The thesisLaTeX class*

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Abstract

This class provides a \LaTeX 2ε template for theses at the Faculty of Physics at the TU Wien. With a little effort it can be adapted to fit any Faculty at any Universit. In the current version, bachelor and master theses as well as dissertations are supported in both English and German.

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1 Introduction

This class provides a LaTeX 2ε template for all theses at the Faculty of Physics at the TU Wien. It can be adapted to fit any Faculty at any Universit. Further information on the document class and accompanying support can be found at https://github.com/MaximilianHoheiser/vutphys. Further guidelines may apply to both the format and structure of certain theses. Thesis authors are advised to consult Section 3 for a documentation of all relevant commands. Information for class developers is provided in Section 4.

2 Known Issues

This class is incompatible with the minitoc package as of version 60, due to the incompatibility of the underlying memoir class. Use the titletoc package as a replacement.

3 Usage for Document Authors

This section contains relevant information for authors of theses that are based on the thesisLaTeX document class.

3.1 Data

To allow the generation of the title pages, signature fields, statements, etc., several pieces of information have to be set by the author using the commands in the subsequent sections. We discern several categories of data: (i) textual data, which is given by a simple text string, (ii) persons, which are defined by their names, optional titles, and their gender, as well as, (iii) dates and (iv) list data, which allow the selection of one argument from a list of permissible arguments. Several commands have polylingual capabilities and support different languages (see Section 3.1.5). A superscript P, i.e., \command^P, indicates such a command.

3.1.1 Textual Data

\setaddress
\setregnumber
\settitle
\setsubtitle
\setcurriculum
\setuniversity
\setfirstreviewerdata
\setsecondreviewerdata
\setfaculty
\setinstitut

All commands in this section are called with one mandatory argument, e.g., as $\command{\langle text \rangle}$, where $\langle text \rangle$ defines the content of the commands. For polylingual commands, given by \command^P , one $\langle text \rangle$ argument has to supplied for each language (see Section 3.1.5). The following textual data can be set:

Command	Role	Type	Optional
\setaddress	Address of the author	All	No
\setregnumber	Registration number of the author	All	No
$\strut_{ m P}$	Title of the thesis	All	No
\slash setsubtitle $^{ m P}$	Subtitle of the thesis	All	Yes
$\$ setcurriculum $^{\mathrm{P}}$	Name of the curriculum	B, M	No
\setuniversity	Name of the university	B, M	No
\setfaculty	Name of the faculty	B, M	No
\setinstitut	Name of the institut	В, М	No

Types: Bachelor (B), Master (M), Doctoral (D), PhD School (P), All (All)

Command	Role	Type	Optional
\setfirstreviewerdata	Affiliation and country of first reviewer	P	No
\setsecondreviewerdata	Affiliation and country of second reviewer	P	No

Types: Bachelor (B), Master (M), Doctoral (D), PhD School (P), All (All)

3.1.2 Persons

\setauthor \setadvisor \setsecondadvisor \setfirstassistant \setsecondassistant \setthirdassistant \setfirstreviewer \setsecondreviewer All commands in this section are called with four mandatory arguments, e.g., as $\command{\langle pretitle \rangle} {\langle name \rangle} {\langle name \rangle} {\langle posttitle \rangle} {\langle gender \rangle}$, where $\langle name \rangle$ defines both the first name(s) and family name(s) of the person. A title that is placed before the name is assigned with $\langle pretitle \rangle$, while a trailing title is given with $\langle posttitle \rangle$. Both $\langle pretitle \rangle$ and $\langle posttitle \rangle$ can be left empty, to indicate an absence of such a title; the insertion of appropriate glue between titles and names is handled by the thesisLaTeX class. The declaration of the persons gender via $\langle gender \rangle$ allows the use of gender-specific terms in languages that support them, e.g., German. The possible options for $\langle gender \rangle$ are male and female (see Section 3.1.4). The following persons can be set:

Command	Role	Type	Optional
\setauthor	Author of the thesis	All	No
\setadvisor	Main advisor of the thesis	All	No
\setsecondadvisor	Second advisor of the thesis	P	Yes
\setfirstassistant	First advising assistant	B, M	Yes
\setsecondassistant	Second advising assistant	B, M	Yes
\setthirdassistant	Third advising assistant	B, M	Yes
\setfirstreviewer	First thesis reviewer	D, P	No
\setsecondreviewer	Second thesis reviewer	D, P	No

Types: Bachelor (B), Master (M), Doctoral (D), PhD School (P), All (All)

3.1.3 Dates

\setdate

All commands in this section are called with three madatory arguments, e.g., as $\command{\langle day \rangle} {\langle month \rangle} {\langle year \rangle}$. The syntax is identical to the last three arguments of the \newdate command of the datetime package, from which these commands derive. The following dates can be set:

Command	Role	Type	Optional	
\setdate	Signing date	All	No	
Types: Bachelor (B) Master (M) Doctoral (D) PhD School (P) All (All)				

3.1.4 List Data

All commands in this section are called with at least one madatory argument called $\langle list \rangle$, e.g., as $\backslash command... \{\langle list \rangle\}...$, where $\langle list \rangle$ is given one element from a set of possible arguments.

\setauthor \setadvisor

When setting a person, the person's gender is specified with a list argument (see Section 3.1.2):

Command	Options	Description
$\label{eq:command} $$ \operatorname{Command}(\langle . \rangle) = (\langle . \rangle) = (\langle list \rangle) $$$	male female	Specifies a male person. Specifies a female person.

\setthesis

The thesis type is selected from one of the fundamental types:

Command	Options	Description
\setthesis $\{\langle list angle \}$	bachelor master doctor phd-school	Specifies a bachelor's thesis. Specifies a master's thesis. Specifies a dissertation. Specifies a dissertation at the Vienna PhD school of Informatics.

\setmasterdegree

With a master's curriculum, different degrees can be achieved and the appropriate type has to be chosen based on the curriculum that the author is enroled in:

Command	Options	Description
\setmasterdegree $\{\langle list \rangle\}$	dipl.	Specifies the degree 'Diplom-Ingenieur(in)'.
	master	Specifies the degree
	rer.nat.	'Master of Science'. Specifies the degree
	rer.nat.	'Magist(er/ra) der Naturwissenschaften'.
	rer.soc.oec.	Specifies the degree 'Magist(er/ra) der Sozial- und Wirtschaftswissenschaften'.

\setdoctordegree

With a doctorate study, different degrees can be achieved and the appropriate type has to be chosen based on the program that the author is enrolled in:

Command	Options	Description
\setdoctordegree $\{\langle list \rangle\}$	techn.	Specifies the degree 'Doktor(in) der Technischen' Wissenschaften'.
	rer.nat.	Specifies the degree 'Doktor(in) der Naturwissenschaften'.
	rer.soc.oec.	Specifies the degree 'Doktor(in) der Sozial- und Wirtschaftswissenschaften'.

3.1.5 Polylingual Data

\setcurriculum

Used as $\setcurriculum{\langle english\rangle}{\langle german\rangle}$, it sets the name of the curriculum that the student is enroled in. The name can be given in English, with $\langle english\rangle$, and in German, with $\langle german\rangle$. Note that the curriculum name does not need to be supplied for all thesis types, since, e.g., doctoral studies do not have a curriculum per se. If a title page of one of the languages is not used, the corresponding argument can be left empty.

\settitle

Used as $\settitle{\langle english\rangle}{\langle german\rangle}$, it sets the title of the thesis. The title can be given both in an English version, with $\langle english\rangle$, and in a German version, with $\langle german\rangle$. For title pages in a given language, the corresponding title will be used. Unused languages can be supplied as empty brackets and it is possible to use the English or German title for both language versions.

\setsubtitle

Used as $\setsubtitle{\langle english\rangle}{\langle german\rangle}$, it sets the subtitle of the thesis. The same specifications as for \settitle apply.

\setfaculty

Use as $\setfaculty{\langle englisch\rangle}{\langle german\rangle}$, it sets the faculty name both in en-

glisch and in german, if bot the englisch and the german titlepage are used, both names mutst be supplied.

\setinstitut

Use as $\operatorname{setinstitut}_{{\langle english\rangle}}_{{\langle german\rangle}}$, it specifies a name for yout institut, like the $\operatorname{setinstitut}$ macro depending on which tilepage is used, the german and, or the english name must be supplied.

\addtitlepage

The titlepage can be generated in the following languages (see Section 3.2):

Command	Options	Description
$\verb \verb addtitlepage{ $	english naustrian	Generates an English title page. Generates a German title page.

Note that a non-English title page is not yet available for a dissertation at the Vienna PhD School.

3.2 Layout

Most of the data that is supplied with the commands of the previous sections is used to generate the front matter of the thesis. It consists of obligatory items such as the title page(s) and the statement of originality as well as optional items such as the acknowledgements or the abstract in different languages. In the remainder of this section, the available items of the front matter are given.

\setlogo

Used as $\setlogo\{\langle UNins\rangle\}\$, where $\langle UN\rangle$ are the first two Letters of your university and $\langle ins\rangle$ are the first tree letters of your institut. The Logo-File must be a vektor graphic with the .eps format. to create your own, use the given ones as referenc.

