle\@empty\else\next@tdpage\fi
531 \else
532     \next@tpage
533     \@makefrontispiece
534     \next@tdpage
535 \fi
536 \global\@topnum=\z@
537 \end{article}
538 \setparsizes{\z@}{\z@}{\z@+1fil}\par@updaterelative
539 \vspace*{1cm}
540 \begin{minipage}[t]{\textwidth}%
541     \ifx\@titlehead\@empty \else
542     \usekomafont{titlehead}{\@titlehead}%
543     \fi
544     \hfill
545 % image with referencepoint in lower left corner:
546     \raisebox{0pt}[\ht\strutbox][\dp\strutbox]{\includeHSHlogohere}
547 \end{minipage}
548 \raisebox{10pt}{\rule{\textwidth}{0.5pt}}
549 \null
550 \end{article}
551 \vskip 2em
552 \report
553 \vfill
554 \begin{group}

```

```

552 \if\@param c\centering\fi
553 \if\@param r\raggedleft\fi
554 \ifx\@subject\@empty\else
555 {\usekomafont{subject}{\@subject\par}}
556 <article> \vskip 1.5em
557 <report> \vskip 3em
558 \fi
559 {\usekomafont{title}{\huge\@title\par}}
560 <article> \vskip .5em
561 <report> \vskip 1em
562 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}
563 <article|report> \vskip 4em
564 {\ifx\@matrikelnr\@empty
565 \if\@author\@empty\else\usekomafont{author}{
566 \parbox{\dimexpr\linewidth}{
567 \if\@param c\centering\fi
568 \if\@param r\raggedleft\fi
569 \@author
570 }
571 }\fi
572 \else
573 \if\@author\@empty\else
574 % sneaky comma needed after \@matrikelnr to deal with single item lists
575 \foreach \x [count=\i,evaluate=\i as \y using {\@matrikelnr,}\@i-1]] in \@author {
576 \usekomafont{author}{
577 \def\arraystretch{1.2}
578 \if\@param l\begin{tabular}{@{}l l}\printtabtoks\end{tabular}\fi
579 \if\@param c\begin{tabular}{l l}\printtabtoks\end{tabular}\fi
580 \if\@param r\begin{tabular}{r r@{}}\printtabtoks\end{tabular}\fi
581 }%
582 \fi
583 \fi}
584 <article> \vskip 1em
585 <report> \vskip 1.5em
586 {\usekomafont{date}{\@date\par}}
587 <article> \vskip 1em
588 <report> \vskip \z@ \@plus3fill
589 \usekomafont{publishers}{
590 \def\arraystretch{1.2}
591 \if\@param l\begin{tabular}{@{}l l}\fi
592 \if\@param c\begin{tabular}{l l}\fi
593 \if\@param r\begin{tabular}{r r@{}}\fi
594 \if\@professor\@empty\else\textbf{\professortext:}&\@professor\\\fi
595 \if\@firstexaminer\@empty\else\textbf{\firstexaminertext:}&\@firstexaminer\\\fi
596 \if\@secondexaminer\@empty\else\textbf{\secondexaminertext:}&\@secondexaminer\\\fi
597 \end{tabular}
598 }
599 <*article>
600 \ifx\@dedication\@empty\else
601 \vskip 2em
602 {\usekomafont{dedication}{\@dedication \par}}%
603 \fi
604 </article>
605 \par
606 \endgroup
607 <article> \vskip 2em
608 <report> \vskip 3em
609 <article> \ifx\titlepagestyle\@empty\else\thispagestyle{\titlepagestyle}\fi
610 \@thanks\global\let\@thanks\@empty
611 <*report>
612 \vfill\null
613 \if@twoside
614 \@tempwattrue

```

```

615 \expandafter\ifnum \nameuse{scr@v03.12}>\scr@compatibility\relax
616 \else
617 \ifx\@uppertitleback\@empty\ifx\@lowertitleback\@empty
618 \@tempwafalse
619 \fi\fi
620 \fi
621 \if@tempswa
622 \next@tpage
623 \begin{minipage}[t]{\textwidth}
624 \@uppertitleback
625 \end{minipage}\par
626 \vfill
627 \begin{minipage}[b]{\textwidth}
628 \@lowertitleback
629 \end{minipage}\par
630 \@thanks\global\let\@thanks\@empty
631 \fi
632 \else
633 \ifx\@uppertitleback\@empty\else
634 \ClassWarning{KOMAClassName}{%
635 non empty \string\uppertitleback\space ignored
636 by \string\maketitle\MessageBreak
637 in 'twoside=false' mode%
638 }
639 \fi
640 \ifx\@lowertitleback\@empty\else
641 \ClassWarning{KOMAClassName}{%
642 non empty \string\lowertitleback\space ignored
643 by \string\maketitle\MessageBreak
644 in 'twoside=false' mode%
645 }
646 \fi
647 \fi
648 \ifx\@dedication\@empty
649 \else
650 \next@tdpage\null\vfill
651 {\centering\usekomafont{dedication}{\@dedication \par}}%
652 \vskip \z@ \@plus3fill
653 \@thanks\global\let\@thanks\@empty
654 \cleardoubleemptypage
655 \fi
656 \ifx\titlepage@restore\relax\else\clearpage\titlepage@restore\fi
657 \</report>
658 \article \endgroup
659 \report \end{titlepage}
660 \setcounter{footnote}{0}
661 \expandafter\ifnum \csname scr@v03.12\endcsname>\scr@compatibility\relax
662 \let\thanks\relax
663 \let\maketitle\relax
664 \let\@maketitle\relax
665 \global\let\@thanks\@empty
666 \global\let\@author\@empty
667 \global\let\@date\@empty
668 \global\let\@title\@empty
669 \global\let\@subtitle\@empty
670 \global\let\@extratitle\@empty
671 \global\let\@frontispiece\@empty
672 \global\let\@titlehead\@empty
673 \global\let\@subject\@empty
674 \global\let\@publishers\@empty
675 \global\let\@uppertitleback\@empty
676 \global\let\@lowertitleback\@empty
677 \global\let\@dedication\@empty

```

```

678 \global\let\@matrikelnr\@empty
679 \global\let\@prof\@empty
680 \global\let\author\relax
681 \global\let\title\relax
682 \global\let\extratitle\relax
683 \global\let\titlehead\relax
684 \global\let\subject\relax
685 \global\let\publishers\relax
686 \global\let\uppertitleback\relax
687 \global\let\lowertitleback\relax
688 \global\let\dedication\relax
689 \global\let\date\relax
690 \global\let\matrikelnr\relax
691 \global\let\professor\relax
692 \fi
693 \global\let\and\relax
694 }
695 </article | report>

```

6 Change History

v1.00		
General: Initial Version. Official first		\declarationAuthorship, as it got
release	1	replaced by
		\declarationofauthorship 14
v2.00		v3.00
General: This version changes the		General: added typelec package to get
default build-system to latexmk . .	1	better font-scaling 10
v2.01		removed the inputenc package, as
\declarationAuthorship: Deprecate		utf8 is now default 10