\addtitlepage

Used as $\addtitlepage{\langle lang \rangle}$, where $\langle lang \rangle$ is the name of a language as given in the babel package (see Section 3.1.4). The necessary pieces of information have to be set beforehand (as described in Section 3.1). This command is usually used directly after $\begin{described} begin{described} begin{des$

\addstatementpage

Used as \addstatementpage, it generates a page with the statement of originality.

acknowledgements acknowledgements*

Used as <text> this environment generates a chapter with the English acknowledgements, this environment generates a chapter with the English acknowledgements. Use the starred version, i.e., acknowledgements*, to remove the table of content entry of this environment.

danksagung*

Used as $\ensuremath{\texttt{begin}\{\text{danksagung}\}\ensuremath{\texttt{danksagung}\}}$, this environment generates a chapter with the German acknowledgements. Use the starred version, i.e., danksagung*, to remove the table of content entry of this environment.

abstract*

Used as $\ensuremath{\verb| begin{abstract||} \langle text|| \ensuremath{\verb| lext||} \langle text|| \ensuremath{\| lext||} \langle text|| \ensuremat$

kurzfassung*

Used as $\ensuremath{\mbox{\mbox{$\setminus$}}{\rm kurzfassung}}\$, this environment generates a chapter with the German abstract. Use the starred version, i.e., kurzfassung*, to remove the table of content entry of this environment.

All the above sections are displayed without chapter header, chapter or section numbering and are listed and are numberd in the table of contents with roman numbers.

4 Usage for Class Writers

To accommodate shifting requirements, the thesisLaTeX class provides various convenience functions that allow the modification and extension of its functionality.

4.1 Data

To compose several parts of the thesis layout, input from the thesis author is required. For the vutinfth class, this is realized by the commands provided in Section 3.1. Additional data can be defined with the the commands in the remainder of this section.

\CreateData

Used as $\c as \c as \c$

\CreatePerson

Argument	Internal Variable
	$\verb \vutinfth@person@ \langle name \rangle @ \texttt{def}$
$\langle pretitle \rangle$	$\verb \vutinfth@person@ \langle name \rangle @pretitle $
$\langle personname \rangle$	$\verb \vutinfth@person@ \langle name \rangle @ \texttt{name} $
$\langle posttitle \rangle$	$\verb \vutinfth@person@ \langle name \rangle \\ @posttitle$
$\langle gender angle$	$\operatorname{vutinfth@person@}\langle name \rangle$ @gender

 command \vutinfth@person@\(name \) @fullname returns the person's name together with existing titles and correct whitespace in between. The person's gender is either \vutinfth@person@male or \vutinfth@person@female, depending on the input. See Section 5.2.6 for examples.

\AddLanguage

Used as $\AddLanguage{\langle lang \rangle}$, it enables the language $\langle lang \rangle$ to by used by polylingual expressions. $\langle lang \rangle$ has to be chosed from the languages of the babel package that is used by this class. Currently, thesisLaTeX uses two languages, i.e., english for English expressions and naustrian for German expressions.

\CreatePolylingual

Used as $\colongraphical(expressions)] {(name)}$, it generates a command $\tolongraphical(expressions)] {(name)}$, it generates a command $\tolongraphical(expressions)]$ that selects the approximate expression based on the current language at the time of use. The argument $\tolongraphical(expressions)]$ is a list of elements of the form $\tolongraphical(expressions)]$, where each element defines the expression for a valid language, e.g., $\tolongraphical(expressions)]$ has to be chosen from the languages that were defined via $\tolongraphical(expressions)]$ has to be chosen from the languages that uppercase letter is assigned to a name that starts with an uppercase letter. The same holds for uppercase words, e.g.,

\CreatePolylingual[english=advisor,naustrian=Betreuer]{advisor}\CreatePolylingual[english=Advisor,naustrian=Betreuer]{Advisor}\CreatePolylingual[english=ADVISOR,naustrian=BETREUER]{ADVISOR}. See Section 5.2.6 for examples.

4.2 Layout

Several key elements in the layout of the frontmatter are encapsulated to allow a convenient extension of this functionality.

\SignatureFields

Used as \SignatureFields[$\langle mode \rangle$]{ $\langle center \rangle$ }{ $\langle right \rangle$ }, it creates a place and date description and/or one or two signature fields. $\langle mode \rangle$ can be set to y, which adds an entry with date and place to the left, to h, which adds the corresponding whitespace, or to n, which adds nothing. If text is supplied to $\langle center \rangle$, it is added below a rule, right to the possible date and place entry. If text is supplied to $\langle right \rangle$, it is added below a rule, right to the possible signature field created by $\langle center \rangle$. This command ensures a uniform width and positioning of the signature fields on both the title pages and the statement of originality.

\SignatureBlock

Used as \SignatureBlock, it generates the signature fields for both author and advisor.

\ReviewerBlock

Used as \ReviewerBlock, it generates the signature fields for both reviewers

\AdvisorBlock

Used as \AdvisorBlock, it generates the name fields for both the advisor and the potential assistants.

\AddTitlePage

Used as \AddTitlePage, it generates a title page in the current language. This

command contains the placement of the header graphics, the footer, the appropriate blocks, etc.

\AddStatementPage

Used as \AddStatementPage, it generates a chapter with the statement of originality together with the author's signature field.

SFFont

Alters the sans serif font inside the environment. Called with one mandatory argument as $\ensuremath{\texttt{SFFont}}{\langle family \rangle}$, which determines the sans serif font family that should be used, e.g., phv for Helvetica.

5 Implementation

5.1 Initialization

5.1.1 Class Options

Pass the options to the underlying memoir class.

- 1 \DeclareOption*{%
- 2 \PassOptionsToClass{\CurrentOption}{memoir}%
- 3 }%
- 4 \ProcessOptions\relax

5.1.2 Loaded Class and Packages

The thesisLaTeX class is based on the memoir class.

- $\label{loadClass} $$ \Delta \alpha (a4paper,11pt) {memoir} % $$$
- 6 \chapterstyle{veelo}%

The following packages are required for the functionality and style of the document class.

- 7 \RequirePackage[scaled]{helvet}%
- 9 \RequirePackage{courier}%
- 10 \RequirePackage[T1]{fontenc}%
- 11 \RequirePackage[english,naustrian]{babel}%
- 12 \RequirePackage[nodayofweek]{datetime}%
- 13 \RequirePackage{geometry}%
- 14 \RequirePackage{calc} %
- 15 \RequirePackage{etoolbox}%
- 16 \RequirePackage{graphicx}%
- 17 \graphicspath{{graphics/}}%

To use subfolders for each section in the graphics directory each subfolder hase to be defind in the main thesis.tex file as a search path for latex eg:

\graphicspath{{../graphics/chapter01}{../graphics/chapter02/}} where the .. is used, so that each chapter can be placed in a subfolder relative to the main thesis.tex file and still find the correct path for the graphics.

5.1.3 Low-Level Functionality

This section provides low-level functionality for macro definitions and macro expansions.

\@namexdef Globally defines a control sequence with an expanded argument.

18 \newcommand{\@namexdef}[1]{\expandafter\xdef\csname#1\endcsname}%

\ifestrequal A variant of \ifstrequal that fully expands the first two arguments.

```
19 \newcommand{\ifestrequal}[4]{%
20 \begingroup
21 \edef\thesisLaTeX@tempa{{#1}}%
22 \edef\thesisLaTeX@tempb{{#2}}%
23 \expandafter\expandafter\ifstrequal
24 \expandafter\thesisLaTeX@tempa\thesisLaTeX@tempb{#3}{#4}%
25 \endgroup
26 }%
```

5.1.4 Fonts

\thesisLaTeX@HUGE
\thesisLaTeX@huge
\thesisLaTeX@LARGE
\thesisLaTeX@Large
\thesisLaTeX@large
\thesisLaTeX@normalsize

Initializes the font sizes.

SFFont Selects the given font family as sans serif font.

33 \newenvironment{SFFont}[1]{%

Stores the current sans serif font in \thesisLaTeX@f@family@tmp and changes to the given sans serif font.

```
34 \begingroup
35 \sffamily
36 \global\let\thesisLaTeX@f@family@tmp=\f@family
37 \endgroup
38 \renewcommand{\sfdefault}{#1}%
```

In case the outer scope is already sans serif, the new font has to be activated.

```
39 \ifdefstrequal{\f0family}{\thesisLaTeX0f0family0tmp}{\sffamily}{}% 40 }{%
```

The scope of the font change is the environment itself. Thus, no cleanup code is required in case the outer scope was already sans serif.

```
41 \renewcommand{\sfdefault}{\thesisLaTeX@f@family@tmp}% 42 }%
```

5.2 Data

5.2.1 Dates

\setdate Creates the internal storage for the signing date.

```
43 \neq 1 \ \newcommand{\setdate}[3]{% \newdate{thesisLaTeX@date@signing}{#1}{#2}{#3}% 45}%
```

5.2.2 Textual Data

\thesisLaTeX@def@data Creates the internal storage for simple data entries.

```
46 \newcommand{\thesisLaTeX@def@data}[2]{%
47 \@namedef{thesisLaTeX@data@#1@def}{}%
48 \@namedef{thesisLaTeX@data@#1}{#2}%
49 }%
```

\thesisLaTeX@def@data@invalid Initializes the internal storage with error messages.

```
50 \newcommand{\thesisLaTeX@def@data@invalid}[2]{%
51 \@namedef{thesisLaTeX@data@#1@error}{%
52 \ClassError{thesisLaTeX}{No #2 issued}{Set #1 with #2.}%
53 }%
54 \@namedef{thesisLaTeX@data@#1}{\@nameuse{thesisLaTeX@data@#1@error}}%
55 }%
```

\CreateData Issues the construction of a setter function for a data entry given by \setdata.

```
56 \newcommand{\CreateData}[1]{%
57 \@namedef{set#1}##1{%
58 \thesisLaTeX@def@data{#1}{##1}%
59 }%
60 \thesisLaTeX@def@data@invalid{#1}{\string\set#1}%
61 }%
```

5.2.3 Persons

\vutinfth@person@male \vutinfth@person@female Two genders are differentiated for each person: male and female.

- 62 \newcommand{\vutinfth@person@male}{male}%
- $63 \mbox{ $\mbox{$\mbox{\sim} ommand{\wwtinfth@person@female}{female}$} \label{female} $$$

\ifmale \iffemale Convenience macros to determine the gender of a person.

```
64 \newcommand{\ifmale}[2]{%
65 \ifcsstring{vutinfth@person@#1@gender}{\vutinfth@person@male}{#2}{}%
66 }%
67 \newcommand{\iffemale}[2]{%
```

\vutinfth@def@person

Creates the internal storage for a person's name, titles and gender.

```
70 \newcommand{\vutinfth@def@person}[5]{%
71
    \@namedef{vutinfth@person@#1@def}{}%
    \@namedef{vutinfth@person@#1@pretitle}{#2}%
72
    \@namedef{vutinfth@person@#1@name}{#3}%
73
    \@namedef{vutinfth@person@#1@posttitle}{#4}%
74
    \ifdefstring{\vutinfth@person@male}{#5}{%
75
      \Onamedef{vutinfthOpersonO#1Ogender}{\vutinfthOpersonOmale}%
76
77
    }{}%
    \ifdefstring{\vutinfth@person@female}{#5}{%
78
79
      \Onamedef{vutinfthOpersonO#1Ogender}{\vutinfthOpersonOfemale}%
80
    }{}%
```

For the full name, additional spaces have to be inserted depending on the presence of pre- or posttitles.

```
\ifstrempty{#3}{%
81
      \ifstrempty{#2}{%
82
        \Onamedef{thesisLaTeXOpersonO#1Ofullname}{#4}%
83
84
      }{%
85
        \ifstrempty{#4}{%
           \Onamedef{thesisLaTeXOpersonO#1Ofullname}{#2}%
86
87
           \Onamedef{thesisLaTeXOpersonO#1Ofullname}{#2 #4}%
88
        }%
89
      }%
90
91
    }{%
      \ifstrempty{#2}{%
92
93
        \ifstrempty{#4}{%
           \@namedef{thesisLaTeX@person@#1@fullname}{#3}%
94
95
           \Onamedef{thesisLaTeXOpersonO#1Ofullname}{#3, #4}%
96
        }%
97
```

```
}{%
98
          \ifstrempty{#4}{%
99
            \Onamedef{thesisLaTeXOpersonO#1Ofullname}{#2 #3}%
100
101
            \Onamedef{thesisLaTeXOpersonO#1Ofullname}{#2 #3, #4}%
102
103
         }%
104
       }%
     }%
105
106 }%
```

thesisLaTeX@def@person@invalid Initializes the internal storage with error messages.

```
107 \newcommand{\thesisLaTeX@def@person@invalid}[2]{\%
                      \verb|\coloredge| The sisLaTeX@person@#1@error|{%|} % The sisLaTeX@p
108
                               \ClassError{thesisLaTeX}{No #2 issued}{Set #1 with #2.}%
109
110
                      \@namedef{thesisLaTeX@person@#1@name}{%
111
                               \@nameuse{thesisLaTeX@person@#1@error}}%
112
                      \@namedef{thesisLaTeX@person@#1@pretitle}{%
113
                               \@nameuse{thesisLaTeX@person@#1@error}}%
114
                      \@namedef{thesisLaTeX@person@#1@posttitle}{%
115
                               \@nameuse{thesisLaTeX@person@#1@error}}%
116
117
                      \@namedef{thesisLaTeX@person@#1@gender}{%
118
                               \@nameuse{thesisLaTeX@person@#1@error}}%
                      \@namedef{thesisLaTeX@person@#1@fullname}{%
119
                               \@nameuse{thesisLaTeX@person@#1@error}}%
120
121 }%
```

\CreatePerson Issues the construction of a setter function for a person given by \setperson.

```
122 \newcommand{\CreatePerson}[1]{%
123 \@namedef{set#1}##1##2##3##4{%
124 \thesisLaTeX@def@person{#1}{##1}{##2}{##3}{##4}%
125 }%
126 \thesisLaTeX@def@person@invalid{#1}{\string\set#1}%
127 }%
```

5.2.4 Polylingual Text

This class supports bi- and polylingual text via a key-value mechanism. See the \CreatePolylingual command further down for the actual definition of polylingual expressions.

\AddLanguage

Constructs the temporary variables and the permanent storage for polylingual text in the given language.

128 \newcommand{\AddLanguage}[1]{%

First, the key for the current language, given by its name in the babel package, is created. Keys of the keyval package are internally stored as KV@family@keyname, where we use thesisLaTeX as family name and the argument as key name. The value that is given to this key as part of a function argument is assigned to a temporary storage.

```
129 \@namedef{KV@thesisLaTeX@#1}##1{%
130 \@namedef{thesisLaTeX@current@#1}{##1}%
131 }%
```

The key value is initialized as empty.

```
132 \@nameuse{KV@thesisLaTeX@#1}{}%
```

The transfer from temporary to permanent storage is achieved by adding code to the already existing transfer routine. This causes each new language to issue the transfer for the previously defined language.

```
133 \ifundef{\thesisLaTeX@allocate@polylingual}{%
```

Define the transfer function, if it has not been defined so far.

Store the current transfer function via \let to allow recursion.

```
136 \@namelet{thesisLaTeX@allocate@polylingual@#1}%
137 \thesisLaTeX@allocate@polylingual
```

Define the transfer function to permanent storage.

```
138 \renewcommand{\thesisLaTeX@allocate@polylingual}[1]{%
```

Call the transfer routine of the previously defined language.

```
139 \Onameuse{thesisLaTeX@allocate@polylingual@#1}{##1}%
```

To define the permanent storage, \@namexdef is used the definition's scope has to be global.

```
140 \@namexdef{thesisLaTeX@##1@#1}{%
141 \ifcsempty{thesisLaTeX@current@#1}{%
```

In draft mode we mark unassigned languages, i.e., polylingual expression that were not defined for a language that is in use when the polylingual expression is called.

```
146 }\fi
147 }{%
```

The use of \@namexdef expands the content of the temporary storage before assigning it to the permanent one.

```
148 \@nameuse{thesisLaTeX@current@#1}%
149 }%
150 }%
151 }%
```

At time of usage, the language, which is given as an argument, is checked against the currently active language.

```
152 \ifundef{\thesisLaTeX@selectlanguage@polylingual}{%
```

Define the language selection function, if it has not been defined so far.

```
153 \newcommand{\thesisLaTeX@selectlanguage@polylingual}[1]{\@empty}% 154 }{}%
```

Store the current selection function via \let to allow recursion.

```
155 \@namelet{thesisLaTeX@selectlanguage@polylingual@#1}%
156 \thesisLaTeX@selectlanguage@polylingual
```

Define the selection function.

```
157 \renewcommand{\thesisLaTeX@selectlanguage@polylingual}[1]{%
```

Call the selection routine of the previously defined language.

```
158 \@nameuse{thesisLaTeX@selectlanguage@polylingual@#1}{##1}%
```

The currently active language is given by \languagename. If it matches the language, which was supplied as the argument, the content of the current permanent storage is returned.

```
159 \ifdefstring{\languagename}{#1}{\@nameuse{thesisLaTeX@##1@#1}}{}% 160 }% 161}%
```

\CreatePolylingual

Creates the actual polylingual expressions.

```
162 \newcommand{\CreatePolylingual}[2][]{%
163 \begingroup
```

The key-value pairs of the optional argument define the text that is returned for the respective languages. We use thesisLaTeX as the family name for the keys.

```
164 \setkeys{thesisLaTeX}{#1}%
```

Each key was already assigned a temporary storage, whose content has to be transfered to permanent storage.

```
\thesisLaTeX@allocate@polylingual{#2}%
165
166
     \endgroup
```

The mandatory argument $\{\langle arg \rangle\}$ is used to define the macro that returns the appropriate text for the currently active language.

```
\@namedef{thesisLaTeX@polylingual@#2}{%
       \thesisLaTeX@selectlanguage@polylingual{#2}}%
168
169 }%
```

5.2.5Thesis Types

(@thesis@basetype@undergraduate LaTeX@thesis@basetype@graduate Two thesis categories are differentiated: undergraduate and graduate.

```
170 \ensuremath{\mbox{\command}{\mbox{\command}{\mbox{\command}{\mbox{\command}{\mbox{\command}{\mbox{\command}{\mbox{\command}{\mbox{\command}{\mbox{\command}{\mbox{\command}{\mbox{\command}{\mbox{\command}{\mbox{\command}{\mbox{\command}{\mbox{\command}{\mbox{\command}{\mbox{\command}{\mbox{\command}{\mbox{\command}{\mbox{\command}{\mbox{\command}{\mbox{\command}{\mbox{\command}{\mbox{\command}{\mbox{\command}{\mbox{\command}{\mbox{\command}{\mbox{\command}{\mbox{\command}{\mbox{\command}{\mbox{\command}{\mbox{\command}{\mbox{\command}{\mbox{\command}{\mbox{\command}{\command}{\mbox{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\command}{\c
171 thesisLaTeX@undergraduate}%
172 \newcommand{\thesisLaTeX@thesis@basetype@graduate}{%
```

thesisLaTeX@graduate}%

\ifundergraduate \ifgraduate

Convenience macros to determine the category of the selected thesis type.

```
174 \newcommand{\ifundergraduate}[1]{%
    \ifestrequal{\thesisLaTeX@thesis@basetype}{%
       \thesisLaTeX@thesis@basetype@undergraduate
176
177 }{#1}{}%
178 }%
179 \newcommand{\ifgraduate}[1]{%
    \ifestrequal{\thesisLaTeX@thesis@basetype}{%
       \thesisLaTeX@thesis@basetype@graduate
182
   }{#1}{}%
183 }%
```

LaTeX@thesis@doctortype@doctor esisLaTeX@thesis@doctortype@phd

Two doctor thesis categories are differentiated: doctor and phd, where the latter is for dissertation in the context of the Vienna PhD School of Informatics.

```
184 \newcommand{\thesisLaTeX@thesis@doctortype@doctor}{%
185 thesisLaTeX@doctor}%
186 \newcommand{\thesisLaTeX@thesis@doctortype@phd}{%
    thesisLaTeX@phd}%
```

\ifdoctor Convenience macros to determine the category of the selected doctor thesis type. \ifphd These need to be nested inside \ifgraduate conditions.

```
188 \newcommand{\ifdoctor}[1]{%
189
   190
    \thesisLaTeX@thesis@doctortype@doctor
```

```
193 \newcommand{\ifphd}[1]{%
                                     \ifestrequal{\thesisLaTeX@thesis@doctortype}{%
                                 194
                                        \thesisLaTeX@thesis@doctortype@phd
                                195
                                 196
                                     }{#1}{}%
                                197 }%
  \thesisLaTeX@thesis@basetype
                                Initialize the thesis category, the type and the specific degree with error messages.
\thesisLaTeX@thesis@doctortype
                                 198 \newcommand{\thesisLaTeX@thesis@basetype}{%
\thesisLaTeX@thesis@thesisname
                                      \ClassError{thesisLaTeX}{No \string\setthesis \space issued}{%
\thesisLaTeX@thesis@degreename
                                200
                                        Set thesis type with \string\setthesis.}%
                                201 }%
                                202 \newcommand{\thesisLaTeX@thesis@doctortype}{%
                                      \ClassError{thesisLaTeX}{No \string\setthesis \space issued}{%
                                203
                                        Set thesis type with \string\setthesis.}%
                                204
                                205 }%
                                206 \newcommand{\thesisLaTeX@polylingual@degreename}{\%
                                      \ClassError{thesisLaTeX}{No \string\setthesis \space issued}{%
                                208
                                        Set thesis type with \string\setthesis.}%
                                209 }%
                                210 \newcommand{\thesisLaTeX@polylingual@thesisname}{%
                                      \ClassError{thesisLaTeX}{No \string\setthesis \space issued}{%
                                212
                                        Set thesis type with \string\setthesis.}%
                                213 }%
  \thesisLaTeX@thesis@bachelor
                                Four main thesis types are differentiated: bachelor, master, doctor, and
    \thesisLaTeX@thesis@master
                                phd-school.
    \thesisLaTeX@thesis@doctor
                                214 \newcommand{\thesisLaTeX@thesis@bachelor}{bachelor}%
       \thesisLaTeX@thesis@phd
                                215 \newcommand{\thesisLaTeX@thesis@master}{master}%
                                216 \newcommand{\thesisLaTeX@thesis@doctor}{doctor}%
                                217 \newcommand{\thesisLaTeX@thesis@phd}{phd-school}%
                                Internal convenience macros.
               \@setthesisname
               \@setdegreename
                                218 \newcommand{\@setthesisname}[1]{%
       \@setgendereddegreename
                                219 \renewcommand{\thesisLaTeX@polylingual@thesisname}{#1}}%
                                220 \newcommand{\@setdegreename}[1]{%
                                221 \renewcommand{\thesisLaTeX@polylingual@degreename}{#1}}%
                                222 \newcommand{\@setgendereddegreename}[2]{%
                                223 \ifmale{author}{\@setdegreename{#1}}%
                                224 \iffemale{author}{\@setdegreename{#2}}%
                                225 }%
                    \setthesis Sets the thesis type.
                                226 \newcommand{\setthesis}[1]{\%
                                227 \ifdefstring{\thesisLaTeX@thesis@bachelor}{#1}{%
```

191 }{#1}{}%

192 }%

```
Initializes bachelor thesis type.
```

```
228
       \renewcommand{\thesisLaTeX@thesis@basetype}{%
229
         \thesisLaTeX@thesis@basetype@undergraduate}%
230
       \@setthesisname{\thesisLaTeX@polylingual@BACHELORTHESIS}%
       \@setdegreename{\thesisLaTeX@polylingual@Bdeg}%
231
232
     }{}%
233
     \ifdefstring{\thesisLaTeX@thesis@master}{#1}{%
Initializes master thesis type.
       \renewcommand{\thesisLaTeX@thesis@basetype}{%
234
         \thesisLaTeX@thesis@basetype@undergraduate}%
235
236
       \@setthesisname{%
237
         \ClassError{thesisLaTeX}{No \string\setmasterdegree \space issued}{%
           Set masterdegree with \string\setmasterdegree.}%
238
239
      }%
240
       \@setdegreename{%
         \ClassError{thesisLaTeX}{No \string\setmasterdegree \space issued}{%
241
           Set master degree with \string\setmasterdegree.}%
242
      }%
243
     }{}%
244
     245
Initializes doctor thesis type.
      \renewcommand{\thesisLaTeX@thesis@basetype}{%
246
        \thesisLaTeX@thesis@basetype@graduate}%
247
      \renewcommand{\thesisLaTeX@thesis@doctortype}{%
248
        \thesisLaTeX@thesis@doctortype@doctor}%
249
      \@setthesisname{\thesisLaTeX@polylingual@DOCTORTHESIS}%
250
251
      \@setdegreename{%
        \ClassError{thesisLaTeX}{No \string\setdoctordegree \space issued}{%
252
         Set doctor degree with \string\setdoctordegree.}%
253
     }%
254
     ጉ ና ጉ %
255
     \ifdefstring{\thesisLaTeX@thesis@phd}{#1}{%
256
Initializes phd-school thesis type.
      \renewcommand{\thesisLaTeX@thesis@basetype}{%
257
258
        \thesisLaTeX@thesis@basetype@graduate}%
      \renewcommand{\thesisLaTeX@thesis@doctortype}{%
259
        \thesisLaTeX@thesis@doctortype@phd}%
260
      \@setthesisname{\thesisLaTeX@polylingual@PHDTHESIS}%
261
262
     263
    }{}%
264 }%
```

```
rer.soc.oec..
thesisLaTeX@thesis@mdeg@master
thesisLaTeX@thesis@mdeg@rernat
                                  265 \newcommand{\thesisLaTeX@thesis@mdeg@dipl}{dipl.}%
esisLaTeX@thesis@mdeg@rersocoec
                                  266 \newcommand{\thesisLaTeX@thesis@mdeg@master}{master}%
                                  267 \mbox{ \newcommand{\thesisLaTeX@thesis@mdeg@rernat}{rer.nat.}\%}
                                  268 \newcommand{\thesisLaTeX@thesis@mdeg@rersocoec}{rer.soc.oec.}%
               \setmasterdegree
                                 Sets the specific master degree.
                                  269 \newcommand{\setmasterdegree}[1]{%
                                       \ifdefstring{\thesisLaTeX@thesis@mdeg@dipl}{#1}{%
                                  270
                                  271
                                         \@setthesisname{\thesisLaTeX@polylingual@DIPLOMATHESIS}%
                                  272
                                         \@setgendereddegreename{%
                                           \thesisLaTeX@polylingual@MdegDiplMale
                                  273
                                  274
                                         ጉ ና %
                                           \thesisLaTeX@polylingual@MdegDiplFemale
                                  275
                                         }%
                                  276
                                  277
                                       }{}%
                                  278
                                       \ifdefstring{\thesisLaTeX@thesis@mdeg@master}{#1}{%
                                         \@setthesisname{\thesisLaTeX@polylingual@MASTERTHESIS}%
                                  279
                                         \@setdegreename{\thesisLaTeX@polylingual@MdegMaster}%
                                  280
                                  281
                                       \ifdefstring{\thesisLaTeX@thesis@mdeg@rernat}{#1}{%
                                  282
                                         \@setthesisname{\thesisLaTeX@polylingual@MASTERTHESIS}%
                                  283
                                  284
                                         \@setgendereddegreename{%
                                           \thesisLaTeX@polylingual@MdegRerNatMale
                                  285
                                  286
                                           \thesisLaTeX@polylingual@MdegRerNatFemale
                                  287
                                         }%
                                  288
                                       }{}%
                                  289
                                  290
                                       \ifdefstring{\thesisLaTeX@thesis@mdeg@rersocoec}{#1}{%
                                  291
                                         \@setthesisname{\thesisLaTeX@polylingual@MASTERTHESIS}%
                                         \@setgendereddegreename{%
                                  292
                                  293
                                           \thesisLaTeX@polylingual@MdegRerSocOecMale
                                  294
                                         }{%
                                           \thesisLaTeX@polylingual@MdegRerSocOecFemale
                                  295
                                         }%
                                  296
                                  297
                                       }{}%
```

thesisLaTeX@thesis@ddeg@rernat \thesisLaTeX@thesis@ddeg@techn esisLaTeX@thesis@ddeg@rersocoec

\thesisLaTeX@thesis@mdeg@dipl

Three doctor degrees can be selected: rer.nat., techn., and rer.soc.oec..

```
299 \newcommand{\thesisLaTeX@thesis@ddeg@rernat}{rer.nat.}%
300 \newcommand{\thesisLaTeX@thesis@ddeg@techn}{techn.}%
301 \newcommand{\thesisLaTeX@thesis@ddeg@rersocoec}{rer.soc.oec.}%
```

Four master degrees can be selected: dipl., master, rer.nat., and

\setdoctordegree Sets the specific doctor degree.

298 }%

302 \newcommand{\setdoctordegree}[1]{%

```
\ifdefstring{\thesisLaTeX@thesis@ddeg@rernat}{#1}{%
303
       \@setgendereddegreename{%
304
         \thesisLaTeX@polylingual@DdegRerNatMale
305
       }{%
306
         \thesisLaTeX@polylingual@DdegRerNatFemale
307
       }%
308
309
     }{}%
     \ifdefstring{\thesisLaTeX@thesis@ddeg@techn}{#1}{%
310
       \@setgendereddegreename{%
311
         \verb|\thesisLaTeX@polylingual@DdegTechnMale| \\
312
       }{%
313
         \thesisLaTeX@polylingual@DdegTechnFemale
314
       }%
315
     }{}%
316
     \ifdefstring{\thesisLaTeX@thesis@ddeg@rersocoec}{#1}{%
317
       \@setgendereddegreename{%
318
         \thesisLaTeX@polylingual@DdegRerSocOecMale
319
320
321
         \thesisLaTeX@polylingual@DdegRerSocOecFemale
322
       }%
    }{}%
323
324 }%
```

5.2.6 Declarations

Textual Data Creates the required textual data entries.

```
325 \CreateData{address}%
326 \CreateData{regnumber}%
327 \CreateData{firstreviewerdata}%
328 \CreateData{secondreviewerdata}%
```

Persons Creates the required person entries.

```
329 \CreatePerson{author}%
330 \CreatePerson{advisor}%
331 \CreatePerson{secondadvisor}%
332 \CreatePerson{firstassistant}%
333 \CreatePerson{secondassistant}%
334 \CreatePerson{thirdassistant}%
335 \CreatePerson{firstreviewer}%
336 \CreatePerson{secondreviewer}%
```

Languages Adds the desired languages to the polylingual expressions. All added languages have to be given as arguments to the babel package.

```
337 \AddLanguage{english}% 338 \AddLanguage{naustrian}%
```

PolyLinguals Creates the polylingual expressions.

```
339 \CreatePolylingual[
340 english=Advisor,
341
    naustrian=Betreuung]{Advisor}%
342 \CreatePolylingual[
     english=Second advisor]{Secondadvisor}%
344 \CreatePolylingual[
     english=submitted in partial fulfillment of the requirements
345
346
       for the degree of,
    naustrian=zur Erlangung des akademischen Grades]{submission}%
347
348 \CreatePolylingual[
349 english=in,
350 naustrian=im Rahmen des Studiums]{in}%
351 \CreatePolylingual[
352 english=within the]{within}%
353 \CreatePolylingual[
     english=Vienna PhD School of Informatics]{School}%
355 \CreatePolylingual[
356 english=by,
    naustrian=eingereicht von]{by}%
357
358 \CreatePolylingual[
359 english=Registration Number,
360 naustrian=Matrikelnummer]{Registrationnumber}%
361 \CreatePolylingual[
    english=to the Faculty of Informatics,
363 naustrian=an der Fakult\"at f\"ur Informatik]{faculty}%
364 \CreatePolylingual[
365
    english=at the TU Wien,
    naustrian=der Technischen Universit\"at Wien]{university}%
367 \CreatePolylingual[
     english=Assistance,
368
     naustrian=Mitwirkung]{Assistance}%
369
370 \CreatePolylingual[
    english=The dissertation has been reviewed by:,
371
     naustrian=Diese Dissertation haben begutachtet:]{Reviewed}%
373 \CreatePolylingual[
374 english=External reviewers:]{Reviewers}%
375 \CreatePolylingual[
376 english=Vienna,
    naustrian=Wien]{Place}%
378 \CreatePolylingual[
     english=Declaration of Authorship,
     naustrian=Erkl\"arung zur Verfassung der Arbeit]{StatementChapter}%
381 \CreatePolylingual[
    english={I hereby declare that I have written this Doctoral Thesis
382
       independently, that I have completely specified the utilized
383
       sources and resources and that I have definitely marked all parts
384
       of the work - including tables, maps and figures - which belong
385
386
       to other works or to the internet, literally or extracted, by
```

```
387
       referencing the source as borrowed. },
     naustrian={Hiermit erkl\"are ich, dass ich diese Arbeit
388
       selbst\"andig verfasst habe, dass ich die verwendeten Quellen
389
       und Hilfsmittel vollst\"andig angegeben habe und dass ich die
390
391
       Stellen der Arbeit -- einschlie{\ss}lich Tabellen, Karten und
       Abbildungen --, die anderen Werken oder dem Internet im Wortlaut
392
393
       oder dem Sinn nach entnommen sind, auf jeden Fall unter Angabe
394
       der Quelle als Entlehnung kenntlich gemacht habe.}]{Statement}%
```

Degree titles.

```
395 \CreatePolylingual[
     english=Bachelor of Science,
     naustrian=Bachelor of Science]{Bdeg}%
398 \CreatePolylingual[
     english=Master of Science,
    naustrian=Master of Science]{MdegMaster}%
401 \CreatePolylingual[
402
     english=Diplom-Ingenieur,
     naustrian=Diplom-Ingenieur]{MdegDiplMale}%
404 \CreatePolylingual[
     english=Diplom-Ingenieurin,
405
406
     naustrian=Diplom-Ingenieurin]{MdegDiplFemale}%
407 \CreatePolylingual[
     english=Magister der Naturwissenschaften,
     naustrian=Magister der Naturwissenschaften]{MdegRerNatMale}%
410 \CreatePolylingual[
     english=Magistra der Naturwissenschaften,
    naustrian=Magistra der Naturwissenschaften]{MdegRerNatFemale}%
412
413 \CreatePolylingual[
     english=Magister der Sozial- und Wirtschaftswissenschaften,
414
     naustrian=Magister der Sozial- und Wirtschaftswissenschaften] {%
415
     MdegRerSocOecMale}%
417 \CreatePolylingual[
     english=Magistra der Sozial- und Wirtschaftswissenschaften,
418
419
     naustrian=Magistra der Sozial- und Wirtschaftswissenschaften]{%
420
     MdegRerSocOecFemale}%
421 \CreatePolylingual[
     english=Doktor der Naturwissenschaften,
     naustrian=Doktor der Naturwissenschaften]{DdegRerNatMale}%
424 \CreatePolylingual[
     english=Doktorin der Naturwissenschaften,
425
    naustrian=Doktorin der Naturwissenschaften]{DdegRerNatFemale}%
427 \CreatePolylingual[
     english=Doktor der Technischen Wissenschaften,
428
     naustrian=Doktor der Technischen Wissenschaften]{DdegTechnMale}%
429
430 \CreatePolylingual[
     english=Doktorin der Technischen Wissenschaften,
     naustrian=Doktorin der Technischen Wissenschaften]{DdegTechnFemale}%
433 \CreatePolylingual[
```

```
naustrian=Doktor der Sozial- und Wirtschaftswissenschaften]{%
                435
                     DdegRerSocOecMale}%
                436
                437 \CreatePolylingual[
                     english=Doktorin der Sozial- und Wirtschaftswissenschaften,
                     naustrian=Doktorin der Sozial- und Wirtschaftswissenschaften]{%
                440 DdegRerSocOecFemale}%
                441 \CreatePolylingual[
                442 english=Doctor of Technical Sciences]{%
                443 Pdeg}%
                Thesis types.
                444 \CreatePolylingual[
                445 english=BACHELOR'S THESIS,
                446 naustrian=BACHELORARBEIT] {BACHELORTHESIS}%
                447 \CreatePolylingual[
                448 english=MASTER'S THESIS,
                449 naustrian=MASTERARBEIT] {MASTERTHESIS}%
                450 \CreatePolylingual[
                451 english=DIPLOMA THESIS,
                452 naustrian=DIPLOMARBEIT]{DIPLOMATHESIS}%
                453 \CreatePolylingual[
                454 english=DISSERTATION,
                455 naustrian=DISSERTATION]{DOCTORTHESIS}%
                456 \CreatePolylingual[
                457 english=PhD THESIS]{PHDTHESIS}%
     \settitle Sets the title of the thesis.
                458 \mbox{ } \mbox{newcommand{\settitle}[2]{\%}
                459 \CreatePolylingual[english=#1,naustrian=#2]{Title}%
                460 }%
  \setsubtitle Sets the subtitle of the thesis.
                461 \newcommand{\setsubtitle}[2]{%
                462 \CreatePolylingual[english=#1,naustrian=#2]{Subtitle}%
                463 }%
\setcurriculum Sets the curriculum name.
                464 \newcommand{\setcurriculum}[2]{%
                465 \CreatePolylingual[english=#1,naustrian=#2]{Curriculum}%
                466 }%
```

english=Doktor der Sozial- und Wirtschaftswissenschaften,

5.3 Layout

5.3.1 Setup

```
Set internal convenience macros.
    \thesisLaTeX@squarebullet
                                467 \newcommand{\newsetlength}[2]{%
                                    \newlength{#1}%
                                    \setlength{#1}{#2}%
                                469
                                470 }%
                                471 \newcommand{\thesisLaTeX@squarebullet}{\rule[0.47ex]{0.4ex}{0.4ex}}%
   \thesisLaTeX@tmp@parindent
                                Temporary storage for page layout lengths.
\thesisLaTeX@tmp@baselineskip
                                472 \newlength{\thesisLaTeX@tmp@parindent}%
     \thesisLaTeX@tmp@parskip
                                473 \newlength{\thesisLaTeX@tmp@baselineskip}%
                                474 \newlength{\thesisLaTeX@tmp@parskip}%
                                Saves and restores relevant page layout lengths.
      \thesisLaTeX@savelayout
   \thesisLaTeX@restorelayout
                                475 \newcommand{\thesisLaTeX@savelayout}{%
                                     \setlength{\thesisLaTeX@tmp@parindent}{\parindent}%
                                477
                                     \setlength{\thesisLaTeX@tmp@baselineskip}{\baselineskip}%
                                478
                                     \setlength{\thesisLaTeX@tmp@parskip}{\parskip}%
                                479 }%
                                480 \newcommand{\thesisLaTeX@restorelayout}{%
                                     \setlength{\parindent}{\thesisLaTeX@tmp@parindent}%
                                     \setlength{\baselineskip}{\thesisLaTeX@tmp@baselineskip}%
                                     \setlength{\parskip}{\thesisLaTeX@tmp@parskip}%
```

5.3.2 Title Page

483 484 }%

Initialize the header graphics. The vertical placement of the header graphics on the title pages are given by \thesisLaTeX@header@placement, while the composition of the graphical elements are determined by the subsequent lengths, which constitute direct measurements of the graphics. If the header graphics are changed, these values have to be adapted.

```
485 \newsetlength{\thesisLaTeX@header@placement}{-41.49731pt}%
486 \newsetlength{\thesisLaTeX@bar@width}{511bp}%
487 \newsetlength{\thesisLaTeX@bar@height}{47bp}%
488 \newsetlength{\thesisLaTeX@bar@pivot@x}{330.71bp}%
489 \newsetlength{\thesisLaTeX@bar@pivot@y}{25.31bp}%
490 \newsetlength{\thesisLaTeX@bar@pivot@y}{4.57bp}%
491 \newsetlength{\thesisLaTeX@logo@pivot@x}{4.57bp}%
492 \newsetlength{\thesisLaTeX@logo@pivot@y}{5.37bp}%
493 \newsetlength{\thesisLaTeX@logo@ffset@height}{\thesisLaTeX@logo@height}
```

```
495 \ensuremath{\thesisLaTeX@logo@offset@x}{-\thesisLaTeX@bar@width} \ensuremath{\thesisLaTeX@bar@width} \ensuremath{\thesisLaTeX@bar@wi
                                                                                + \thesisLaTeX@bar@pivot@x - \thesisLaTeX@logo@pivot@x}%
                                                                       497 \verb|\newsetlength{\thesisLaTeX@logo@offset@y}{|} \\
                                                                       498 - \thesisLaTeX@bar@pivot@y + \thesisLaTeX@logo@pivot@y}%
   \thesisLaTeX@header@titlepage
                                                                       Initialize header.
                                                                       499 \newcommand{\thesisLaTeX@header@titlepage}{%
                                                                       500
                                                                                  \centering
                                                                                  \begin{minipage}[b][\thesisLaTeX@logo@offset@height][t]{%
                                                                       501
                                                                                           \thesisLaTeX@bar@width
                                                                       502
                                                                       503
                                                                                       \includegraphics{TU_INF_header}%
                                                                       504
                                                                                       \hspace*{\thesisLaTeX@logo@offset@x}%
                                                                       505
                                                                                       \raisebox{\thesisLaTeX@logo@offset@y}{%
                                                                       506
                                                                                           \includegraphics[scale=1]{TU_INF_Logo_gray}%
                                                                       507
                                                                       508
                                                                                      }%
                                                                                  \end{minipage}%
                                                                       509
                                                                       510 }%
                                                                       Initialize footer.
   \thesisLaTeX@footer@titlepage
                                                                       511 \newcommand{\thesisLaTeX@footer@titlepage}{%
                                                                       512
                                                                                  \centering
                                                                                  \begin{minipage}{\textwidth}%
                                                                       513
                                                                                       \centering\thesisLaTeX@normalsize\sffamily
                                                                       514
                                                                                      Technische Universit\"{a}t Wien\\
                                                                       515
                                                                                      A-1040 Wien \thesisLaTeX@squarebullet\space
                                                                       516
                                                                                      Karlsplatz 13 \thesisLaTeX@squarebullet\space
                                                                       517
                                                                                      Tel. +43-1-58801-0 \thesisLaTeX@squarebullet\space
                                                                       519
                                                                                      www.tuwien.ac.at%
                                                                       520
                                                                                \end{minipage}%
                                                                       521 }%
                                                                       Generate the title page style.
thesisLaTeX@pagestyle@titlepage
                                                                       522 \makepagestyle{thesisLaTeX@pagestyle@titlepage}%
                                                                       523 \verb|\makerunningwidth{thesisLaTeX@pagestyle@titlepage}[\textwidth]{\%} \\
                                                                                  \thesisLaTeX@bar@width}%
                                                                       525 \verb|\makeheadposition{thesisLaTeX@pagestyle@titlepage}{\%} \\
                                                                                  center}{center}{center}%
                                                                       527 \makeevenhead{thesisLaTeX@pagestyle@titlepage}{}{%
                                                                                  \thesisLaTeX@header@titlepage}{}%
                                                                       529 \makeoddhead{thesisLaTeX@pagestyle@titlepage}{}{%
                                                                                  \thesisLaTeX@header@titlepage}{}%
                                                                       531 \makefootrule{thesisLaTeX@pagestyle@titlepage}{%
                                                                                  \thesisLaTeX@pagestyle@titlepagefootrunwidth}{0.5pt}{\footruleskip}%
                                                                       533 \makeevenfoot{thesisLaTeX@pagestyle@titlepage}{}{%
                                                                                 \thesisLaTeX@footer@titlepage}{}%
```

+ \thesisLaTeX@bar@pivot@y - \thesisLaTeX@logo@pivot@y}%

Set style element specifications.

537 \newsetlength{\thesisLaTeX@bigskipamount}{6mm}%

Helper functions.

538 \newcommand{\thesisLaTeX@bigskip}{\vspace{\thesisLaTeX@bigskipamount}}%

\AdvisorBlock

Generates a block with the advisor's name (and potential assistances' names). An error is thrown, if the advisors are not defined consecutively, starting with the first

```
539 \newcommand{\AdvisorBlock}{%
     \ifundergraduate{%
       \begin{minipage}[t][2.5cm][t]{\textwidth}%
541
         \thesisLaTeX@normalsize
542
         \begin{tabular}{0{}10{} }1}%
543
           \thesisLaTeX@polylingual@Advisor: &
544
           \thesisLaTeX@person@advisor@fullname\\
545
546
           \ifdef{\thesisLaTeX@person@firstassistant@def}{%
547
             \thesisLaTeX@polylingual@Assistance: &
             \thesisLaTeX@person@firstassistant@fullname\\
548
           }{}%
549
           \ifdef{\thesisLaTeX@person@secondassistant@def}{%
550
             551
               \thesisLaTeX@person@firstassistant@error
552
            }{%
553
               & \thesisLaTeX@person@secondassistant@fullname\\
554
            }%
555
           }{}%
556
           \ifdef{\thesisLaTeX@person@thirdassistant@def}{%
557
             \ifundef{\thesisLaTeX@person@firstassistant@def}{%
558
               \thesisLaTeX@person@firstassistant@error
559
560
            }{%
               \ifundef{\thesisLaTeX@person@secondassistant@def}{%
561
                 \thesisLaTeX@person@secondassistant@error
562
               }{%
563
                 & \thesisLaTeX@person@thirdassistant@fullname\\
564
              }%
565
566
            }%
         }{}%
567
         \end{tabular}%
568
       \end{minipage}%
569
    }%
570
     \ifgraduate{%
571
572
       \begin{minipage}[t][1.6cm][t]{\textwidth}%
573
         \thesisLaTeX@normalsize
```

```
\thesisLaTeX@polylingual@Advisor:
574
         \thesisLaTeX@person@advisor@fullname
575
         \ifphd{%
576
            \ifdef{\thesisLaTeX@person@secondadvisor@def}{%
577
578
             11
579
              \thesisLaTeX@polylingual@Secondadvisor:
580
              \thesisLaTeX@person@secondadvisor@fullname
581
           }{}%
         }%
582
       \end{minipage}\par%
583
     }%
584
585 }%
```

\thesisLaTeX@signature@height
\thesisLaTeX@signature@width
\thesisLaTeX@placedate@width

Set lengths of the signature blocks.

```
586 \newsetlength{\thesisLaTeX@signature@height}{25mm}%
587 \newsetlength{\thesisLaTeX@signature@width}{51mm}%
588 \newsetlength{\thesisLaTeX@placedate@width}{50mm}%
```

\SignatureFields

Generates a block with signatures and an optional place-date entry. The first argument is optional and adds an entry with date and place [y], or adds corresponding whitespace [h] or adds nothing [n], which is also the default value. The second arguments adds a rule and the given text below it, if a text is given, or the corresponding whitespace, if not. The third argument adds a rule and the given text below it, if a text is given.

```
589 \newcommand{\SignatureFields}[3][n]{%
     {\thesisLaTeX@normalsize
       \left\{ \frac{41}{y}\right\} 
591
592
          \begin{minipage}[b][\thesisLaTeX@signature@height]{%
593
              \thesisLaTeX@placedate@width
594
            \thesisLaTeX@polylingual@Place,
595
            \displaydate{thesisLaTeX@date@signing}\vspace*{\baselineskip}%
596
          \end{minipage}%
597
          \hfill
598
       }{}%
599
       \left\{ 1\right\} 
600
       \left\{ f_{1}^{+1}\right\} 
601
          \hspace*{\thesisLaTeX@placedate@width}%
602
603
         \hfill
604
       }{}%
605
       \ifstrempty{#2}{%
606
          \hspace*{\thesisLaTeX@signature@width}%
         \hfill
607
608
          \begin{minipage}[b][\thesisLaTeX@signature@height]{%
609
610
              \thesisLaTeX@signature@width
611
```

```
612
                              \centering
                              \rule{\thesisLaTeX@signature@width}{0.5pt}\\
                  613
                  614
                            \end{minipage}%
                  615
                            \hfill
                  616
                  617
                         }%
                  618
                          \left\{ \frac{43}{3} \right\}
                            \begin{minipage}[b][\thesisLaTeX@signature@height]{%
                  619
                  620
                                \thesisLaTeX@signature@width
                              }%
                  621
                              \centering
                  622
                              \rule{\thesisLaTeX@signature@width}{0.5pt}\\
                  623
                  624
                  625
                            \end{minipage}%
                  626
                         }%
                       }%
                  627
                  628 }%
                 Generates a block with the relevant signatures.
\ReviewerBlock
                  629 \newcommand{\ReviewerBlock}{%
                       \ifgraduate{%
                  630
                  631
                          \ifdoctor{%
                            {\thesisLaTeX@normalsize
                  632
                              \thesisLaTeX@polylingual@Reviewed\\
                  633
                              \SignatureFields[h]{%
                  634
                                \thesisLaTeX@person@firstreviewer@name
                  635
                              }{%
                  636
                                \thesisLaTeX@person@secondreviewer@name
                  637
                              }%
                  638
                           }%
                  639
                         }%
                  640
                  641
                          \ifphd{%
                            {\thesisLaTeX@normalsize
                  642
                              \thesisLaTeX@polylingual@Reviewers\\
                  643
                              \thesisLaTeX@person@firstreviewer@name.
                  644
                              \thesisLaTeX@data@firstreviewerdata.\\
                  645
                  646
                              \thesisLaTeX@person@secondreviewer@name.
                  647
                              \thesisLaTeX@data@secondreviewerdata.\\
                           }%
                  648
                         }%
                  649
                  650
                       }%
                  651 }%
\SignatureBlock Generates a block with the relevant signatures.
                  652 \verb|\newcommand{\SignatureBlock}{\%}
                  653
                       \ifundergraduate{%
                          {\thesisLaTeX@normalsize
                  654
```

\SignatureFields[y]{%

655

```
\thesisLaTeX@person@author@name
656
657
          }{%
            \thesisLaTeX@person@advisor@name
658
         }%
659
       }%
660
661
     }%
662
     \ifgraduate{%
       {\thesisLaTeX@normalsize
663
          \ifdoctor{%
664
            \SignatureFields[y]{}{%
665
              \thesisLaTeX@person@author@name
666
            }%
667
          }%
668
          \ifphd{%
669
            \SignatureFields[y]{%
670
              \thesisLaTeX@person@author@name
671
672
              \thesisLaTeX@person@advisor@name
673
674
            }%
675
          }%
       }%
676
    }%
677
678 }%
```

\AddTitlePage

Generates the language-dependant title page. Multiline title and subtitle are supported.

```
679 \newcommand{\AddTitlePage}{
680 \thispagestyle{thesisLaTeX@pagestyle@titlepage}%
```

Set a new page geometry where the header separation length (headsep) places the header. The actual header height (head) has to be large enough to contain the header content otherwise the underlying memoir class issues a warning.

```
681 \newgeometry{%
682 left=2.4cm,right=2.4cm,bottom=2.5cm,top=2cm,
683 headsep=\thesisLaTeX@header@placement,
684 head=2\thesisLaTeX@logo@offset@height
685 }%
```

Save the current page layout lengths for later restoration.

```
686 \thesisLaTeX@savelayout
687 \setlength{\parindent}{0pt}%
688 \setlength{\baselineskip}{13.6pt}%
689 \setlength{\parskip}{0pt plus 1pt}%
```

Set title page text to helvetica.

690 \begin{SFFont}{phv}%

```
691 \sffamily
692 {\centering
693 \vspace*{1.2cm}\par
```

Title and subtitle are bottom aligned and grow upwards.

```
\begin{minipage}[t][5cm][b]{\textwidth}%
694
695
                          \centering
                          \thesisLaTeX@HUGE{\bfseries\thesisLaTeX@polylingual@Title}\\
696
                          \bigskip
697
                          \thesisLaTeX@huge{\bfseries
698
                               \ifdef{\thesisLaTeX@polylingual@Subtitle}{%
699
700
                                   \thesisLaTeX@polylingual@Subtitle}{%
                              }%
701
                         }%
702
                     \end{minipage}\par
703
                     \thesisLaTeX@bigskip\thesisLaTeX@bigskip
704
                     {\tt \{\thesisLaTeX@LARGE\thesisLaTeX@polylingual@thesisname\}\parrule} \\
705
706
                     \thesisLaTeX@bigskip
707
                     {\thesisLaTeX@large\thesisLaTeX@polylingual@submission}\par
                     \thesisLaTeX@bigskip
708
709
                     \ifundergraduate{%
                          {\thesisLaTeX@LARGE{\bfseries\thesisLaTeX@polylingual@degreename}}\par
710
                          \thesisLaTeX@bigskip
711
712
                          {\thesisLaTeX@large\thesisLaTeX@polylingual@in}\par
713
                          \thesisLaTeX@bigskip
                          {\thesisLaTeX@Large{\bfseries\thesisLaTeX@polylingual@Curriculum}}\par
714
                     }%
715
                     \ifgraduate{%
716
                          {\thesisLaTeX@LARGE{\bfseries\thesisLaTeX@polylingual@degreename}}\par
717
                          \ifphd{%
718
                               \thesisLaTeX@bigskip
719
720
                               {\thesisLaTeX@large\thesisLaTeX@polylingual@within}\par
                               \thesisLaTeX@bigskip
721
722
                               {\thesisLaTeX@LARGE{\bfseries\thesisLaTeX@polylingual@School}}\par
723
                         }%
                     }%
724
725
                     \thesisLaTeX@bigskip
                     {\thesisLaTeX@large\thesisLaTeX@polylingual@by}\par
726
727
                     \thesisLaTeX@bigskip
                     {\thesisLaTeX@Large{\bfseries\thesisLaTeX@person@author@fullname}}\par
728
                     \smallskip
729
                     {\tt \{\thesisLaTeX@large\thesisLaTeX@polylingual@Registrationnumber\thesisLaTeX@large\thesisLaTeX@polylingual@Registrationnumber\thesisLaTeX@large\thesisLaTeX@polylingual@Registrationnumber\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@polylingual@Registrationnumber\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@large\thesisLaTeX@l
730
                     \thesisLaTeX@data@regnumber}\par
731
732
                 \thesisLaTeX@bigskip\thesisLaTeX@bigskip
733
                 \ifgraduate{\ifphd{\vspace*{-8mm}}}%
734
735
                 \begin{minipage}[b][1.6cm][c]{\textwidth}%
736
                     \thesisLaTeX@normalsize%
                     \thesisLaTeX@polylingual@faculty\par
737
```

```
738 \thesisLaTeX@polylingual@university
739 \end{minipage}\par
740 \AdvisorBlock\par
```

Add stretchable glue between the advisor block and the signatures. This ensures that the signature part is always at the bottom of the page.

```
741
       \vfill
       \ReviewerBlock\par
742
       \SignatureBlock\par
743
       \vspace*{1cm}%
744
745
     \end{SFFont}%
746
     \pagestyle{empty}%
     \cleardoublepage
747
     \thesisLaTeX@restorelayout
748
     \restoregeometry
749
750 }%
```

5.3.3 Front Matter Material

\AddStatementPage Generates the statement page.

751 \newcommand{\AddStatementPage}{

Set the same page geometry as for the titlepages.

```
752 %^A \newgeometry{%
753 %^A left=2.4cm,right=2.4cm,bottom=2.5cm,top=2cm,
754 %^A headsep=\thesisLaTeX@header@placement,
755 %^A head=2\thesisLaTeX@logo@offset@height
756 %^A }%
```

Save the current page layout lengths for later restoration.

```
\thesisLaTeX@savelayout
757
758
    \setlength{\parindent}{0pt}%
    \setlength{\baselineskip}{13.6pt}%
    \setlength{\parskip}{Opt plus 1pt}%
760
    \begin{SFFont}{phv}%
761
      \sffamily
762
763
        \chapter*{\thesisLaTeX@polylingual@StatementChapter}%
        \thesisLaTeX@person@author@fullname\\
764
        \thesisLaTeX@data@address\par
765
        \vspace{1.2cm}%
766
        {\normalfont\thesisLaTeX@polylingual@Statement}\par
767
768
        \vspace{1.2cm}%
769
        \end{SFFont}%
770
771
    \cleardoublepage
    \thesisLaTeX@restorelayout
```

```
773 %^^A \restoregeometry
                   774 }%
    \addtitlepage
                   Generates the titlepage in given language.
                   775 \newcommand{\addtitlepage}[1]{%
                   776 \selectlanguage{#1}%
                        \AddTitlePage
                   777
                   778 }%
\addstatementpage
                   Generates the statement page.
                   779 \newcommand{\addstatementpage}{%
                        \selectlanguage{naustrian}%
                   781
                        \ifundergraduate{\AddStatementPage}%
                         \ifgraduate{%
                   782
                           \ifdoctor{\AddStatementPage}%
                   783
                           \ifphd{%
                   784
                             \selectlanguage{english}%
                   785
                             \AddStatementPage
                   786
                          }%
                   787
                        }%
                   788
                   789 }%
                   Generates the English acknowledgement section.
 acknowledgements
                   790 \newenvironment{acknowledgements}{%
                       \selectlanguage{english}%
                   792 \chapter{Acknowledgements}%
                   793 }{%
                   794 \cleardoublepage
                   795 }%
\verb"acknowledgements"*
                   Generates the English acknowledgement section without an entry in the table of
                   contents.
                   796 \newenvironment{acknowledgements*}{%
                        \selectlanguage{english}%
                   797
                        \chapter*{Acknowledgements}%
                   798
                   799 }{%
                   800 \cleardoublepage
                   801 }%
       danksagung
                   Generates the German acknowledgement section.
                   802 \newenvironment{danksagung}{%
                   803 \selectlanguage{naustrian}%
                   804 \chapter{Danksagung}%
                   805 }{%
```

```
806 \cleardoublepage
              807 }%
              Generates the German acknowledgement section without an entry in the table of
 danksagung*
              808 \newenvironment{danksagung*}{%
                   \selectlanguage{naustrian}%
                   \chapter*{Danksagung}%
              811 }{%
              812 \cleardoublepage
              813 }%
    abstract Generates the English abstract.
              814 \renewenvironment{abstract}{%
              815
                   \selectlanguage{english}%
              816
                   \chapter{Abstract}%
              817 }{%
                  \cleardoublepage
              818
              819 }%
   abstract*
              Generates the English abstract without an entry in the table of contents.
              820 \newenvironment{abstract*}{%
                   \selectlanguage{english}%
                   \chapter*{Abstract}%
              822
              823 }{%
              824 \cleardoublepage
              825 }%
              Generates the German abstract without an entry in the table of contents.
 kurzfassung
              826 \newenvironment{kurzfassung}{%
                   \selectlanguage{naustrian}%
              828
                   \chapter{Kurzfassung}%
              829 }{%
              830 \cleardoublepage
              831 }%
              Generates the German abstract.
kurzfassung*
              832 \newenvironment{kurzfassung*}{%
                   \selectlanguage{naustrian}%
                   \chapter*{Kurzfassung}%
              835 }{%
              836 \cleardoublepage
              837 }%
```

5.3.4 Page Style

6 Change History

0.9	$#4 \dots 33$
General: Pre-release version \dots 1	\ifdoctor: Added to support
1.0	multiple dissertation types.
General: Initial release version 1	Issue #4 17
1.1	\ifphd: Added to support multiple
General: Added references to the	dissertation types. Issue #4 17
GitLab environment 1	\setthesis: Altered to support
1.3	multiple dissertation types.
\AddStatementPage: Updated to	Issue #4
support multiple languages.	\thesisLaTeX@thesis@doctortype:
Issue #4 32	Added to support multiple
\AddTitlePage: Added check for	dissertation types. Issue $\#4$ 18
subtitle existance before usage.	\thesisLaTeX@thesis@doctortype@doctor
Issue #1 30	Added to support multiple
Updated to support PhD School	dissertation types. Issue $#4$ 17
mentioning and fixed the	\thesisLaTeX@thesis@doctortype@phd:
associated vertical overflow.	Added to support multiple
Issue #4 30	dissertation types. Issue $#4$ 17
\AdvisorBlock: Updated to	\t thesisLaTeX@thesis@phd: $Added$
support second advisor. Issue	to support multiple
$#4 \dots 27$	dissertation types. Issue $\#4$ 18
\ReviewerBlock: Updated to	General: Added support for a
support external reviewers.	dissertation at the Vienna Phd
Issue #4 29	School of Informatics. Issue #4 1
\SignatureBlock: Updated to	Persons: Updated to support
support multiple dissertation	second advisor. Issue Issue #4 21
types. Issue #4 29	PolyLinguals: Added to support
\addstatementpage: Updated to	multiple dissertation types.
support english version. Issue	Issue #4
	**

Textual Data: Updated to support external reviewer data. Issue	mainmatter pagestyle to 'Ruled'
#4 21	v1.5
v1.4 \mainmatter: Added 'Ruled' pagestyle	General: Updated name of university to 'TU Wien' 1 PolyLinguals: Updated name of university to 'TU Wien' 22 v2.01 General: Pre-release version Max . 1
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\@setdegreename	
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\mathbf{C}	
$\$ ClassError 5	
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\Persons														329
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, ,														
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	~													
\	\mathbf{S}													0
\setaddress														
\setadvisor														• •
\setauthor														
\setcurriculum														
\setdate														_
\setdoctordegree														
\setfaculty														,
\setfirstassistant														
\setfirstreviewer														
\setfirstreviewerdata														
\setinstitut														,
\setlogo														
\setmasterdegree														
\setregnumber														
\setsecondadvisor														
$\strut \$														
\setsecondreviewer														
\setsecondreviewerdata														
\setsubtitle														
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\Textual⊔Data														
\thepage														
\thesisLaTeX@allocate@	_	-	_											
\thesisLaTeX@bar@heigh														
\thesisLaTeX@bar@pivot														
\thesisLaTeX@bar@pivot													,	
\thesisLaTeX@bar@width														
\thesisLaTeX@bigskip														
\thesisLaTeX@bigskipar														
\thesisLaTeX@data@addi	res	s.												765

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\thesisLaTeX@def@data@invalid	. <u>50</u> , 60
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\thesisLaTeX@f@family@tmp3	36, 39, 41
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